

INDIAN ACADEMY OF SCIENCES



**YEAR BOOK
2013**

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MEMORANDUM OF ASSOCIATION*

I. The name of the Association shall be 'The Indian Academy of Sciences'.

II. The objects of the Academy are:

1. To promote the progress and uphold the cause of science, both in pure and applied branches.

2. To co-operate with the existing Provincial Academies having similar objects, and with others when founded.

3. To encourage and publish important researches in the branches of science comprehended by the Academy and to represent internationally the scientific work of India.

4. To undertake, control and direct scientific enterprises of all-India significance and to participate in similar international activities.

5. To collect, sort out and disseminate information concerning the industrial, economic and labour problems relating to India and other progressive countries.

6. To publish books, memoirs, journals, proceedings and transactions relating to scientific researches in pure and applied branches initiated by the Academy and those conducted under the direction of Provincial Academies, the Universities and Government Scientific Institutions.

7. To organise and arrange for the meetings of the Congresses, Committees and Conferences for reading and discussing papers submitted to the Academy, advising Government and other bodies on scientific and other matters referred to the Academy and to co-operate with the National Research Council when instituted.

8. To secure and administer funds, grants and endowments for the furtherance of scientific research.

**Registered on 27 April 1934 under the Societies Registration Act, 1860.*

9. To undertake and execute all other acts which shall assist in and promote the usefulness, aims and purposes of the Academy.

III. The Academy shall not make any profit nor award bonus to any of its members but may pay remuneration to the members of its permanent staff. In addition, it may make awards of prizes and research grants to individuals and organisations for the advancement of scientific knowledge.

IV. Fellows of Academy are entitled to use the letter 'FASc' after their names as the recognized abbreviation indicative of their fellowship.

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ROLE OF THE ACADEMY*

Science has emerged today as the most revolutionary co-operative activity of mankind. In the scientific method lies a validity and universality which transcends any other principle devised by man. Science seeks and discovers, cutting across sectarian, national and ideological frontiers. It fosters co-operation and generates a value system which nurtures man's highest capabilities and aspirations.

The Indian Academy of Sciences, founded in 1934 by Professor C.V. Raman, Nobel Laureate, endeavours by all means at its disposal to promote the progress and uphold the cause of science, both in pure and applied branches. The Academy has laid the responsibility on all its Fellows, individually and collectively, of promoting original research and of disseminating scientific knowledge to the community, through its activities of organizing meetings, discussions, seminars, symposia and publications. The Academy recognizes the special relationship of scientific creative activity with the process of education and holds that the course of discovery includes the identification and nurturing of scientific talent amongst the young. Aware of the fundamental contributions science and technology can and must make to national regeneration, the Academy upholds that the principle of social responsibility for all scientific effort, individual or corporate, is entirely consistent with individual freedom and that the quest for knowledge and truth cannot be reconciled with any dogma.

In order to meet the needs of the times, the Council of the Academy has carefully considered the steps to be taken to further the objects of the Academy. Taking cognizance of the enormous and continuing increase in scientific knowledge and the application of this knowledge virtually to every sphere of human activity, and considering the growth of scientific activity within India and the numbers of scientific institutions and scientists working in various fields, the Council has, as a first step, expanded the Fellowship, in order to have within the Academy a fuller representation of the Indian scientific community in

*Prepared in 1975 by a committee appointed by the President and approved by the President in Council.

its corporate body so that the objectives and obligations of the Academy could be more effectively fulfilled. The other steps proposed are aimed at:

- (a) ensuring that there is full representation in the Academy of all branches of science, fundamental and applied;
- (b) placing special emphasis on bringing into the fold of the Academy, through election to the Fellowship, outstanding young scientists;
- (c) promoting high quality journals in order to provide publication opportunities to Indian scientists at the international level;
- (d) conducting symposia and seminars and encouraging other similar activities in order to provide means of exchange of scientific knowledge among scientists and to bring new knowledge to the attention of the whole scientific community;
- (e) recognizing further, and honouring excellence in various areas of science by the institution of special awards (in the form of medals, lectureships, etc.);
- (f) giving special encouragement to young scientists by the award of scholarships and fellowships to enable them to pursue their particular interests;
- (g) promoting international understanding in science through the institution of special chairs and professorships, which will allow scientists from abroad to visit India for specific periods and provide means for travel for Indian scientists to visit other countries;
- (h) taking up integrated studies in specific fields where co-ordinated scientific activities tend to be neglected.

The Academy affirms that the rightful place for science and the men who rigorously cultivate it can be assured in society primarily through their devotion to the principles of objectivity, integrity and freedom from dogmas rather than through any formal processes of recognition. Not unmindful of the crucial role the Academy can play in national regeneration, the Academy adheres to the belief that this ideal would be best served by preserving the independence of the Academy from all official, State or Organization-related channels.

In a situation where almost every facet of life needs to be revitalized retaining a clear perspective for the nurturing of the scientific temper is of the utmost importance. In a country beset with prejudices, rules and bureaucratic formalisms, it is of the greatest value that working scientists, specially Fellows of the Academy, promote by personal as well as collective example, the principle of rational thought of function and relevance, rather than precedents. By applying rigorous standards of scientific criticism at all levels in a constructive sense, the Academy considers that the scientific community has a unique contribution to make not only to the flowering of science in India but also to national character.

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STATUTES*

I. MEMBERSHIP

1. The Academy shall consist of Fellows and Honorary Fellows. A record shall be maintained in the Office of the Academy of their names, the dates of their election, and their signatures in token of formal admission to the Academy.

Fellows

2. The Council shall from time to time regulate the size of the Fellowship keeping the General Body informed of any changes, and not more than 35 Fellows shall normally be elected each year.

Honorary Fellows

3. Honorary Fellows are persons who have been elected as such by the Academy by reason of their distinguished contributions to science.

4. There shall be not more than sixty Honorary Fellows at any time and not more than three shall be elected in any one year. Scientists of all nations are eligible for election as Honorary Fellows.

II. FINANCES AND RESOURCES

Fees

5. Every Fellow shall, on admission, pay an admission fee of Rs 100 and an annual fee of Rs 48.

6. The working year of the Academy shall begin on the 1st day of April, but the annual fee shall become due on the 1st day of the calendar year and shall be paid on or before the 31st day of March of the year. New Fellows shall pay the annual fee for the year in which they are admitted to the Fellowship, within three months of the date of their admission. Only Fellows who have paid their dues within the prescribed period will be considered as in good standing.

7. Any Fellow of the Academy, who is also a Fellow of such other Academies as may be recognized for this purpose from time to time, shall be entitled to a rebate of 25% in the annual fee payable to the Academy.

*Approved in revised form by the Fellowship in 1976.

For the purpose of this rule only those Academies will be recognized that will allow a similar rebate in the membership fees to be paid to them by such of their Fellows as are also Fellows of the Indian Academy of Sciences.

Life Composition

8. All those who are or may become Fellows of the Academy and who have paid the entrance fee may at any time compound their liability for payment of the annual fee in accordance with the following rules:

- (a) by payment of Rs 600 in a single sum or by instalments spread over a period not exceeding twelve months.
- (b) by payment of the compounding fee stipulated in clause (a) supra, less Rs 20 for each annual fee he may have already paid, provided, however, that the compounding fee shall not be reduced below Rs 20 in any case.

Fellows who have paid life composition before the revised Statutes came into force in May 1977 will continue to enjoy all privileges without any further payment.

Subventions

9. The Academy may accept annual grants from the Central and State Governments, Corporate Bodies, Industrial and Commercial Organizations, Universities and other Bodies.

Donations

10. The Academy may accept donations from Central and State Governments, Corporate Bodies, Industrial Organizations, Universities and individuals interested in promoting scientific advancement.

Subscriptions

11. Subscriptions or proceeds realized from the sale of the Academy's publications shall form a source of revenue.

III. LOCATION

12. The Office of the Academy shall be located at its premises in Bangalore.

IV. MANAGEMENT OF AFFAIRS

13. The affairs and property of the Academy shall be administered by a Council of 20, consisting of the President, four Vice-Presidents, a Treasurer, two Secretaries, and twelve other members. The Council shall be elected by the Fellows triennially.

V. ELECTIONS

14. Election to the Fellowship, to the Honorary Fellowship and to the Council of the Academy shall be by electronic or postal ballot, the procedure for such ballot being as stated below. The Council may, however, in its discretion make such changes in it and in the calendar of dates, as it deems fit from time to time. No procedural irregularity not affecting the merits shall vitiate any election or proceedings.

Fellows

15. Nomination papers for the Fellowship shall be received at the Office of the Academy by the 31st day of May of each year.

16. Every candidate for Fellowship shall be proposed and recommended by two Fellows in good standing, one of whom shall undertake the responsibility of acting as proposer and the other one as seconder respectively, in so far that all communications on the subject of the candidature shall take place with one of these. The proposal, which will be in the prescribed form, shall specify the name, position, qualifications and usual place of residence of the candidate. It shall also include a statement by the proposer setting out the discovery, invention or other outstanding contributions to knowledge made by the candidate. A list of the scientific publications by the candidate may also be sent as a separate statement attached to this form. The form shall bear the signatures of the proposer and seconder. It will, however, be open to any Fellow to indicate his support of the candidate by writing directly to the Office of the Academy by the 31st of May. The proposer shall be responsible for informing the candidate of the obligation to be subscribed to and of the payments to be made to the Academy on being admitted as a Fellow.

17. A consolidated list of candidates whose nomination papers are in order, as also of the candidates nominated but not elected in the two preceding years, shall be prepared by the Office of the Academy, the names being arranged in alphabetical order, and sent to the Fellows

before the second week of November, together with a brief account of the qualifications of the candidates.

18. The list of nominations shall be considered by the Council at a meeting held for the purpose and the Council shall recommend for election names of not more than 35 candidates from the list. The names recommended by the Council for election shall be sent in a balloting paper to all the Fellows, by the second week of December. Any Fellow is at liberty to delete from the balloting list any of the names recommended by the Council. He may also substitute for the names thus deleted any other names from the list of valid nominations circulated to the Fellows previously. The balloting paper shall be returned duly signed by the Fellow indicating his choice, in the addressed envelope accompanying the balloting paper, so as to reach the Office of the Academy by the 31st day of December.

19. Two Fellows of the Academy shall be appointed by the President as scrutators; they shall open the envelopes containing the balloting papers and report the results of the ballot to the President. Every person, whose name has been validly voted for in the majority of the balloting papers received by the Academy before the appointed date, will be declared by the President to have been elected.

20. Every Fellow thus elected shall be informed in a written communication of his election and the Fellow shall, within three months of receiving the communication, return the undermentioned obligation form duly signed by him, together with the admission fee and the annual fee. Failure to do so will entail the invalidation of his election. The Council shall, however, have power to condone the default and admit him to the Fellowship if he pays his admission fee and the first annual fee before the end of the calendar year in which his election was communicated to him.

Form of obligation

'I who have hereunto subscribed do hereby promise for myself that I will endeavour to promote the cause, the aims and objects of the Indian Academy of Sciences for which it is founded; that I will be present at the meetings of the Academy as often as I can, especially at the Annual General Meetings and at Emergency Meetings; and that I will observe the statutes, ethical guidelines, rules and standing orders of the said Academy.'

21. No candidate who is elected shall be regarded as a Fellow or be entitled to exercise the rights and privileges of Fellowship until he has paid his admission fee and his first annual fee, and until he has signed and returned the obligation form.

Honorary Fellows

22. Any Fellow in good standing may propose any person distinguished for his contributions to science for election as an Honorary Fellow. The proposal shall be in writing accompanied by a statement of facts supporting the proposal and it shall be received in the Office of the Academy not later than the 15th day of October.

23. These names shall be added to the list of previous proposals maintained in the Office of the Academy, provided that a nomination shall lapse at the expiry of three years from the date of nomination and the name thereof shall be deleted from the list. The list will be open for inspection by the Fellows. From this list the Council shall select and recommend not more than three persons subject to the total of 60 specified in Statute 4 for election as Honorary Fellows of the Academy in that year. A balloting paper containing the names thus selected and recommended shall be sent to all the Fellows by the second week of December. It shall be returned duly signed by the Fellow, indicating his choice, in the addressed envelope accompanying the balloting paper to the Office of the Academy by the 31st day of December. Any Fellow may, if he so desires, delete any of the recommended names from the balloting list. The rest of the voting procedures shall, as far as may, be the same as in the case of the election of Fellows.

The Council

24. During the year in which elections to the Council become due, that fact shall be notified to the Fellows by the Secretary concerned, by the 31st day of August of that year and nominations invited from them in the prescribed form. Nominations for the President and other members of the Council shall be filed not later than the 15th day of October.

25. The list of nominations shall be considered by the Council at a meeting held for the purpose. The President and the Council shall then select not more than 15 from among the existing Council members and not less than 5 Fellows who have not been members of the existing Council, and recommend them to the Fellows for election to the Council for the ensuing triennium. The President and the Council shall also in like manner select, out of the proposed Council, the persons whom

they recommend to the Fellows, for election to the offices of the President and the Vice-Presidents for the ensuing triennium. The list of candidates thus recommended by the Council shall be printed in a balloting paper and sent to all the Fellows by the second week of December.

26. The balloting paper shall be returned by the Fellows indicating their choice duly signed to the Office of the Academy, by the 31st day of December. Any Fellow may, if he so desires, delete any of the recommended names from the balloting list. The rest of the procedure laid down for the election of Fellows shall, as far as may, apply to the election of the Council.

27. Any casual vacancies that may occur in the Council during a triennium, either due to death, resignation or other causes, may be filled by the President from amongst the Fellows for the rest of the term of office.

28. If a vacancy arises in the office of the President, one of the Vice-Presidents in consultation with the other Vice-Presidents shall, as soon as possible, and in any case not later than three months of the vacancy occurring, cause the Council to be summoned for the election of a new President. The Council thereupon shall proceed to elect a new President.

29. Any vacancy occurring in the office of Vice-Presidents, Secretaries or the Treasurer shall be filled by the President from amongst the Fellows for the rest of the term of office.

VI. THE PRESIDENT

30. The President shall be the Chairman of the Council; he shall also be the Chairman of all General Meetings of the Academy. The President shall be in administrative charge of the Academy, its properties and affairs subject to the provisions of Statute 37. The President elected for a triennium shall continue to hold office till a President elected for the succeeding triennium assumes charge of his office.

31. In the absence of the President, one of the Vice-Presidents nominated by him shall act as his deputy and may do all such acts as the President himself could do if present. If the President has not so nominated his deputy, the Council shall do so and the Vice-President so nominated by the Council shall act as the deputy of the President and may do all such acts as the President himself could do if present.

32. In case of doubt as to the interpretation of any of the Statutes, the President's interpretation shall hold good until the Council decides otherwise.

VII. THE VICE-PRESIDENTS

33. They shall exercise such powers as may from time to time be delegated to them either by the President or by the Council.

VIII. THE TREASURER

34. The Council shall nominate from amongst its members a Treasurer who shall be responsible to the Council for the general conduct of the Academy's finances and resources. He shall receive for the use of the Academy all sums of money due or payable to the Academy; and shall pay and disburse all sums due from or payable by the Academy; and shall keep a correct account of all receipts and payments. He may, with the approval of the President, appoint a person to carry out his duties in his absence.

35. The Treasurer shall prepare every year a list of the names of those Fellows who may be in arrears of their subscriptions for more than eight months and shall submit it for the orders of the Council at its meeting in December.

IX. THE SECRETARIES

36. The Council shall nominate from amongst its members, two Secretaries, who shall be responsible to the Council for the general conduct of the Academy's correspondence, and all other business excepting those which relate to finances. They shall also be responsible for calling meetings of the Council and General Meetings of the Academy and for the recording and reading of the Minutes of the respective bodies and for carrying out the decisions of the Council except those relating to finance. The allocation of duties and responsibilities between the two Secretaries shall be made by the President.

X. THE COUNCIL

37. All property, movable, immovable and others, belonging to the Academy shall vest in the Council and it shall have full power and

authority to deal with, encumber and dispose of the same for the purpose of the Academy as it deems fit. The Council shall be entitled to exercise all such powers and do all such acts and things as the Academy is authorized to exercise and do.

XI. MEETINGS

38. Meetings of the Council shall be held at the premises of the Academy or at any other suitable place as often as may be necessary and at least two of these shall be held in the premises of the Academy in Bangalore; one during the months of June–July; the other during the months of November–December. The latter meeting shall consider the election of new Fellows each year and members of the Council every three years. Notice of meetings of the Council shall be sent by post to the members at least two weeks in advance.

39. Seven members of the Council shall form a quorum for its meetings. If at the time announced for the commencement of a meeting the quorum is not present, then the meeting shall stand adjourned by half an hour and the meeting shall then take place, the number of members present forming the quorum for the meeting, provided that at least the President and two other members are present. All decisions shall be by a simple majority of votes. The President shall have a casting vote in the event of equality of votes. Decisions may also be taken by the Council through circulation of papers.

40. Twenty Fellows shall constitute a quorum for any General Meeting of the Academy. If at the time announced for the commencement of a meeting the quorum is not present, then the meeting shall stand adjourned by half an hour and the meeting shall then take place, the number of members present forming the quorum for the meeting, provided that at least the President and ten other Fellows are present.

41. There shall be an Annual General Meeting of the Academy at the Headquarters or at a centre to be decided by the Council, notice of which shall ordinarily be given to the Fellows one month in advance.

42. The President shall have the power to call an emergency meeting of the Fellows at the premises of the Academy in Bangalore or at a place decided by the President. Such an emergency meeting shall be summoned by the President on a written request signed by 25 Fellows.

Notice of such emergency meetings shall be sent by post to all the Fellows at least one week in advance.

43. Ordinary meetings of the Academy for the formal presentation of papers as well as special meetings for symposia and public lectures will be held from time to time at the premises of the Academy or at other centres as decided by the Council.

44. Accidental omission to issue the notice for a meeting or its non-receipt by a member shall not invalidate the meeting or its proceedings.

XII. PUBLICATIONS

45. The *Proceedings of the Indian Academy of Sciences* shall be published by the Academy.

46. The Council may issue such other publications as may be deemed necessary.

47. The Council shall nominate from amongst the Fellows an Editor (or Editors) of Publications, who will be responsible to the Council for the conduct of all the publications issued by the Academy. He (they) may be invited to the Council meetings when matters relating to publications are discussed, if he (they) is (are) not a member(s) of the Council.

XIII. PRIVILEGES OF FELLOWS

48. Only Fellows in good standing shall have the following rights and privileges:

- (a) to propose, recommend and vote for candidates for the Fellowship and Honorary Fellowship;
- (b) to vote, nominate and be nominated for election to the Council;
- (c) to attend and vote at all General Meetings;
- (d) to receive copies of the *Proceedings* of the Academy and other publications of the Academy free or on such terms regarding payment as the Council may from time to time decide.

XIV. CESSATION OF THE FELLOWSHIP

49. Fellowship and Honorary Fellowship shall cease by death, resignation or removal.

50. When any Fellow shall have omitted to pay the subscription for two successive years, the Council shall cause a registered letter to be sent to him, directed to his last known address informing him of the amount of the sums due by him and if the dues remain unpaid for a period of six months from the date of despatch of such a letter, he is liable to be removed from membership by the Council. The Council, however, has the power to reinstate him, if all the dues are paid by him within six months of the removal.

51. If any Fellow of the Academy acts in such a manner which is in fact and in spirit derogatory and contrary to the objects of the Academy, he shall be removed from the Fellowship.

52. Whensoever there shall appear to be cause for the removal of any Fellow, the subject shall be laid before the Council; and if a majority of the Council shall, after due deliberation, recommend that the Fellow be removed, the President shall in that case, at the General Meeting of the Academy next following, announce from the chair, the recommendation by the Council; and at the General Meeting of the Academy next after that at which the said announcement has been made, the Fellows shall proceed to deliberate on the question and vote on it. If two thirds of the Fellows present have voted for the removal of the said Fellow from the Fellowship, the President shall proceed to cancel his name in the register of Fellows and such cancellation shall be effective from that date.

XV. LOCAL CENTRES

53. Local centres may be formed with the previous approval of the Council in any place where ten or more Fellows of the Academy are ordinarily resident and desire to form a local centre.

XVI. AUDITOR

54. The Council shall appoint annually an Auditor for checking the account books and for certifying the accuracy of receipts and expenditure.

XVII. STANDING ORDERS OF THE ACADEMY

55. The Council may from time to time issue Standing Orders for the regulation of the affairs of the Academy, provided that such Standing Orders be not contrary to anything contained in the Memorandum of Association and the Statutes of the Academy. Such Standing Orders may be made, amended or replaced at any meeting of the Council.

XVIII. MAKING, AMENDING AND REPEALING OF STATUTES

56. The Statutes may be added to, amended or repealed if a resolution to that effect is passed by the Fellows at a meeting specifically called for the purpose and the votes cast in favour of the resolution are not less than two times the number of votes cast against it.

56-A (i) The Academy may sue and be sued in its own name and be represented in all legal matters by the Executive Secretary. However, the President, with the approval of the Council, may authorize one or more office bearers/officials of the Academy to represent the Academy in such legal matters.

(ii) The ordinary legal original jurisdiction in respect of disputes in which the Academy is a party, shall be Bangalore City.

(iii) It shall be lawful for the Academy to obtain consent of the concerned as regards submission to the condition of legal jurisdiction at Bangalore City alone by way of subscription of signature of such concerned to a prescribed format in token of acceptance of the said condition before the Academy undertakes any act or function with such concerned.

(iv) The condition as to the legal jurisdiction referred to in clause (ii) above shall be incorporated by the Academy in places expedient to it, in the following words, namely.

"The legal jurisdiction of the Indian Academy of Sciences, Bangalore, is Bangalore City and the courts at Bangalore City alone".

XIX. DISSOLUTION

57. In the event of dissolution or winding up of the Academy, the assets remaining as on the date of dissolution shall under no circumstances be distributed among the members of the Council but shall be transferred to another society, association or institution whose objects are similar to those of this Academy.

XX. MISCELLANEOUS

58. These Statutes take effect in supersession of the pre-existing ones.

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COUNCIL FOR THE PERIOD 2013–2015

Prof. Chatterji, D. (President)

Prof. Sood, A.K. (Previous President)

Prof. Baskaran, G.

Dr Bhan, M.K. (Vice-President)

Prof. Bhatia, R.

Prof. Chandrashekar, T.K.

Prof. Ganesh, K.N.

Prof. Maitra, Uday (Secretary)

Prof. Padmanabhan, T.

Dr Rai, S.S.

Prof. Ramaswamy, R. (Vice-President and Editor of Publications)

Prof. Rao, M.R.S. (Vice-President)

Prof. Sarkar, Chitra

Dr Shaha, Chandrima

Prof. Sharma, Ashutosh

Prof. Shyamasundar, R.K.

Prof. Srinivasan, J. (Treasurer)

Dr Sundararajan, G. (Vice-President)

Prof. Varadarajan, R. (Secretary)

Prof. Wadia, S.R.

OFFICE BEARERS

	Telephone	
	Office	Residence
Dipankar Chatterji <i>President</i> (while in Academy Office)	(080) 2293 2836 (080) 2360 0137 (080) 2266 1203	(080) 2539 2055 (080) 2360 5458
A.K. Sood <i>Previous President</i>	(080) 2360 2238 (080) 2293 2964	(080) 2360 8323 (080) 2293 2927
M.K. Bhan <i>Vice President</i>	(011) 2436 2950 (011) 2436 2881	(011) 2696 4173
M.R.S. Rao <i>Vice President</i>	(080) 2208 2752 (080) 2362 2762	(080) 2351 9131
G. Sundararajan <i>Vice President</i>	(040) 2444 3167 (040) 2444 1082	(040) 2717 6029
R. Ramaswamy <i>Vice President & Editor of Publications</i>	(040) 2301 0121	(040) 2300 3434
Uday Maitra <i>Secretary</i>	(080) 2360 1968 (080) 2293 2690	(080) 2360 1774
R. Varadarajan <i>Secretary</i>	(080) 2293 2612	(080) 2360 2332
J. Srinivasan <i>Treasurer</i>	(080) 2293 3068	(080) 2331 4998

FORMER PRESIDENTS

1. Prof. Sir C.V. Raman	1934–1970
2. Prof. T.S. Sadasivan	1971–1973
3. Prof. M.G.K. Menon	1974–1976
4. Prof. S. Dhawan	1977–1979
5. Dr S. Varadarajan	1980–1982
6. Prof. S. Ramaseshan	1983–1985
7. Prof. O. Siddiqi	1986–1988
8. Prof. C.N.R. Rao	1989–1991
9. Prof. R. Narasimha	1992–1994
10. Prof. P. Rama Rao	1995–1997
11. Prof. N. Kumar	1998–2000
12. Dr K. Kasturirangan	2001–2003
13. Prof. T.V. Ramakrishnan	2004–2006
14. Prof. D. Balasubramanian	2007–2009
15. Prof. A. K. Sood	2010–2012

RAMAN CHAIR

The Raman Chair was instituted in 1972 by the Government of India to commemorate the founder of the Academy, Prof. Sir C.V. Raman.

Eminent scientists are invited by the Council of the Academy to occupy the Chair, for periods between 6 weeks and 6 months.

Raman Professors who have occupied the Chair are:

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| 1. Prof. R. Hanbury Brown
Chatterton Astronomy Department
University of Sydney (Australia) | July–Oct. 1974 |
| 2. Prof. Dorothy Hodgkin, Nobel Laureate
Chemical Crystallography Laboratory
University of Oxford (UK) | Feb.–Mar. 1979
Nov. 1979 |
| 3. Prof. N. Bloembergen, Nobel Laureate
Division of Applied Sciences,
Harvard University (USA) | Sept.–Dec. 1979 |
| 4. Prof. Charles Frank
The H.H. Wills Physics Laboratory
University of Bristol (UK) | Dec. 1979–Feb. 1980 |
| 5. Prof. K.R. Ramanathan
Physical Research Laboratory
Ahmedabad | Sept.–Dec. 1980 |
| 6. Prof. George W. Series
University of Reading (UK) | Oct. 1982–Feb. 1983 |
| 7. Prof. G. Pontecorvo
Imperial Cancer Research Fund
London (UK) | Dec. 1982–Feb. 1983 |
| 8. Prof. J.B. Goodenough
University of Oxford (UK) | Dec. 1982–Mar. 1983 |
| 9. Prof. B.S. Blumberg, Nobel Laureate
Fox Chase Cancer Center
Philadelphia (USA) | Jan.–Apr. 1986 |

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| 10. | Prof. John T. Bonner
Princeton University
Princeton, New Jersey (USA) | Oct. 1990–Jan. 1991 |
| 11. | Prof. Anatol Roshko
California Institute of Technology
Pasadena, California (USA) | Dec. 1993–Jan. 1994 |
| 12. | Prof. A. K. Ramdas
Purdue University
Indiana (USA) | Nov. 1994–Jan. 1995 |
| 13. | Prof. Sir Hermann Bondi
Churchill College
Cambridge (UK) | Dec. 1995–Feb. 1996 |
| 14. | Prof. B.I. Halperin
Harvard University
Cambridge, Massachusetts (USA) | Sept.–Oct. 1996 |
| 15. | Prof. Dan P. McKenzie
University of Cambridge
Cambridge (UK) | Feb.–April 1997 |
| 16. | Prof. T.N. Krishnamurti
Florida State University
Tallahassee (USA) | Dec. 1998
Dec. 1999 |
| 17. | Prof. Itamar Procaccia
Weizmann Institute of Science
Rehovot (Israel) | Feb.–Mar. 2001 |
| 18. | Prof. Albert J. Libchaber
The Rockefeller University
New York (USA) | Oct.–Nov. 2001 |
| 19. | Prof. K.R. Sreenivasan
Yale University
New Haven (USA) | June–July 2002 |
| 20. | Prof. Philippe Nozieres
Institut Laue-Langevin
Grenoble Cedex (France) | Feb.–March 2003 |

- | | | |
|-----|--|--|
| 21. | Prof. Robert Williams
Space Telescope Science Institute
Baltimore, Maryland (USA) | Dec. 2003–Jan. 2004 |
| 22. | Prof. Abhay Ashtekar
Pennsylvania State University
Pennsylvania (USA) | Dec. 2004–Jan. 2005 |
| 23. | Prof. Anne McLaren
Cancer Research UK
Gurdon Institute, Cambridge (UK) | Nov.–Dec. 2005
Oct.–Nov. 2006 |
| 24. | Prof. Sajeed John
University of Toronto
Canada | Dec. 2007–Jan. 2008 |
| 25. | Prof. S.R.S. Varadhan
Courant Institute of Mathematical Sciences
New York (USA) | Jan.–Feb. 2009 |
| 26. | Prof. Marc Fontecave
Universite Joseph Fourier
Grenoble (France) | Apr. 2009
Oct.–Nov. 2009 |
| 27. | Prof. Huzihiro Araki
Research Institute for Mathematical
Sciences
Kyoto University, Kyoto (Japan) | Jul.–Sep. 2010 |
| 28. | Prof. Anthony K. Cheetham
University of Cambridge
Cambridge (UK) | Sep.–Oct. 2011
Dec. 2011 |
| 29. | Prof. Sauro Succi
Istituto Applicazioni Calcolo
Rome (Italy) | Oct. 2011
Jan.–Feb. 2012
July 2012 |

JUBILEE PROFESSOR

The Jubilee Professorship was instituted during the Platinum Jubilee Year of the Academy (2009). General guidelines are as follows:

- (1) Eminent scientists from any country and from any scientific discipline can be invited to occupy the Jubilee Professorship for a minimum period of two weeks and up to one month.
- (2) The Jubilee Professor may pursue any scientific activity and may be based in any Laboratory or Institution in India. The Professor is expected to visit smaller towns, universities for delivering lectures, holding seminars and interacting with students, teachers and researchers or for scientific collaboration.
- (3) The Jubilee Professor is entitled to an honorarium of Rs 80,000/- per month in addition to local hospitality for the Jubilee Professor and spouse/companion.
- (4) The Academy will provide one business class air-fare from the place of residence to India and back or two economy class excursion fares if accompanied by spouse/companion.
- (5) All travel expenses of the Jubilee Professor within India will be met by the Academy.

The first Jubilee Professor to occupy the Chair is:

- | | |
|-------------------------------|------------------|
| 1. Prof. Ashok R.Venkitaraman | July–August 2012 |
| University of Cambridge, UK | |

THE FELLOWSHIP, 2013

FELLOWS

Elected
Year

- 1986 **Abrol**, Yash Pal, b. 1935, Ph.D. (Chicago), FNA, FNASc, FNAAS, The Indian Nitrogen Group, Room No. F4, CGIAR Block, NASC Complex, Dev Prakash Shastri Marg, P.O. Pusa, New Delhi 110 012, Tel. Off. & Fax (011) 2584 3842, Res. (0124) 257 6165, Mobile: 98100 32162, email: ypabrol@gmail.com, sp. agriculture; crop physiology; climate variability; environmental issues.
- 2001 **Acharya**, Subrat Kumar, b. 1951, MD (Utkal), D.M. (AIIMS), FNA, FNASc, Department of Gastroenterology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 4934, Res. (011) 2658 8460, Mobile: 98683 97200, Fax (011) 2658 8641, email: subratacharya@hotmail.com, sp. gastroenterology; hepatology; liver diseases.
- 1999 **Adhya**, Samit, b. 1953, Ph.D. (New York), FNA, Outstanding Scientist, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata 700 032, Tel. Off. (033) 2499 5736, Res. (033) 2280 0123, Fax (033) 2472 3967, email: sadhya@iicb.res.in, sp. molecular genetics of parasites; intracellular RNA trafficking; DNA diagnostics.
- 1996 **Adimurthi**, Adi, b. 1952, Ph.D. (Bombay), FNA, FNASc, Professor, TIFR Centre for Applicable Mathematics, P.B. No. 6503, Sharada Nagar, Bangalore 560 065, Tel. Off. (080) 6695 3742; (080) 6695 3790/95, Res. (080) 2341 1505, Fax (080) 6695 3799, email: aditi@math.tifrbng.res.in; adiadimurthi@gmail.com, sp. nonlinear differential equations.

Abbreviations/Explanatory Note:

b.	–	year of birth	Fax	–	Fax number
Tel.	–	telephone number	email	–	electronic mail address
Off.	–	office	sp.	–	fields of specialization
Res.	–	residence			

Area code for telephone and fax numbers within India is given in brackets before each telephone number. The country code and area code for telephone numbers outside India are also given in brackets preceded by '+' sign. The number after a 'slash' sign indicates the extension number.

More abbreviations, see p. 195.

Elected
Year

- 1981 **Aggarwal**, Girish Saran, b. 1946, Ph.D. (Rochester), D.Sc. (h.c.), FNA, FNASc, FTWAS, FRS, Nobel Foundation Chair & Regents Professor, Department of Physics, Oklahoma State University, Stillwater, OK 74078, USA, Tel. Off. (+1-405) 744 3862, Mobile: 40571 41566, Fax (+1-405) 744 6811, email: girish.agarwal@okstate.edu, URL: <http://physics.okstate.edu/agarwal/index.html>, sp. quantum optics; quantum information science; stochastic processes.
- 1985 **Agarwal**, Shyam Swarup, b. 1941, MD (Hons.) (Lucknow), FRCPC, FAMS, FNASc, FNA, Senior Medical Consultant and Director, Academics and Research, Vivekananda Polyclinic and Institute of Medical Sciences, Lucknow; Res. D-13, Vivekanandpuri, Lucknow 226 007, Tel. (0522) 232 2505, Mobile: 99356 43480, email: agarwal_ss2000@yahoo.com, sp. internal medicine; genetics; immunology.
- 2012 **Aggarwal**, Amita, b. 1960, MD (AIIMS), D.M. (Lucknow), Department of Clinical Immunology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow 226 014, Tel. Off. (0522) 249 4296, Res. (0522) 249 4410, Mobile: 94735 84267, Fax (0522) 266 8017, email: aa.amita@gmail.com, sp. clinical immunology; rheumatology; juvenile arthritis.
- 2007 **Aggarwal**, Rakesh, b. 1961, MD (AIIMS), FNASc, Professor, Department of Gastroenterology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Lucknow 226 014, Tel. Off. (0522) 249 4431, Res. (0522) 249 4410, Fax (0522) 266 8017, email: aggarwal.ra@gmail.com, sp. gastrointestinal & liver diseases; viral hepatitis, epidemiology; health economics.
- 1975 **Agrawal**, Hari Om, b. 1936, D.Sc. (Holland), FNASc, Res. Sri Laxman Bhavan, 20/2, Indiranagar, Lucknow 226 016, Tel. (0522) 234 1586, sp. virology; microbiology; environmental sciences; biotechnology.
- 2004 **Agrawal**, Manindra, b. 1966, Ph.D. (IIT, Kanpur), FNAE, FNA, FNASc, FTWAS, Professor, Department of Computer Science, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7338, Res. (0512) 259 8363, Mobile: 99350 62605, Fax (0512) 259 7586, email: manindra@iitk.ac.in, URL: www.cse.iitk.ac.in/users/manindra, sp. computational complexity theory; computation number theory.

Elected
Year

- 1990 **Agrawal**, Prahlad Chandra, b. 1941, Ph.D. (Bombay), FNASc, Res. 405, Vigyan, Scientists' CHS, Plot No. 23, Sector 17, Vashi, Navi Mumbai 400 703, Tel. Off. (022) 2653 0230, Res. (022) 2789 9894, Mobile: 98673 43442, email: prahlad.agrawal@gmail.com, sp. X-ray astronomy; experimental high energy astrophysics.
- 1978 **Ahluwalia**, Jagdish Chander, b. 1935, Ph.D. (Purdue), FNA, Res. 186, SFS Apartments, Hauz Khas, New Delhi 110 016, Tel. (011) 2656 4519, Mobile: 92137 36359, email: ruppals@yahoo.co.in, sp. thermodynamics of biopolymers & surfactants in solutions; solute-solvent interactions.
- 2004 **Ahmad**, Talat, b. 1955, Ph.D. (JNU), FNA, FNASc, JC Bose National Fellow, Vice Chancellor, University of Kashmir, Hazratbal, Srinagar 190 006, Tel. Off. (0194) 242 3345; (0194) 242 3281, Res. (0194) 242 0569, Fax (0194) 242 1357, email: vcoffice@kashmiruniversity.ac.in; tahmad001@gmail.com, sp. igneous petrology; geochemistry; Himalayan geology.
- 2007 **Ajayaghosh**, Ayyappanpillai, b. 1962, Ph.D. (Calicut), FNA, CSIR-Outstanding Scientist, Photosciences & Photonics Section, National Institute for Interdisciplinary Science & Technology, Industrial Estate Post, Thiruvananthapuram 695 019, Tel. Off. (0471) 251 5306, Res. (0471) 249 1592, Mobile: 94460 59059, Fax (0471) 249 1712, email: ajayaghosh@niist.res.in, sp. organic functional materials; molecular self-assembly; organogels; molecular probes; pi-conjugated systems.
- 2013 **Ali**, Nahid, b. 1956, Ph.D. (Calcutta), FNASc, Chief Scientist, Infectious Diseases and Immunology Division, Indian Institute of Chemical Biology, Kolkata 700 032, Tel. Off. (033) 2499 5757, Res. (033) 2280 3153, Mobile: 98300 34759, Fax (033) 2473 5197, email: nali@iicb.res.in; nahidali28@yahoo.in, URL: <http://iicb.res.in/divisionwiselistofscientists/id/nali.html>, sp. biochemistry; immunology; parasitology.
- 2005 **Ali**, Sher, b. 1955, Ph.D. (Delhi), FNA, FNASc, JC Bose National Fellow, Senior Staff Scientist & Chief, Molecular Genetics Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3753, Res. (011) 2670 3613; 2674 1139, Mobile: 98180 04632, Fax (011) 2674 2125, email: alisher@nii.ac.in, sp. molecular genetics of humans & animals; gene expression & genome organization; genomics of endangered species.

Elected
Year

- 1974 **Amarjit Singh**, b. 1924, Ph.D. (Harvard), Res. 12, Auburn Court, Vernon Hills, IL 60061, USA, Tel. (+1-847) 247 9260, email: amarjitsingh@ieee.org, sp. millimeter wave tubes; microwave tubes; microwave electronics.
- 1994 **Amritkar**, Ravindra Eknath, b. 1951, Ph.D. (Bangalore), Senior Professor, Theory Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4451, Res. (079) 2686 2141, Mobile: 90166 26694, Fax (079) 2631 4900, email: amritkar@prl.res.in, URL: <http://www.prl.res.in/~amritkar>, sp. nonlinear phenomena; chaos; statistical physics.
- 2011 **Anand**, Anuranjan, b. 1965, Ph.D. (IISc), Professor, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2804, Res. (080) 4099 5014, Mobile: 98458 04923, Fax (080) 2208 2766, email: anand@jncasr.ac.in, sp. human genetics and genomics; neurogenetics; developmental genetics.
- 1997 **Anand**, Gargeshwari Venkatasubbiah, b. 1943, Ph.D. (IISc), FNAE, MRD Chair Professor, PES Institute of Technology, Bangalore 560 085; Visiting Professor, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 8434, Res. (080) 2361 1263, Fax (080) 2360 0563, email: anandgv@ece.iisc.ernet.in; gargeshwari.anand@gmail.com, sp. statistical signal processing; ocean acoustics; nonlinear dynamics.
- 20 **Anand**, Nitya, b. 1925, Ph.D. (Mumbai & Cantab), FNA, FNASc, Res. Lumbini, B-62, Nirala Nagar, Lucknow 226 020, Tel. (0522) 278 8587; (0522) 404 3229, Mobile: 96700 66999, email: nityaanand1925@gmail.com, sp. organic chemistry; medicinal chemistry. **Council Service:** 1980–82.
- 1974 **Ananthakrishna**, Garani, b. 1942, Ph.D. (Texas, Austin), FNA, Materials Research Centre, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2780, Res. (080) 4167 4240, Fax (080) 2360 0683, email: garani@mrc.iisc.ernet.in, sp. theoretical materials science; condensed matter; dynamical systems & chaos.
- 1995

Elected
Year

- 1996 **Ananthakrishnan**, Subramaniam, b. 1944, Ph.D. (Mumbai), FNA, FNASc, Adjunct Professor, Electronic Science Department, Pune University, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2569 9841, Res. (020) 6609 4598, Fax (020) 2569 9841, email: ananth@ncra.tifr.res.in; subra.anan@gmail.com, sp. extra-galactic radio astronomy; sun & solar wind; interferometry techniques & analog electronics.
- 1975 **Ananthakrishnan**, Taracad Narayanan, b. 1925, Ph.D. & D.Sc. (Madras), FNA, FNAAS, Res. Flat 6, Dwaraka, 22 (New 42), Kamdar Nagar, Nungambakkam, Chennai 600 034, Tel. (044) 2817 0682, email: ananththrips@yahoo.com, sp. Entomology; cecidology; chemical ecology. **Council Service:** 1980–82.
- 1987 **Anil Kumar**, b. 1941, Ph.D. (IIT, Kanpur), FNA, FNASc, FTWAS, NASI Senior Scientist, Department of Physics, NMR Research Centre, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 7344; (080) 2293 2724, Res. (080) 2366 2757, Mobile: 98454 21938, Fax (080) 2360 1550, email: anilnmr@physics.iisc.ernet.in, URL: nrc.iisc.ernet.in/anil/, sp. nuclear magnetic resonance (NMR) spectroscopy & its applications to biomolecules and to quantum computing.
- 2001 **Anil Kumar**, b. 1955, Ph.D. (Pune), FNASc, FNA, Scientist and Chair, Physical & Materials Chemistry Division, National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2278; (020) 2590 2001, Res. (020) 2588 8712; (020) 2590 2416, Mobile: 98220 74509, Fax (020) 2590 2636, email: a.kumar@ncl.res.in, sp. chemical thermodynamics; physical organic chemistry; biophysical chemistry.
- 2008 **Anil Kumar**, b. 1955, Ph.D. (Osmania), Scientist, Geochronology Group, National Geophysical Research Institute, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2343 4790, Res. (040) 2343 4785, email: anilkumar@ngri.res.in, sp. isotope geochemistry; paleomagnetism.
- 1999 **Antia**, Hormazad Maneck, b. 1955, Ph.D. (Bombay), FNASc, FNA, Senior Professor, Astrophysics Group, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2514, Fax (022) 2280 4610, email: antia@tifr.res.in, URL: www.tifr.res.in/~antia, sp. solar physics; helioseismology; numerical techniques.

Elected
Year

- 1980 **Appaji Rao**, Naropantul, b. 1934, Ph.D. (Rajasthan), FNA, Res. 9, Sharada Colony, Basaveshwara Nagar, Bangalore 560 079, Tel. Off. (080) 2360 1561; (080) 2293 2310, Res. (080) 2348 6560, Mobile: 96118 35935, Fax (080) 2360 0814, email: bcnar@biochem.iisc.ernet.in, sp. biochemistry; enzyme regulation; inborn errors of metabolism.
- 2008 **Apte**, Shree Kumar, b. 1952, Ph.D. (Gujarat), FNA, FNASc, FNAAS, Associate Director, Biomedical Group & Head, Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, Tel. Off. (022) 2550 5189; (022) 2559 5342, Res. (022) 2558 0177, Mobile: 98694 80205, Fax (022) 2550 5189; (022) 2550 5326, email: aptesk@barc.gov.in; aptesk@yahoo.com, sp. molecular biology & biotechnology; physiology & biochemistry; stress biology of bacteria & plants.
- 2011 **Arakeri**, Jaywant Hanumappa, b. 1956, Ph.D. (Caltech), FNAE, Professor, Department of Mechanical Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3228, Res. (080) 2244 5468, Fax (080) 2360 0648, email: jaywant@mecheng.iisc.ernet.in, sp. fluid mechanics; heat transfer; turbulence.
- 1991 **Arakeri**, Vijay Hanumappa, b. 1945, Ph.D. (Caltech), Professor, Department of Mechanical Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2670; (080) 2293 2352, Res. (080) 2367 2267, Fax (080) 2360 0683, email: vijay@mecheng.iisc.ernet.in, sp. cavitation; hydrodynamics; two-phase flows.
- 2010 **Arankalle**, Vidya Avinash, b. 1952, Ph.D. (Bombay), FNA, Senior Deputy Director, National Institute of Virology, Sus Road, Pashan, Pune 411 021, Tel. Off. (020) 2600 6330, Res. (020) 2546 0686, Mobile: 93710 16417, Fax (020) 2612 2669, email: varankalle@yahoo.com, sp. virology, molecular biology & vaccine; hepatitis viruses; emerging-re-emerging viruses.
- 2005 **Arora**, Baldev Raj, b. 1947, Ph.D. (Bombay), FNASc, Res. 36, Janakpuri, Engineers Enclave, Phase III, GMS Road, Dehradun 248 001, Tel. (0135) 252 0379, Mobile: 98973 91661, email: arorabr47@gmail.com, sp. electromagnetic geophysics; seismotectonics; earthquake precursors; geomagnetism.

Elected
Year

- 1993 **Arunachalam**, Vaidheeswara, b. 1938, Ph.D. (Cantab), FNA, FNASc, FNAAS, Res. Flat 1, Rams Bridgeview Apartments, 3, Central Avenue Road, Kodambakkam, Chennai 600 024, Tel. (044) 2472 4198, Mobile: 89391 39327, email: vaiaunachalam@hotmail.com, sp. quantitative & population genetics; plant breeding; biodiversity (participatory plant breeding).
- 1979 **Arunachalam**, Vallampadugai Srinivasaraghavan, b. 1935, Ph.D. (Wales), D.Engg (h.c.), D.Litt. (h.c.), D.Sc. (h.c.), FNA, FNASc, FNAE, Chairman & Founder, Centre for Study of Science, Technology & Policy, Dr Raja Ramanna Complex, Raj Bhavan Road, High Grounds, Bangalore 560 001; Res. 547, 9th Cross J.P. Nagar, Bangalore 560 078, Tel. Off. (080) 2237 3311; (080) 4249 0014/15, Res. (080) 2649 1399, Mobile: 98454 47735, Fax (080) 2237 2619, email: vsa@cmu.edu; vsa@cstep.in, URL: www.cstep.in, sp. science, technology & public policy; materials science & engineering; energy technologies; defence technologies; information & communications technology (ICT) for human development & application of infrastructure technologies to development. **Council Service:** 1983–85.
- 2009 **Arunan**, Elangannan, b. 1961, Ph.D. (Kansas State), Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2828, Res. (080) 2360 1952, Mobile: 94498 21952, Fax (080) 2360 0282, email: arunan@ipc.iisc.ernet.in, URL: http://ipc.iisc.ernet.in/arunan.html, sp. molecular & van der Waals spectroscopy; chemical kinetics & dynamics; shock wave interactions with molecules & materials; hydrogen bonding & other molecular interactions.
- 1976 **Aswathanarayana**, Uppugunduri, b. 1928, D.Sc. (Andhra), FNA, FTWAS, Res. B-16, Shanti Shikara Apartments, Raj Bhavan Road, Somajiguda, Hyderabad 500 082, Tel. (040) 2339 9440, Mobile: 98663 31137, Fax (040) 2332 9145, email: uaswathanarayana@gmail.com, sp. nuclear geology; natural resources management; environmental geochemistry.
- 1974 **Athreya**, Krishna Balasundaram, b. 1939, Ph.D. (Stanford), Distinguished Professor, Departments of Mathematics & Statistics, Iowa State University, Ames, Iowa 50011, USA, Tel. Off. (+1-515) 294 2617; (+1-515) 294 5864, Mobile: 51577 91878, Fax (+1-515) 294 4040, email: kba@iastate.edu; kba@math.iisc.ernet.in; kbathreya@gmail.com, sp. probability theory; stochastic processes; mathematical statistics.

Elected
Year

- 2010 **Awasthi**, Shally, b. 1958, MD (Lucknow), FNASc, FAMS, Professor, Department of Paediatrics, King Georges Medical University, Lucknow 226 003, Tel. Off. 92354 44824, Res. (0522) 401 1510, Mobile: 98392 21244, email: shallya@rediffmail.com, sp. paediatrics pulmonology; infectious & parasitic diseases; clinical trials.
- 40
- 1990 **Babu**, Cherukuri Raghavendra, b. 1940, D.Phil. (Calcutta), Distinguished Professor, Ambedkar University, Delhi; Professor Emeritus, Centre for Environmental Management of Degraded Ecosystems, Department of Environmental Studies, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 6237, Mobile: 98105 86709, Fax (011) 2766 6237, email: crb26@hotmail.com; crbabu26@gmail.com, sp. biosystematics; ecology; population genetics; biodiversity conservation.
- 1985 **Babu**, Padmanabhan, b. 1942, Ph.D. (Bombay), Res. No. 706, 7th Main, 11th Cross, J.P. Nagar III Phase, Bangalore 560 078, Tel. (080) 2658 7933, Mobile: 98459 46753, email: pbabu0@gmail.com, sp. genetics & biotechnology.
- 2004 **Bachhawat**, Anand Kumar, b. 1958, Ph.D. (Calcutta), Professor, Indian Institute of Science Education and Research, Mohali, Knowledge City, Manauli P.O., SAS Nagar 140 306, Tel. Off. (0172) 224 0119, Res. (0172) 269 0126, Fax (0172) 224 0226, email: anand@iisermohali.ac.in, sp. microbial genetics; molecular genetics; microbial biochemistry.
- 2010 **Bag**, Amulya Kumar, b. 1937, Ph.D. (Calcutta), Editor, Indian Journal of History of Science, Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi 110 002, Tel. Off. (011) 2322 1931–50, Res. (011) 2525 3538, Mobile: 96540 23365, Fax (011) 2323 5648, email: akbag99@gmail.com, sp. history of mathematics, astronomy & technology in India.
- 1998 **Bagchi**, Bhaskar, b. 1954, Ph.D. (ISI, Calcutta), Professor, Theoretical Statistics & Mathematics Unit, Indian Statistical Institute, RV College Post, Mysore Road, Bangalore 560 059, Tel. Off. (080) 2848 3002–06/455, Res. (080) 2848 2009, Fax (080) 2848 4265, email: bbagchi@isibang.ac.in, sp. finite geometry; combinatorial topology; operator theory.

Elected
Year

- 1991 **Bagchi**, Biman, b. 1954, Ph.D. (Brown), FNA, FNASc, FTWAS, Professor, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2926; (080) 2293 2336, Res. (080) 2360 0236, Mobile: 97407 23401, Fax (080) 2360 1310, email: bbagchi@sscu.iisc.ernet.in, sp. physical & biophysical chemistry; statistical mechanics of liquids; molecular relaxation; chemical reaction dynamics in liquids & biological systems.
- 2007 **Bajpai**, Sunil, b. 1961, Ph.D. (Panjab), FNASc, Professor, Department of Earth Sciences, Indian Institute of Technology, Roorkee 247 667, Tel. Off. (01332) 28 5079, Res. (01332) 28 5385, Mobile: 94115 00818, Fax (01332) 28 5638, email: sunilfes@iitr.ernet.in; sunilbajpai2001@yahoo.com, sp. vertebrate paleontology; paleo-biogeography; biostratigraphy.
- 2007 **Balaji**, Vikraman, b. 1962, Ph.D. (Madras), Professor, Chennai Mathematical Institute, H1, Sipcot IT Park, Padur Post, Siruseri, Chennai 603 103, Tel. Off. (044) 3298 3441-2, Res. (044) 2235 2556, Mobile: 98843 92556, email: balaji@cmi.ac.in, sp. algebraic geometry; representation theory; topology.
- 1994 **Balakrishnan**, Narayanaswamy, b. 1950, Ph.D. (IISc), FNAE, FNA, FNASc, FTWAS, Professor, Supercomputer Education & Research Centre & Department of Aerospace Engineering, and Associate Director, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0129; (080) 2360 0325, Res. (080) 2360 0114, Fax (080) 2360 0221, email: balki@serc.iisc.ernet.in, URL: <http://swati.dli.ernet.in/balki>, sp. numerical electromagnetics; information security; polarimetric radars; aerospace electronic systems. **Council Service:** 1998-2006; Secretary: 1998-2003, Treasurer: 2004-06.
- 1985 **Balakrishnan**, Venkataraman, b. 1943, Ph.D. (Brandeis), Professor Emeritus, Department of Physics, Indian Institute of Technology Madras, Chennai 600 036, Tel. Off. (044) 2257 4853, Res. (044) 2431 0387, Fax (044) 2257 0509, email: vbalki@physics.iitm.ac.in; venkataraman.balakrishnan@gmail.com, URL: <http://hsb.iitm.ac.in/~vbalki>, sp. statistical physics; stochastic processes; dynamical systems.

Elected
Year

- 2009 **Balaram**, Hemalatha, b. 1956, Ph.D. (IISc), Professor, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2812, Res. (080) 2360 2300, Mobile: 99721 77547, Fax (080) 2208 2766, email: hb@jncasr.ac.in, sp. biochemistry; molecular enzymology; molecular parasitology.
- 1981 **Balaram**, Padmanabhan, b. 1949, Ph.D. (Carnegie-Mellon), FNA, FNASc, Professor, Molecular Biophysics Unit, and Director, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0690; Res. (080) 2360 2300, Fax (080) 2360 0535, email: pb@mbu.iisc.ernet.in; diroff@admin.iisc.ernet.in, sp. bioorganic chemistry; molecular biophysics. **Council Service:** 1995–2000.
- 1994 **Balasubramanian**, Aiyilam Subramania, b. 1937, Ph.D. (Kerala), FAMS, Res. 16/7A, First New Street, Thirunagar, Vellore 632 006, Tel. (0416) 224 6260, email: balabsu7@hotmail.com, sp. biochemistry; neurochemistry; enzymology.
- 1981 **Balasubramanian**, Dorairajan, b. 1939, Ph.D. (Columbia), FNA, FNASc, FTWAS, FAAAS, Fellow, German Academy of Sciences, Director of Research, Hyderabad Eye Research Foundation, LV Prasad Eye Institute, LV Prasad Marg, Banjara Hills, Hyderabad 500 034, Tel. Off. (040) 2354 3652; (040) 3061 2501, Res. (040) 2717 4787, Fax (040) 2354 8271, email: dbala@lvpei.org, sp. biophysical chemistry; bio-chemistry of eye diseases; public understanding of science. **Council Service:** 2001–12, Vice-President: 2004–06, President: 2007–09.
- 1991 **Balasubramanian**, Kalpattu Kuppusamy, b. 1939, Ph.D. (Madras), FNA, Visiting Professor, Department of Chemistry, BS Abdur Rahman University, Seethakathi Estate, GST Road, Vandaloore, Chennai 600 048; Res. New 47, (Old 24), Padmanabha Nagar, 5th Street, Adayar, Chennai 600 020, Tel. Res. (044) 2446 1595; (044) 2446 1558, Mobile: 94449 10297, email: kkbadayar@gmail.com; kkbalu@hotmail.com, sp. molecular rearrangements; carbohydrate chemistry; organic electrophotochemistry; synthetic organic chemistry; heterocyclic chemistry.
- 2002 **Balasubramanian**, Kunissery Ananthasubramanian, b. 1945, Ph.D. (Madras), FNASc, FAMS, Res. No. 49, Guruthoppu, Phase I, II Street, Sathuvachari, Vellore 632 009, Tel. Off. (0416) 228 2052, Res. (0416) 225 2879, Mobile: 94872 28314, Fax (0416) 228 2486, email: wlbalu@hotmail.com, sp. oxidative stress; gastrointestinal mucosa; pathophysiology.

Elected
Year

- 1987 **Balasubramanian**, Ramachandran, b. 1951, Ph.D. (Bombay), FNA, FNASc, Professor & Director, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3200-01, Res. (044) 2259 1626, Fax (044) 2254 1586, email: balu@imsc.res.in; director@imsc.res.in, sp. analytic number theory. Council Service: 2007-09.
- 2012 **Balasubramanian**, Sundaram, b. 1966, Ph.D. (IISc), Professor, Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2808, Res. (080) 2356 6297, Mobile: 94482 87708, Fax (080) 2208 2766, email: jncbala@gmail.com, sp. molecular simulations; liquid state; computational chemistry.
- 2000 **Baldev Raj**, b. 1947, Ph.D. (IISc), FNAE, FNASc, FNA, FTWAS, President-Research, PSG Institutions, New Administrative Block, Peelamedu Post, Coimbatore 641 004, Tel. Off. (0422) 434 4201, Res. (0422) 231 3144, Fax (0422) 434 4200, email: baldev.dr@gmail.com, dr.baldev@psg.org.in, sp. non-destructive science & technology; materials performance; technology management; nanoscience & technology.
- 1974 **Bambah**, Ram Prakash, b. 1925, Sc.D. (Cantab), FNA, FNASc, FTWAS, Res. 1275, Sector 19B, Chandigarh 160 019, Tel. (0172) 272 4863; (0172) 278 0228, Mobile: 94172 24863, email: bambahrp@rediffmail.com, sp. number theory; discrete geometry.
- 60
- 2013 **Bandyopadhyay**, Uday, b. 1964, Ph.D. (Jadavpur), FNASc, Principal Scientist, Division of Infectious Diseases and Immunology, Indian Institute of Chemical Biology, Kolkata 700 032, Tel. Off. (033) 2473 3491, Res. (03212) 22 7933, Mobile: 94740 03048, Fax (033) 2473 5197, email: udayb@iicb.res.in, ubandyo_1964@yahoo.com, sp. free radical biology and apoptosis; gastric pathophysiology, antimalarials.
- 1992 **Banerjee**, Dipankar, b. 1952, Ph.D. (IISc), FNA, FNAE, FNASc, Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2558, Res. (080) 2360 5893, Mobile: 72591 85940, Fax (080) 2360 6742, email: dbanerjee@materials.iisc.ernet.in, sp. metallurgy; titanium alloys; electron microscopy.

Elected
Year

- 1991 **Banerjee**, Kalyan, b. 1937, Ph.D. (Calcutta), FNA, FAMS, FNASc, Res. A-1-A/5-6, Sopan Baug, Opp. Mantri Avenue, NCL Road, Pashan, Pune 411 008, Tel. Off. (020) 2565 3680, Mobile: 88885 38970, Fax (020) 2565 1542, email: dr_k_banerjee20@yahoo.co.in, sp. virology; epidemiology; immunology of viral diseases.
- 1993 **Banerjee**, Ranajit Kumar, b. 1944, Ph.D. (Calcutta), FNASc, FNA, Res. "Nature's Nest", Flat No. 1G, 140, PGH Shah Road, Kolkata 700 032, Tel. (033) 2413 0396, Mobile: 98303 37787, email: ranajit_banerjee@rediffmail.com; ranajitb@yahoo.com, sp. molecular enzymology; membrane biochemistry; cell biology.
- 2006 **Banerjee**, Soumitro, b. 1960, Ph.D. (IIT, Delhi), FNA, FNAE, FTWAS, Professor, Department of Physical Sciences, Indian Institute of Science Education & Research, Mohanpur Campus, Nadia 741 252, Tel. Res. (033) 2502 5380, Mobile: 94325 98503, Fax (033) 2587 3020, email: soumitro@iiserkol.ac.in; soumitro.banerjee@gmail.com, URL: <http://www.iiserkol.ac.in/people/faculty/dms/soumitro>, sp. bifurcation theory; switching dynamical systems.
- 1990 **Banerjee**, Srikumar, b. 1946, Ph.D. (IIT, Kharagpur), FNA, FNAE, FNASc, FTWAS, DAE Homi Bhabha Chair Professor, Bhabha Atomic Research Centre, Central Complex, Trombay, Mumbai 400 085, Tel. Off. (022) 2550 5333, Res. (022) 2754 9099, Fax (022) 2550 5333, email: sbanerjee@barc.gov.in, sp. materials science; physical metallurgy; phase transformations; nuclear materials; nuclear fuel cycle; reactor engineering. **Council Service:** 2007–2012; Vice-President: 2010–2012.
- 2002 **Banerjee**, Sunanda, b. 1952, Ph.D. (London), FNA, Professor, High Energy Nuclear and Particle Physics Division, Saha Institute of Nuclear Physics, Sector-1, Block-AF, Bidhannagar, Kolkata 700 064, Tel. Off. (033) 2337 5345/3429, Res. (033) 2555 8173, Fax (033) 2321 4986, email: banerjee@mail.cern.ch, sp. experimental high energy physics.
- 1998 **Bansal**, Manju, b. 1950, Ph.D. (IISc), FNASc, FNA, Professor, JC Bose Fellow, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2534; (080) 2360 7591, Res. (080) 2341 9971, Mobile: 98452 37560, Fax (080) 2360 0535, email: mb@mbu.iisc.ernet.in, URL: <http://nucleix.mbu.iisc.ernet.in>, sp. computational structural biology; computational genome analysis; biomolecular modelling.

Elected
Year

- 2000 **Bapat**, Ravindra Bhalchandra, b. 1954, Ph.D. (Illinois), Professor, Indian Statistical Institute, 7, SJS Sansanwal Marg, New Delhi 110 016, Tel. Off. (011) 4149 3934, Res. (011) 2685 2513, Fax (011) 4149 3981, email: rbb@isid.ac.in; rbbapat@rediffmail.com, sp. combinatorial linear algebra; generalized inverses.
- 1991 **Barma**, Mustansir, b. 1950, Ph.D. (SUNY, Stony Brook), FNA, FNASc, FTWAS, Distinguished Professor & Director, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2306, Res. (022) 2202 1154, Fax (022) 2280 4501, email: barma@theory.tifr.res.in, URL: <http://theory.tifr.res.in/~barma/>, sp. statistical physics.
- 2011 **Barman**, Sudipta Roy, b. 1964, Ph.D. (IISc), Scientist F, UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore 452 001, Tel. Off. (0731) 246 3913/123, Res. (0731) 248 7234, Mobile: 98263 36110, Fax (0731) 246 2294, email: barmansr@gmail.com, sp. electron spectroscopy; surface science; material studies.
- 1987 **Barua**, Asok Kumar, b. 1936, Ph.D. (Calcutta), Honorary Emeritus Professor, Bengal Engineering and Science University, Shibpur, Howrah 711 103, Tel. Off. (033) 2668 4561-64/301, Res. (033) 2477 2033, Mobile: 98300 59351, Fax (033) 2668 7375, email: eruakb@yahoo.com, sp. solid state materials; thin film technology; thin film solar cells.
- 2006 **Basak**, Amit, b. 1952, Ph.D. (Calcutta), D.Phil. (Oxon), FNA, FNASc, Professor and Dean (Faculty), Department of Chemistry, Indian Institute of Technology, Kharagpur 721 302, Tel. Off. (03222) 28 3300, Res. (03222) 28 3301, Mobile: 94340 13294, Fax (03222) 28 2252, email: absk@chem.iitkgp.ernet.in, sp. DNA-interacting agents; biradical chemistry; asymmetric synthesis; enzymology.
- 1997 **Basavaiah**, Deevi, b. 1950, Ph.D. (Banaras), FNA, Professor, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4812, Res. (040) 2301 0977, Fax (040) 2301 2460, email: dbsc@uohyd.ernet.in, sp. organic chemistry: Baylis-Hillman chemistry; chiral catalysis.

Elected
Year

- 1989 **Baskaran**, Ganapathy, b. 1948, Ph.D. (IISc), FNA, FTWAS, Raja Ramanna Fellow, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3303, Res. (044) 2451 0504, Fax (044) 2254 1586, email: baskaran@imsc.res.in, sp. theoretical physics; strongly correlated electronic systems; quantum processes in biology. **Council Service:** 2013–.
- 2013 **Baskaran**, Sundarababu, b. 1961, Ph.D. (IIT, Kanpur), Professor, Department of Chemistry, Indian Institute of Technology, Chennai 600 036, Tel. Off. (044) 2257 4218, Res. (044) 2243 4665, Mobile: 98401 30685, Fax (044) 2257 0545, email: sbhaskar@iitm.ac.in, sp. development of new synthetic methods; green chemistry, synthesis of biologically active natural products.
- 2006 **Basu**, Joyoti, b. 1957, Ph.D. (Calcutta), FNASc, FNA, Professor, Department of Chemistry, Bose Institute, 93/1, Acharya Prafulla Chandra Road, Kolkata 700 009, Tel. Off. (033) 2303 1144; (033) 2303 1153, Res. (033) 2475 3293, Mobile: 98300 44776, Fax (033) 2350 6790, email: joyoti@vsnl.com; joyotibas@gmail.com, sp. molecular microbiology; mycobacteria; host–pathogen interactions; membrane biology.
- 1996 **Basu**, Mukul Kumar, b. 1939, Ph.D. (Jadavpur), FNASc, FRSC (London), CSIR Emeritus Scientist, Biomembrane Division, Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Kolkata 700 032, Tel. Off. (033) 2473 3491; (033) 2473 0492, Res. (033) 2475 0958, Fax (033) 2473 0284, email: mukulbasu@yahoo.com, sp. structure functions of bio-membranes; design & testing of targeted delivery systems; host–parasite interactions.
- 1992 **Basu**, Sandip Kumar, b. 1944, Ph.D. (Calcutta), FNASc, FNA, FTWAS, JC Bose Chair Professor, National Institute of Science Communication and Information Resources, 14 Satsang Vihar Marg, New Delhi 110 067, Tel. Off. (011) 2686 3702, Mobile: 98914 98821, email: sandip@niscair.res.in; sandipkbasu@gmail.com, sp. biochemistry; molecular biology & microbial genetics; cell biology. **Council Service:** 1995–97.
- 2005 **Batra**, Janendra Kumar, b. 1957, Ph.D. (Delhi), FNASc, Staff Scientist, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3739, Res. (011) 2670 3546, Mobile: 98714 99411, Fax (011) 2674 2125, email: janendra@nii.ac.in, URL: http://202.54.226.233/jsp/faculty/scientist_Janendra.html, sp. molecular biology; biochemistry & protein chemistry.

Elected
Year

- 2009 **Beig**, Gufran-Ullah, b. 1961, Ph.D. (Ahmedabad), Scientist & Deputy Director, Indian Institute of Tropical Meteorology, Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 4261, Res. (020) 2295 3145, Fax (020) 2589 3825, email: beig@tropmet.res.in, URL: <http://envis.tropmet.res.in/beig/index.htm>, sp. atmospheric sciences; global change & the atmospheric environment; urban air pollution & chemical-climate change; the 2-D & 3-D atmospheric chemical transport modelling.
- 1989 **Bhaduri**, Sumit, b. 1948, Ph.D. (Cambridge), FNA, 562, Adenwala Road, Rustom Mansion, Mumbai 400 019, Tel. (022) 2415 0255, email: sbhaduri@chem.iitb.ac.in; sbhaduri26@hotmail.com, sp. inorganic chemistry; organometallic chemistry; catalysis.
- 1983 **Bhakuni**, Dewan Singh, b. 1930, Ph.D. and D.Sc. (London), FNA, FNASc, Res. C-132, Nirala Nagar, Lucknow 226 020, Tel. (0522) 278 8517, sp. natural products; bio-organic; bio-synthesis; nucleosides; medicinal chemistry.
- 2008 **Bhalla**, Upinder Singh, b. 1963, Ph.D. (Caltech), FNA, Professor, National Centre for Biological Sciences, GKV Campus, Bellary Road, Bangalore 560 065, Tel. Off. (080) 2366 6130, Res. (080) 2362 4030, Fax (080) 2363 6662, email: bhalla@ncbs.res.in, sp. systems biology; computational neuroscience; systems neurobiology.
- 1991 **Bhan**, Maharaj Kishan, b. 1947, MD (Delhi), FAMS, FNA, FNASc, Secretary, Department of Biotechnology, Block-2, CGO Complex, Lodi Road, New Delhi 110 003, Tel. Off. (011) 2436 2950; (011) 2436 2881, Res. (011) 2696 4173, Fax (011) 2436 0747, email: mkbhan@dbt.nic.in, sp. paediatrics; gastroenterology; infectious diseases; nutrition. **Council Service:** 2013–; Vice-President: 2013–.
- 1990 **Bhandari**, Narendra, b. 1941, Ph.D. (Bombay), FNA, FNASc, INSA Honorary Scientist, PRL, Ahmedabad; Res. 2, Nilima Flats, Nilima Park Society, Vijay Crossing, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4266, Res. (079) 2791 2332, Mobile: 98240 77890, email: nnbhandari@yahoo.com, URL: <http://www.nbhandari.com>, sp. planetary sciences; nuclear geo-physics; exploration of moon.

Elected
Year

- 2004 **Bhanu Sankara Rao**, Kota, b. 1947, Ph.D. (Madras), FNAE, Professor & Dean, School of Engineering Sciences and Technology, University of Hyderabad, Gachibowli, Hyderabad 500 046, Tel. Off. (040) 2313 4450; (040) 2313 4451, Res. (040) 4016 1284, Mobile: 94933 30125, Fax (040) 2301 1087, email: kbsrse@uohyd.ernet.in; kota.bhanu@gmail.com, sp. mechanical metallurgy; physical metallurgy; materials development.
- 1998 **Bharadwaj**, Parimal Kanti, b. 1951, Ph.D. (IIT, Kharagpur), FNA, JC Bose National Fellow, Poonam & Prabhu Goel Chair Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7340; (0512) 259 7034, Res. (0512) 259 8324, Fax (0512) 259 0007, email: pkb@iitk.ac.in, sp. supramolecular chemistry; inorganic chemistry; X-ray crystallography.
- 2009 **Bhardwaj**, Anil, b. 1967, Ph.D. (Banaras), FNA, Scientist G, Head, Planetary Sciences Branch, Space Physics Laboratory, Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram 695 022, Tel. Off. (0471) 256 2330; (0471) 270 6192, Res. (0471) 255 5168, Mobile: 99471 49290, Fax (0471) 270 6535, email: anil_bhardwaj@vssc.gov.in, bhardwaj_spl@yahoo.com, sp. planetary & space sciences; multi-wavelength (X-ray, UV, visible, radio) observations; planetary atmospheres and ionospheres; lunar-solar wind interactions; energetic neutral atoms (ENA) imaging.
- 2010 **Bhargava**, Purnima, b. 1955, Ph.D. (Banaras), FNASc, Centre for Cellular & Molecular Biology, Uppal Road, Tarnaka, Hyderabad 500 007, Tel. Off. (040) 2719 2603, Res. (040) 2717 4749, Fax (040) 2716 0591, email: purnima@ccmb.res.in, sp. biochemistry & molecular biology; eukaryotic transcription; epigenetics & chromatin.
- 90
- 2006 **Bhat**, Badekkila Venkatramana Rajarama, b. 1966, Ph.D. (ISI, Bangalore), Professor, Statistics & Mathematics Unit, Indian Statistical Institute, R.V. College Post, Bangalore 560 059, Tel. Off. (080) 2848 3004/470, Res. (080) 2848 3983/504, Mobile: 98442 21578, Fax (080) 2848 4265, email: bhat@isibang.ac.in, URL: www.isibang.ac.in/~bhat/, sp. quantum probability; operator algebras; operator theory.

Elected
Year

- 2006 **Bhat**, Ganapati Shankar, b. 1957, Ph.D. (IISc), Professor, Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3071, Res. (080) 2347 3340, Mobile: 94498 24340, Fax (080) 2360 0865, email: bhat@caos.iisc.ernet.in, URL: <http://caos.iisc.ernet.in/faculty/gsbhat.pdf>, sp. tropical convection; boundary layer; field studies; ocean-atmosphere coupling.
- 1997 **Bhat**, Subray Venkatraman, b. 1945, Ph.D. (IISc), FNASc, FNA, UGC-BSR Faculty Fellow, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2727, Res. (080) 2341 0312, Mobile: 98455 57534, Fax (080) 2360 2602, email: svbhat1@gmail.com, svbhat@physics.iisc.ernet.in, sp. experimental condensed matter physics; solid state NMR; electron paramagnetic resonance; magnetism & physics of glass transitions.
- 1984 **Bhatia**, Chittranjan, b. 1936, Ph.D. (IARI), FNA, FNAAS, FNASc, FTWAS, Res. No. 17, Rohini, Plot No. 29-30, Sector 9A, Vashi, Navi Mumbai 400 703, Tel. (022) 2765 5178; (022) 2789 5178, Mobile: 98205 02810, email: chittranjan.bhatia@yahoo.com, crbhatia.bhatia@gmail.com, sp. plant genetics; plant breeding; biotechnology.
- 1993 **Bhatia**, Rajendra, b. 1952, Ph.D. (ISI), FNA, FTWAS, Distinguished Scientist, Indian Statistical Institute, 7, SJS Sansanwal Marg, New Delhi 110 016, Tel. Off. (011) 4149 3943, Res. (011) 2686 7942, Fax (011) 4149 3981, email: rbh@isid.ac.in, sp. analysis; operator theory; matrix analysis and applications. **Council Service:** 2013–.
- 1993 **Bhatia**, Suresh Kumar, b. 1952, Ph.D. (Pennsylvania), Fellow, Australian Academy of Technological Sciences and Engineering, School of Chemical Engineering, The University of Queensland, St. Lucia, Brisbane, QLD 4072, Australia, Tel. Off. (+61-7) 3365 4263, Res. (+61-7) 3374 0472, Mobile: 412 684 655, Fax (+61-7) 3365 4199, email: s.bhatia@uq.edu.au, sp. transport & reaction in nanostructured porous media; adsorption; mathematical modelling.
- 2011 **Bhatnagar**, Rakesh, b. 1951, Ph.D. (NSI, Kanpur), FNASc, School of Biotechnology, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4079, Res. (011) 2674 2258, Fax (011) 2674 2040, email: rakeshbhatnagar@mail.jnu.ac.in; rakbhat01@yahoo.com, sp. vaccine development; genetic engineering; molecular biology.

Elected
Year

- 1981 **Bhatt**, Mangalore Vivekananda, b. 1924, Ph.D. (Bombay), FNA, Res. 39, 1st Main, 1st Cross, Siddeshwara Layout, Sidedahalli, Nagasandra Post, Bangalore 560 073, Tel. (080) 2372 2878, Mobile: 93419 28420, sp. physical organic; organometallic; synthetic organic chemistry.
- 2010 **Bhatt**, Subhashchandra Jayantilal, b. 1949, Ph.D. (Gujarat), Professor, Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar 388 120, Tel. Off. (02692) 22 6869, Res. (02692) 23 7115, Fax (02692) 23 7258, email: subhashbhaib@yahoo.co.in; subhashbhaib@gmail.com, sp. Banach & topological algebra; operator algebras & application; harmonic analysis.
- 1993 **Bhattacharjee**, Jayanta Kumar, b. 1952, Ph.D. (Maryland), FNASc, Professor and Director, Harishchandra Research Institute, Chhatnag Road, Jhansi, Allahabad 211 019, Tel. Off. (0532) 227 4301, Res. (0532) 227 4001, Mobile: 99191 88606, email: jkb@hri.res.in; jayanta.bhattacharjee@gmail.com, sp. critical phenomena; turbulence; nonlinear dynamics.
- 100 2000 **Bhattacharjee**, Somendra Mohan, b. 1957, Ph.D. (Carnegie Mellon), FNA, Professor, Institute of Physics, Sachivalaya Marg, Bhubaneswar 751 005, Tel. Off. (0674) 230 1205/120, Res. (0674) 230 2448, Fax (0674) 230 0142, email: somen@iopb.res.in, URL: www.iopb.res.in/~somen, sp. statistical physics; condensed matter physics.
- 2003 **Bhattacharya**, Dipankar, b. 1959, Ph.D. (IISc), Professor, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4210, Res. (020) 2560 4403, Mobile: 99236 97158, Fax (020) 2560 4698-99, email: dipankar@iucaa.ernet.in, URL: http://www.iucaa.ernet.in/~dipankar/, sp. high energy astrophysics; neutron stars; cosmic explosions. **Council Service:** 2007–09.
- 2006 **Bhattacharya**, Samaresh, b. 1960, Ph.D. (Jadavpur), Professor, Inorganic Chemistry Section, Department of Chemistry, Jadavpur University, Kolkata 700 032, Tel. Off. (033) 2414 6223, Res. (033) 2431 0998, Mobile: 98302 03354, Fax (033) 2414 6223, email: sbhattacharya@chemistry.jdvu.ac.in, sp. inorganic chemistry; coordination chemistry; organometallic chemistry.

Elected
Year

- 1996 **Bhattacharya**, Samir, b. 1942, Ph.D. (Calcutta), FNA, FNASc, Emeritus Professor, Centre of Advanced Studies in Zoology, School of Life Sciences, Visva-Bharati, Santiniketan 731 235, Tel. Off. (03463) 26 1268, Res. (03463) 26 2838, Mobile: 92325 67066, Fax (03463) 26 1176, email: bhattacharyasa@gmail.com, sp. comparative endocrinology; molecular signalling.
- 2000 **Bhattacharya**, Santanu, b. 1958, Ph.D. (Rutgers), FNA, Professor, Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2664; (080) 2293 2777, Res. (080) 2360 1944, Fax (080) 2360 0529, email: sb@orgchem.iisc.ernet.in, sp. chemical biology; molecular design & chemistry of materials; nanomaterials.
- 1994 **Bhattacharya**, Sourendra Kumar, b. 1948, Ph.D. (Gujarat), FNASc, Visiting Professor, Academia Sinica, Taipei 11529, Taiwan, Tel. Off. (+886-2) 2653 9885, Res. (+886-2) 2785 2717, Fax (+886-2) 2783 3584, email: skbhatta1@gmail.com, bhattacha@gate.sinica.edu.tw, sp. isotope geochemistry; anomalous isotopic fractionation.
- 2001 **Bhattacharya**, Sudha, b. 1952, Ph.D. (IARI), FNASc, Professor and Dean, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4308; (011) 2670 4302, Res. (011) 2613 3295, Mobile: 98184 76740, Fax (011) 2674 1502, email: sb@mail.jnu.ac.in; sbjnu110@gmail.com, sp. molecular biology, molecular parasitology; genomics.
- 2007 **Bhattacharyya**, Archana, b. 1948, Ph.D. (Northwestern), FNASc, FNA, Professor Emeritus, Indian Institute of Geomagnetism, Kalamboli, New Panvel, Navi Mumbai 410 218, Tel. Off. (022) 2748 4147, Res. (022) 2772 2014, Mobile: 96195 43004, Fax (022) 2748 0762, email: abh@iigs.iigm.res.in, sp. ionospheric physics; geomagnetism; space weather.
- 1993 **Bhattacharyya**, Bhabatarak, b. 1944, Ph.D. (Calcutta), FNA, FNASc, FTWAS, Raja Ramanna Fellow, Department of Biochemistry, Bose Institute, P-1/12, CIT Scheme, VII M, Kolkata 700 054, Tel. Off. (033) 2355 0256, Res. (033) 2422 3812, Fax (033) 2334 3886, email: bablu@boseinst.ernet.in, sp. biophysical chemistry; biochemistry; molecular spectroscopy.

Elected
Year

- 1997 **Bhattacharyya**, Kankan, b. 1954, Ph.D. (Calcutta), FNA, FNASc, FTWAS, Director, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4688, Res. (033) 2436 4457, Mobile: 94330 71155, Fax (033) 2483 6561; (033) 2473 2805, email: pckb@iacs.res.in; director@iacs.res.in, URL: <http://www.iacs.res.in/pckb.html>, sp. experimental physical chemistry; femtosecond laser spectroscopy; single molecule spectroscopy.
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- 1993 **Bhattacharyya**, Sankar Prasad, b. 1948, Ph.D. (Calcutta), Raja Ramanna Fellow, Department of Chemistry, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Res. (033) 2381 8095, Mobile: 99205 64541, 90512 85012, email: pcspb@chem.iitb.ac.in; pcspb123@gmail.com, URL: <http://www.iacs.res.in/pcspb.html>, sp. quantum chemistry.
- 1975 **Bhattacharyya**, Sasanka Chandra, b. 1918, Ph.D. (Dacca & Cantab), Sc.D. (Cantab), FNA, Res. 49/7, Canal Road, Kishanpur, Dehradun 248 009, Tel. (0135) 273 4540, sp. organic chemistry.
- 1973 **Bhattacharjee**, Satyendra Kumar, b. 1926, Ph.D. (Notre Dame), Res. 302B, Tribute, Rajkamal Studio Compound, Off Dr SS Rao Road, Behind Mahatma Gandhi Memorial Hospital, Parel, Mumbai 400 012, sp. experimental nuclear physics.
- 1998 **Bhatwadekar**, Shrikant Mahadeo, b. 1946, Ph.D. (Bombay), FNA, NBHM Visiting Professor, Bhaskaracharya Pratishthana, 56/14, Erandwane, Damale Path, Off Law College Road, Pune 411 004, Res. Tel. (020) 6529 2821, email: smbhatwadekar@gmail.com, sp. commutative algebra; algebraic geometry.
- 1986 **Bhawalkar**, Dilip Devidas, b. 1940, Ph.D. (Southampton), FNA, FNASc, Director, Quantalase Enterprises Pvt. Ltd, 26, Paramanu Nagar, Indore 452 013, Tel. Off. (0731) 232 2707, Res. (0731) 232 0031, Mobile: 93032 37573, email: ddbhawalkar@yahoo.com, sp. lasers & laser instrumentation.
- 1996 **Bhisey**, Rajani Avinash, b. 1941, Ph.D. (Bombay), FNA, Res. 7, Yug Prabhat Co-operative Housing Society, Sitaldevi Temple Road, Mahim, Mumbai 400 016, Tel. (022) 2446 7356, Mobile: 98334 21249, email: rajani.bhisey@gmail.com, sp. environmental carcinogenesis; molecular epidemiology of cancer.

Elected
Year

- 1982 **Bhonsle**, Rajaram Vishnu, b. 1928, Ph.D. (Gujarat), Res. B/1, Mahagaokar Complex, Rajaram Road, Kolhapur 416 001, Tel. (0231) 252 2138, Mobile: 98224 20140, email: rvbhonsle@yahoo.co.in, sp. solar terrestrial physics; radio astronomy; space science.
- 2000 **Bhosle**, Ushadevi Narendra, b. 1949, Ph.D. (TIFR), FNASc, FNA, Senior Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2612, Res. (022) 2280 4597, Mobile: 99306 41136, Fax (022) 2280 4610–11, email: usha@math.tifr.res.in, sp. algebraic geometry.
- 1977 **Biswas**, Birendra Bijoy, b. 1928, Ph.D. (Calcutta), FNA, Res. CG-155, Salt Lake City, Kolkata 700 091, Tel. (033) 2334 8649, Mobile: 94334 24609, email: suswetabiswas@gmail.com, sp. nucleic acid metabolism; plant biochemistry; genetic engineering.
- 2010 **Biswas**, Gautam, b. 1956, Ph.D. (IIT, Kharagpur), FNASc, FNAE, FNA, JC Bose National Fellow, Director, Central Mechanical Engineering Research Institute, Durgapur 713 209, Tel. Off. (0343) 254 6749; (0343) 254 6401, Res. (0343) 256 4030, Fax (0343) 254 6745, email: director@cmeri.res.in; gtm@iitk.ac.in, URL: <http://home.iitk.ac.in/~gtm>, sp. enhancement of heat transfer; computational fluid dynamics; bubble growth in film boiling; free surface flows; turbomachinery & turbulence.
- 120 2003 **Biswas**, Indranil, b. 1964, Ph.D. (Bombay), Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2220, Res. (022) 2280 4832, Fax (022) 2280 4610–11, email: indranil@math.tifr.res.in, sp. algebraic geometry; differential geometry; deformation quantization.
- 2009 **Borges**, Renee Maria, b. 1959, Ph.D. (University of Miami, Florida), Professor and Chairperson, Centre for Ecological Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 2972; (080) 2293 3103, Res. (080) 2341 7366, Fax (080) 2360 1428, email: renee@ces.iisc.ernet.in, sp. evolutionary biology & behavioural ecology; focussing on species interactions; plant–animal interactions; chemical ecology; sensory biology; multimodal signaling including and visual ecology.

Elected
Year

- 1993 **Borkar**, Vivek Shripad, b. 1954, Ph.D. (UC, Berkeley), FNA, FNASc, FNAE, FIEEE, Professor, Department of Electrical Engineering, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9405, Res. (022) 2572 8619, Fax (022) 2572 3707, email: borkar.vs@gmail.com, sp. stochastic control theory; applied probability.
- 2006 **Bose**, Arup, b. 1959, Ph.D. (ISI, Calcutta), FNA, FNASc, JC Bose Fellow, Professor, Statistics & Mathematics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3409, Res. (033) 2429 8922, Mobile: 98304 96250, Fax (033) 2577 3071, email: abose@isical.ac.in; bosearu@gmail.com, URL: www.isical.ac.in/~abose, sp. probability; statistics; economics.
- 1989 **Bose**, Dwarka Nath, b. 1938, Ph.D. (Reading), FNASc, Res. 7/2, Short Street, Kolkata 700 017, Tel. Off. (033) 2350 1993, Res. (033) 2287 5679, email: dwarkabose322@gmail.com, sp. semiconductor materials & devices; VLSI technology; terahertz devices.
- 2000 **Bose**, Indrani, b. 1951, Ph.D. (Calcutta), FNASc, Senior Professor, Department of Physics, Bose Institute, 93/1, APC Road, Kolkata 700 009, Tel. Off. (033) 2303 1184, Res. (033) 2352 3723, Mobile: 98306 06901, Fax (033) 2350 6790, email: indrani@bosemain.boseinst.ac.in, sp. theoretical condensed matter physics; statistical physics; biological physics & systems biology.
- 1990 **Bose**, Sujit Kumar, b. 1938, D.Sc. (Calcutta), Res. BE-188, Salt Lake City, Kolkata 700 064, Mobile: 94338 79408, email: sujitkbose@yahoo.com, sp. applied mathematics; solid mechanics; fluid mechanics & sediment transport.
- 1991 **Brahmachari**, Samir Kumar, b. 1952, Ph.D. (IISc), FNA, FNASc, FNAE, Director General, Council of Scientific & Industrial Research, Anusandhan Bhavan, 2, Rafi Ahmed Kidwai Marg, New Delhi 110 001, Tel. Off. (011) 2371 0472; (011) 2371 7053, Fax (011) 2371 0618, email: dgcsir@csir.res.in; dg@csir.res.in, sp. functional genomics; genome informatics, systems biology and open source innovation.
- 2005 **Budhani**, Ramesh Chandra, b. 1955, Ph.D. (IIT, Delhi), FNASc, FNA, Director, National Physical Laboratory, Dr K.S. Krishnan Marg, New Delhi 110 012, Tel. Off. (011) 4560 9201; (011) 4560 9301, Fax (011) 4560 9310, email: dnpl@mail.nplindia.ernet.in, sp. experimental condensed matter physics; superconductivity; magnetism.

Elected
Year

- 1993 **Chaddah**, Praveen, b. 1951, Ph.D. (Bombay), FNA, FNASc, Director, UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore 452 001, Tel. Off. (0731) 246 3945, Res. (0731) 248 7326, Mobile: 94253 19686, Fax (0731) 246 2294, email: chaddah@csr.res.in; director@csr.res.in, sp. super-conductivity; low temperature physics; phase transitions.
- 130
- 1997 **Chakrabarti**, Bikas Kanta, b. 1952, Ph.D. (Calcutta), FNA, Senior Professor, Theoretical Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata 700 064, Tel. Off. (033) 2337 5345–9/2453; (033) 2321 4869, Res. (033) 2370 9377, Mobile: 93395 11916, Fax (033) 2337 4637, email: bikask.chakrabarti@saha.ac.in, URL: www.saha.ac.in/cmp/bikask.chakrabarti/bikas.html, sp. statistical physics; condensed matter physics; computational physics & applications to social sciences.
- 2000 **Chakrabarti**, Partha Pratim, b. 1962, Ph.D. (IIT, Kharagpur), FNA, FNAE, Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur 721 302, Tel. Off. (03222) 28 2037, Res. (03222) 28 3467, Fax (03222) 27 7190, email: ppchak@cse.iitkgp.ernet.in, sp. artificial intelligence; computer aided design for VLSI; algorithms.
- 1998 **Chakrabarti**, Pinakpani, b. 1955, Ph.D. (IISc), FNA, FNASc, FTWAS, Professor, Department of Biochemistry & Bioinformatics Centre, Bose Institute, P-1/12, CIT Scheme, VII M, Kolkata 700 054, Tel. Off. (033) 2569 3253, Res. (033) 2466 6989, Mobile: 98307 51009, Fax (033) 2355 3886, email: pinak@boseinst.ernet.in; pinak_chak@yahoo.co.in, URL: <http://www.boseinst.ernet.in/bic/fac/pinak/index.html>, sp. X-ray crystallography; structural biochemistry; bioinformatics.
- 2010 **Chakraborti**, Pradip Kumar, b. 1956, Ph.D. (Visva-Bharati), FNASc, FNA, Chief Scientist, Institute of Microbial Technology, Sector 39A, Chandigarh 160 036, Tel. Off. (0172) 269 0751, Res. (0172) 269 5488, Mobile: 98158 63975, Fax (0172) 269 0585, email: pradip@imtech.res.in, sp. biochemistry & molecular biology; molecular microbiology; prokaryotic signal transduction.
- 2003 **Chakraborty**, Tushar Kanti, b. 1957, Ph.D. (IIT, Kanpur), FNA, FNASc, Director, Central Drug Research Institute, Chatter Manzil Palace, P.B. No. 173, Lucknow 226 001, Tel. Off. (0522) 262 3286, Res. (0522) 261 0932, Fax (0522) 262 3405, email: chakraborty@cdri.res.in; director@cdri.res.in, sp. peptides & peptidomimetics; organic synthesis.

Elected
Year

- 1995 **Chakravarty**, Akhil Ranjan, b. 1953, Ph.D. (Calcutta), FNA, FTWAS, Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2533, Res. (080) 2360 5407, Mobile: 94482 75407, Fax (080) 2360 1552, email: arc@ipc.iisc.ernet.in; akhil_chakravarty@yahoo.co.in, URL: <http://ipc.iisc.ernet.in/arc.html>, sp. bioinorganic chemistry; coordination chemistry, metal-based anticancer agents.
- 2006 **Chakravarty**, Charusita, b. 1964, Ph.D. (Cambridge), Professor, Department of Chemistry, Indian Institute of Technology, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 1510, Res. (011) 2674 1109, Mobile: 98108 04202, Fax (011) 2686 2122, email: charus@chemistry.iitd.ernet.in, sp. chemical physics; theoretical & computational chemistry.
- 1975 **Chakravorty**, Animesh, b. 1935, Ph.D. (Calcutta), D.Sc. (h.c.), FNA, FTWAS, Emeritus Professor, Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2472 4436, Res. (033) 2485 8327, Mobile: 94338 01715, email: animeshc31@yahoo.co.in, icac@iacs.res.in, URL: www.iacs.res.in/inorg/icac/, sp. inorganic chemistry. **Council Service:** 1986–91.
- 1981 **Chakravorty**, Dipankar, b. 1937, Ph.D. (Penn. State), D.Sc. (h.c.), FNA, FTWAS, Emeritus Professor and INSA Honorary Scientist, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1580, Res. (033) 2476 1351, Mobile: 98300 61734, Fax (033) 2473 2805, email: mlsdc@iacs.res.in, sp. materials science; nanomaterials. **Council Service:** 1992–97.
- 1993 **Chander**, Ramesh, b. 1939, Ph.D. (Columbia), Res. 290, Sector 4, Mansa Devi Complex, Panchkula 134 114, Tel. (0172) 255 5884, email: profrchander@gmail.com, sp. geodynamics of Himalaya; seismology; geophysics.
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- 1992 **Chandola-Saklani**, Asha, b. 1947, Ph.D. (Banaras), Consultant–Biosciences, Martin & Harris Pvt. Ltd., New Delhi; Director, Centre for Biosciences & Clinical Research, Apeejay Stya University, Plot 26, Sector 32, Institutional Area, Gurgaon 122 001, Tel. Off. 96501 07449, Res. (011) 4563 9301, Mobile: 99588 85335, email: ashachandola@apeejay.edu; ashachandola@gmail.com, sp. endocrinology; clinical research; ornithology; conservation biology; science education.

Elected
Year

- 2005 **Chandra**, Amalendu, b. 1963, Ph.D. (IISc), FNA, Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7241; (0512) 259 7252, Res. (0512) 259 8446, Mobile: 94150 45276, Fax (0512) 259 7436, email: amalen@iitk.ac.in, URL: <http://home.iitk.ac.in/~amalen>, sp. statistical mechanics of liquids & interfaces; classical & quantum simulations; molecular modelling.
- 1979 **Chandra**, Hombegowda Sharat, b. 1938, Ph.D. (UC, Berkeley), FNA, FNASc, FTWAS, Centre for Human Genetics, Biotech Park, Electronic City, Phase I, Bangalore 560 100, Tel. Off. & Fax (080) 2852 1832; (080) 2852 1833, Res. (080) 2663 9353, email: sharat@mcbl.iisc.ernet.in, sp. genetics & evolution. **Council Service:** 1986–91, 1998–2000; Secretary: 1986–91; Vice-President: 1998–2000.
- 1993 **Chandrakumar**, Narayanan, b. 1951, Ph.D. (IIT, Kanpur), FNA, Professor, Department of Chemistry, Indian Institute of Technology, Chennai 600 036, Tel. Off. (044) 2257 4920; (044) 2257 4203, Res. (044) 2679 1073, Fax (044) 2257 4202, email: nckumar@iitm.ac.in; chandrakumar.iitm@gmail.com, sp. magnetic resonance imaging; MR spectroscopy & instrumentation; spin physics.
- 1989 **Chandrasekaran**, Srinivasan, b. 1945, Ph.D. (Madras), FNA, FTWAS, Honorary Professor, Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. & Fax (080) 2360 2423; (080) 2293 2404, Res. (080) 2351 2748, Mobile: 98860 88344, email: scn@orgchem.iisc.ernet.in, sp. synthetic organic chemistry; natural products; organometallic chemistry. **Council Service:** 2004–12, Secretary: 2004–09, Treasurer: 2010–12.
- 1992 **Chandrasekhar**, Jayaraman, b. 1952, Ph.D. (IIT, Madras), FNA, Gilead Connecticut, 36, East Industrial Road, Branford, CT 06405, USA, Tel. Off. (+1-203) 315 7412, Res. (+1-203) 445 8797, email: jayaraman.chandrasekhar@gilead.com, sp. computational chemistry; theoretical organic chemistry; drug discovery.
- 2011 **Chandrasekhar**, Srivari, b. 1964, Ph.D. (Osmania), FNASc, Chief Scientist and Head, Division of Natural Products Chemistry, Indian Institute of Chemical Technology, Hyderabad 500 607, Tel. Off. (040) 2719 3210, Res. (040) 2742 3675, Mobile: 94408 02787, Fax (040) 2716 0512, email: srivaric@iict.res.in, sp. natural product synthesis; green chemistry; combinatorial chemistry; drug discovery.

Elected
Year

- 2003 **Chandrasekhar**, Vadapalli, b. 1958, Ph.D. (IISc), FNA, FNASc, FTWAS, Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7259, Res. (0512) 259 8549, Fax (0512) 259 7436, email: vc@iitk.ac.in, sp. inorganic chemistry; organometallic chemistry; inorganic rings & polymers; many-group chemistry. **Council Service:** 2010–12.
- 1959 **Chandrasekharan**, Komaravolu, b. 1920, Ph.D. (Madras), FNA, Professor Emeritus, Eidg. Technische Hochschule, Mathematik, ETH Zentrum, 8092 Zürich, Switzerland, Tel. Res. (+41-1) 381 9686, sp. analysis; theory of numbers.
- 2000 **Chandrashekar**, Tavarekere Kalliah, b. 1956, Ph.D. (IISc), FNA, FNASc, FTWAS, Director, National Institute of Science Education & Research, Institute of Physics Campus, Sachivalaya Marg, Bhubaneswar 751 005, Tel. Off. (0674) 230 2435; (0674) 230 4005, Res. (0674) 274 1225, Mobile: 94370 57878, Fax (0674) 230 4070, email: director@niser.ac.in; tkc@iitk.ac.in; tkc@niser.ac.in, sp. bioinorganic chemistry; synthetic inorganic chemistry; catalysis. **Council Service:** 2013–.
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- 1996 **Chandru**, Vijay, b. 1953, Ph.D. (MIT), Chairman, Strand Life Sciences, Kirloskar Business Park, 5th Floor, Hebbal, Bangalore 560 024, Tel. Off. (080) 4078 7314, Res. (080) 2361 5038, Mobile: 98452 02820, Fax (080) 4078 7299, email: chandru@alum.mit.edu; chandru@strandls.com, URL: <http://in.linkedin.com/in/vijaychandru>, sp. computational mathematics; computational biology; data intensive science.
- 2008 **Chandy**, Mammen, b. 1949, MD (Madras), FRCP, Director, Tata Medical Center, 14, Major Arterial Road (E-W), New Town, Rajarhat, Kolkata 700 156, Tel. Off. (033) 6605 7577; (033) 6605 7582, Mobile: 96744 67726, email: mammen.chandy@tmckolkata.com, sp. hematology; bone marrow transplantation; molecular genetics of blood diseases.
- 2001 **Chattaraj**, Pratim Kumar, b. 1958, Ph.D. (IIT, Mumbai), FNA, FNASc, Convener, Centre for Theoretical Studies and Professor, Department of Chemistry, Indian Institute of Technology, Kharagpur 721 302, Tel. Off. (03222) 28 3304, Res. (03222) 28 3305, Fax (03222) 25 5303, email: pkc@chem.iitkgp.ernet.in; pratim.chattaraj@gmail.com, URL: www.chem.iitkgp.ernet.in/faculty/PKC/web/index.php, sp. density functional theory; nonlinear dynamics; chemical reactivity; aromaticity in metal clusters, hydrogen storage.

Elected
Year

- 1994 **Chatterji**, Dipankar, b. 1951, Ph.D. (IISc), FNA, FNASc, FTWAS, Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2836; (080) 2360 0137, Res. (080) 2360 5458; (080) 2539 2055, Fax (080) 2360 0535, email: dipankar@mbu.iisc.ernet.in, sp. molecular biology; biophysical chemistry; biomolecular spectroscopy. **Council Service:** 2007–; Secretary: 2010–12; President: 2013–.
- 2010 **Chattoo**, Bharat Bhushan, b. 1949, Ph.D. (Delhi), JC Bose National Fellow, Professor, Genome Research Centre, Department of Microbiology & Biotechnology Centre, M.S. University of Baroda, Baroda 390 002, Tel. Off. (0265) 279 3070; (0265) 279 4396, Res. (0265) 271 1979, Mobile: 98240 03982, Fax (0265) 279 2508, email: bharat.chattoo@bcmsu.ac.in; chattoo@gmail.com, sp. biotechnology, microbial & molecular genetics; genome analysis; bioprocess development.
- 2000 **Chattopadhyay**, Amitabha, b. 1956, Ph.D. (SUNY, Stony Brook), FNA, FNASc, Professor, Outstanding Scientist, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2578; (040) 2716 0222, Res. (040) 2701 5197, Fax (040) 2716 0591, email: amit@ccmb.res.in, URL: <http://www.ccmb.res.in/staff/amit/Pages/Index.htm>, sp. membrane biology; molecular & cellular neurobiology; fluorescence spectroscopy & microscopy.
- 2013 **Chattopadhyay**, Debasis, b. 1967, Ph.D. (Calcutta), FNASc, Staff Scientist V, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2673 5189, Res. (011) 2673 5148, Mobile: 98682 40645, Fax (011) 2674 1658, email: debasis@nipgr.ac.in, URL: www.nipgr.res.in/research/dr_dchattopadhyay.php, sp. abiotic stress of plant, plant virology, genome sequencing.
- 2004 **Chattopadhyay**, Dhrubajyoti, b. 1954, Ph.D. (Calcutta), FNASc, Professor, Department of Biotechnology, University of Calcutta, 35, Ballygunge Circular Road, Kolkata 700 019, Tel. Off. & Fax (033) 2257 1470, Res. (033) 2334 9382, Mobile: 98310 83791, email: djcbcg@caluniv.ac.in, sp. transcription; molecular virology; oxidative stress response; metagenomics.

Elected
Year

- 2008 **Chattopadhyay**, Joydev, b. 1963, Ph.D. (Jadavpur), Professor, Agricultural & Ecological Research Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3231, Res. (033) 2553 9920, Mobile: 98305 46490, Fax (033) 2577 3049, email: joydev@isical.ac.in, sp. mathematical modelling on ecology; epidemiology & eco-epidemiology.
- 1995 **Chattopadhyay**, Kamanio, b. 1950, Ph.D. (Banaras), FNA, FNASc, FNAE, Chairman, Mechanical Sciences Division & Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. & Fax (080) 2360 1991; (080) 2293 2262, Res. (080) 2341 7660, email: kamanio@materials.iisc.ernet.in, sp. physical metallurgy; materials science & engineering.
- 160
- 2010 **Chattopadhyay**, Nitin, b. 1960, Ph.D. (Jadavpur), Professor, Department of Chemistry, Jadavpur University, Kolkata 700 032, Tel. Off. (033) 2457 2776, Res. (033) 2483 4133, Mobile: 94339 48648, Fax (033) 2414 6584, email: nitin.chattopadhyay@yahoo.com; nkchattopadhyay@chemistry.jdvu.ac.in, URL: <http://sites.google.com/site/pcniti/>, sp. photophysics & photochemistry; time-resolved spectroscopy; biophysical chemistry; surface chemistry; fluorosensing; photoacoustic spectroscopy.
- 2011 **Chattopadhyay**, Samit, b. 1959, Ph.D. (Jadavpur), FNASc, FNA, Scientist F, Chromatin and Cancer Biology Laboratory, National Centre for Cell Science, Pune University Campus, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2570 8161, Res. (020) 2589 6121, Mobile: 98234 09155, Fax (020) 2569 2259, email: samit@nccs.res.in; samitchatterji@yahoo.com, sp. transcription regulation; cancer biology; immunology.
- 2009 **Chattopadhyay**, Sudip, b. 1960, Ph.D. (Bose Institute, Calcutta), FNA, FNASc, Professor, Department of Biotechnology, National Institute of Technology, Mahatma Gandhi Avenue, Durgapur 713 209, Tel. Off. (0343) 275 4027, Res. (0343) 253 7416, Mobile: 96792 66581, Fax (0343) 254 7375, email: sudipchatto@yahoo.com, sp. plant molecular biology (signal transduction).
- 1998 **Chaturvedi**, Subhash, b. 1950, D.Phil. (Waikato), FNASc, Professor, School of Physics, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4353, Res. (040) 2301 0744, Mobile: 99596 13709, Fax (040) 2301 0227, email: scsp@uohyd.ernet.in, sp. mathematical physics; quantum optics; quantum information & computation.

Elected
Year

- 1986 **Chaturvedi**, Umesh Chandra, b. 1939, MD (Lucknow), FRC Path. (London), FNA, FNASc, FAMS, FAAM, Scientific Consultant, ICMR, Department of Health Research, New Delhi; Res. 201, Annapurna Apartments, No. 1, Bishop Rocky Street, Faizabad Road, Lucknow 226 007, Tel. (0522) 232 2975, Mobile: 94509 13506, Fax (0522) 233 2770, email: uchaturvedi201@gmail.com; ucc05@rediffmail.com, sp. medical microbiology; virology; immunology.
- 1992 **Chaudhari**, Raghunath Vitthal, b. 1948, Ph.D. (Bombay), FNA, FNAE, Deane E Ackers Distinguished Professor, Chemical & Petroleum Engineering Department, University of Kansas, Lawrence, KS 66047-1803, USA, Tel. Off. (+1-785) 864 1634, Res. (+1-785) 856 1194, Fax (+1-785) 864 6051, email: rvc1948@ku.edu, sp. homogeneous & heterogeneous catalysis; biomass conversion to fuels & chemicals; multi-phase reactors & chemical reaction engineering; kinetics & mechanism.
- 2008 **Chaudhuri**, Arabinda, b. 1958, Ph.D. (Rutgers), Chief Scientist, Division of Lipid Science & Technology, Indian Institute of Chemical Technology, Uppal Road, Hyderabad 500 607, Tel. Off. (040) 2719 3235, Res. (040) 2715 6755, Mobile: 94400 40582, Fax (040) 2719 3370, email: arabinda@iict.res.in, arabindachaudhuri@gmail.com, sp. targetted gene/drug delivery systems.
- 1988 **Chaudhuri**, Mihir Kanti, b. 1947, Ph.D. (IIT, Kharagpur), Dr rer nat (FRG), FNA, Vice-Chancellor, Tezpur University, Tezpur 784 028, Tel. Off. (03712) 26 7003, Res. (03712) 26 7093, Mobile: 99544 49454, Fax (03712) 26 7006, email: mkc@tezu.ernet.in, sp. inorganic chemistry; synthesis, structure & reactivity; newer reagents, methodologies & green chemical technology.
- 2003 **Chaudhuri**, Probal, b. 1963, Ph.D. (UC, Berkeley), FNA, FNASc, Professor, Theoretical Statistics & Mathematics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3414; (033) 2575 3400, Res. (033) 2558 0105, Mobile: 98317 89429, Fax (033) 2577 3071, email: probal@isical.ac.in, URL: www.isical.ac.in/~probal, sp. robust & nonparametric statistics; statistical computing; statistical methods in pattern recognition & image processing; modelling & analysis of genomic data.

Elected
Year

- 2005 **Chaudhuri**, Subhasis, b. 1963, Ph.D. (UC, San Diego), FNA, FNASc, FNAE, FIEEE, Dean (International Relations) & Institute Chair Professor, Department of Electrical Engineering, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7075; (022) 2576 7437, Res. (022) 2572 0351, Fax (022) 2572 3707, email: sc@ee.iitb.ac.in, URL: www.ee.iitb.ac.in/~sc, sp. computer vision; image processing; computational haptics.
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- 1997 **Chauhan**, Virander Singh, b. 1950, Ph.D. (Delhi), D.Phil. (Oxford), FNA, FNASc, Professor & Director, International Centre for Genetic Engineering & Biotechnology, Post Box No. 10504, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 2317; (011) 2674 1358, Res. (011) 2669 3040, Fax (011) 2674 2316, email: virander@icgeb.res.in, sp. peptide synthesis & structure; malaria immunology; malaria drug development; self-assembly nanostructures in biomolecular delivery; biomarker discovery particularly tuberculosis.
- 2011 **Chengalur**, Jayaram Narayanan, b. 1965, Ph.D. (Cornell), FNASc, Professor H, National Centre for Radio Astrophysics, Pune University Campus, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2571 9248, Res. (020) 2571 9348, Mobile: 94223 22923, Fax (020) 2569 7257, email: chengalur@ncra.tifr.res.in, sp. radio-astronomy; galaxy evolution.
- 2012 **Chhabra**, Rajendra Prasad, b. 1953, Ph.D. (Monash), FNAE, FNASc, Department of Chemical Engineering, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7393, Res. (0512) 259 8916, Mobile: 98397 41317, Fax (0512) 259 0104, email: chhabra@iitk.ac.in, sp. transport phenomena; rheology; non-newtonian fluids.
- 1974 **Chidambaram**, Rajagopala, b. 1936, Ph.D. and D.Sc. (IISc), FNA, FNASc, FTWAS, Principal Scientific Adviser to the Government of India, 318, Vigyan Bhavan Annexe, Maulana Azad Road, New Delhi 110 001, Tel. Off. (011) 2302 2112, Res. (022) 2556 1315, Fax (011) 2302 2113, email: rc@barc.gov.in; rajachid@nic.in, sp. high pressure physics; neutron crystallography; materials science; nuclear technology. **Council Service:** 1989–97, Vice-President: 1992–97.

Elected
Year

- 2009 **Chitnis**, Chetan Eknath, b. 1961, Ph.D. (UC, Berkeley), Staff Research Scientist, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. & Fax (011) 2674 1358, Res. (0124) 430 0069, Mobile: 98104 00155, email: cchitnis@icgeb.res.in, URL: www.icgeb.org/chetan-chitnis-lab.html, sp. molecular parasitology; vaccine development; malaria; molecular & cell biology.
- 1986 **Chitre**, Shashikumar Madhusudan, b. 1936, Ph.D. (Cambridge), FNA, FNASc, Res. 201, Vigyanshila, Juhu-Versova Link Road, near Seven Bungalows, Andheri (W), Mumbai 400 061, Tel. Res. (022) 2635 3812, Mobile: 98193 66447, email: kumarchitre@gmail.com, sp. solar physics; relativistic astrophysics; gravitational lenses. **Council Service**: 1995–2003; Vice-President: 1998–2003.
- 2005 **Chokshi**, Atul Harish, b. 1958, Ph.D. (USC, Los Angeles), FNA, FNASc, FNAE, Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 1480; (080) 2293 2684, Res. (080) 2848 2409, Fax (080) 2360 0472, email: achokshi@materials.iisc.ernet.in, sp. high temperature deformation & failure; ceramics; nanomaterials.
- 1980 **Chopra**, Kasturi Lal, b. 1933, Ph.D. (British Columbia), FNA, FNAE, FNASc, Res. M-70, Kirtinagar, New Delhi 110 015, Tel. (011) 2515 4114, email: choprakl@gmail.com; choprakl@yahoo.com, sp. physics & technology of thin films; nanomaterials; surface science; photovoltaics.
- 1982 **Chopra**, Virender Lal, b. 1936, Ph.D. (Edinburgh), D.Sc. (h.c.), FNA, FNASc, FNAAS, FTWAS, Res. A3-210A, Janakpuri, New Delhi 110 058, Tel. (011) 2555 3747, email: virenderchopra@yahoo.com, sp. genetics & crop improvement; plant biotechnology.
- 1992 **Choudary**, Boyapati Manoranjan, b. 1946, Ph.D. (Gujarat), FNA, Managing Director, Ogene Systems India Private Limited, 11-6-56, GSR Estates, Balanagar, Hyderabad 500 037, Tel. Off. (040) 2377 4455, Res. (040) 2355 1539, Fax (040) 2377 5566, email: bmchoudary@gmail.com, sp. homogeneous & heterogeneous catalysis; organic synthesis via organometallics; nanotechnology & nanomedicine.

Elected
Year

- 1993 **Choudhary**, Vasant Ramchandra, b. 1944, Ph.D. (Pune), FNASc, FNA, NASI Senior Scientist, Chemical Engineering Division, National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2318, Res. (020) 6526 5508, Fax (020) 2590 2612, email: vr.choudhary@ncl.res.in, sp. heterogeneous catalysis; zeolites:adsorption/catalysis; natural gas & lower alkane conversion/utilization; green chemistry/processes.
- 2010 **Choudhury**, Debajyoti, b. 1964, Ph.D. (Ahmedabad), Department of Physics & Astrophysics, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 7061, Res. (011) 2726 1536, Mobile: 92132 11830, email: debchou@physics.du.ac.in; debajyoti.choudhury@gmail.com, sp. high energy physics; cosmology.
- 2004 **Chowdhury**, Debashish, b. 1957, Ph.D. (IIT, Kanpur), FNASc, FNA, Professor, Department of Physics, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7039, Res. (0512) 259 8465, Fax (0512) 259 0914, email: debch@iitk.ac.in, URL: <http://home.iitk.ac.in/%7Edebch/index.html>, sp. statistical physics; condensed matter physics; biological physics.
- 1977 **Chowdhury**, Mihir, b. 1937, Ph.D. (Calcutta), FNA, Res. 50U, Garcha Road, Kolkata 700 019, Tel. (033) 2461 9625, sp. spectroscopy.
- 1983 **Cowsik**, Ramanath, b. 1940, Ph.D. (Bombay), FNA, FNASc, FTWAS, Foreign Assoc., US Natl. Acad. Sci., Adjunct Professor, RRI, Bangalore; Director, McDonnell Center for Space Sciences, Department of Physics, Washington University, Campus Box 1105, One Brookings Drive, St Louis, MO 63130-4899, USA, Tel. Off. (+1-314) 935 4493, Res. (+1-314) 727 5959, Fax (+1-314) 935 6219, email: cowsik@physics.wustl.edu, URL: http://physics.wustl.edu/people/cowsik_ram, sp. astrophysics; non-accelerator particle physics; experimental gravitation.
- 2007 **Dabholkar**, Atish Shripad, b. 1963, Ph.D. (Princeton), Directeur de Recherche au CNRS, Laboratoire de Physique Théorique et Hautes Energies, Université Pierre et Marie Curie Paris VI, boîte 126, T 13-14, 5 étage 4 place Jussieu 75252, Paris Cedex 05, France, Tel. Off. (+33-6) 7299 9367, email: atish@lpthe.jussieu.fr, sp. quantum gravity; superstring theory; black holes.

Elected
Year

- 1986 **Dani**, Shrikrishna Gopalrao, b. 1947, Ph.D. (Bombay), FNA, FNASc, Distinguished Professor, Department of Mathematics, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7453, Res. (022) 2576 8453, Mobile: 97572 82263, Fax (022) 2572 3480, email: sdani@math.iitb.ac.in; shrigodani@gmail.com, URL: www.math.tifr.res.in/~dani, sp. ergodic theory; dynamics; measures on Lie groups; history of mathematics. **Council Service:** 1998–2000.
- 2011 **Das**, Amita, b. 1965, Ph.D. (IIT, Kanpur), Institute for Plasma Research, Near Indira Bridge, Bhat, Gandhinagar 382 428, Tel. Off. (079) 2396 2078, Res. (02717) 23 5964, Mobile: 98795 65174, Fax (079) 2396 2277, email: amita@ipr.res.in, sp. plasma physics; turbulence; electron magnetohydrodynamics.
- 2010 **Das**, Amitava, b. 1959, Ph.D. (Jadavpur), FNASc, Senior Principal Scientist, Analytical Science Discipline, Central Salt & Marine Chemicals Research Institute, Bhavnagar 364 002, Tel. Off. (0278) 256 7760, Res. (0278) 247 0852, Mobile: 94280 51283, Fax (0278) 256 7562, email: amitava@csmcri.org, URL: www.csmcri.org, sp. molecular recognition; supramolecular chemistry & assembly; interfacial electron transfer.
- 2001 **Das**, Bhudev Chandra, b. 1948, Ph.D. (Banaras), FNASc, FAMS, FNA, Professor and Director, Dr B.R. Ambedkar Centre for Biomedical Research, University of Delhi (North Campus), Delhi 110 007, Tel. Off. (011) 2766 6259; (011) 2766 2888, Res. (0120) 427 5392, Mobile: 98105 37835, Fax (011) 2766 6248, email: director@acbr.du.ac.in; directoracbr@gmail.com, bcdas48@hotmail.com, sp. molecular oncology; molecular virology; human genetics & mutation research.
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- 2003 **Das**, Pijush Kanti, b. 1952, Ph.D. (Calcutta), FNA, FNASc, Head, Infectious Diseases and Immunology Division, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata 700 032, Tel. Off. (033) 2414 0921; (033) 2473 3491, Res. (033) 2476 9216, Mobile: 98313 41358, Fax (033) 2473 5197, email: pijushdas@iicb.res.in; pijush52@gmail.com; sp. biochemistry; cell biology; immunology.
- 2008 **Das**, Puspendu Kumar, b. 1958, Ph.D. (Columbia), Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2662, Res. (080) 2360 2223, Mobile: 94802 58065, Fax (080) 2360 1552, email: pkdas@ipc.iisc.ernet.in; pkdasipc@gmail.com, sp. physical chemistry; laser spectroscopy & dynamics; nonlinear optics.

Elected
Year

- 2010 **Das**, Samar Kumar, b. 1963, Ph.D. (IIT, Kanpur), School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2301 1007, Res. (040) 2301 0536, Mobile: 99594 25259, Fax (040) 2301 2460, email: skdsc@uohyd.ernet.in; samar439@gmail.com, sp. coordination chemistry; metal-oxide based cluster chemistry; inorganic supramolecular chemistry; dithiolene-based materials.
- 2009 **Das**, Saumitra, b. 1962, Ph.D. (Calcutta), FNASc, Professor, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2886, Res. (080) 2360 3632, Fax (080) 2360 2697, email: sdas@mcbl.iisc.ernet.in, sp. molecular virology; molecular biology; cell biology.
- 2005 **Das**, Shankar Prasad, b. 1959, Ph.D. (Chicago), Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2673 8768, Res. (011) 2612 1583, Mobile: 98996 74943, Fax (011) 2674 2580, email: shankar@mail.jnu.ac.in; spd@uchicago.edu, sp. condensed matter theory; statistical physics; complex systems.
- 1998 **Das**, Sumit Ranjan, b. 1955, Ph.D. (Chicago), Professor, Department of Physics & Astronomy, University of Kentucky, Lexington, KY 40506, USA, Tel. Off. (+1-859) 257 4686, Fax (+1-859) 323 2846, email: das@pa.uky.edu, sp. string theory; quantum aspects of black holes; gauge theories.
- 2005 **Das**, Suresh, b. 1955, Ph.D. (Newcastle), Director, National Institute for Interdisciplinary Science & Technology, Industrial Estate P.O., Thiruvananthapuram 695 019, Tel. Off. (0471) 249 0324; (0471) 249 3599, Res. (0471) 254 4309, Fax (0471) 249 1712, email: director@niist.res.in, sp. photochemistry; photoresponsive materials; liquid crystals; photosensitizing dyes; luminescent materials & photoinduced electron transfer.
- 1998 **Das Gupta**, Chanchal Kumar, b. 1945, Ph.D. (Calcutta), FNA, FNASc, INSA Senior Scientist, Department of Biotechnology, Jadavpur University, Kolkata 700 032, Mobile: 90078 89857, email: chanchaldg2000@yahoo.com, sp. genetic recombination; protein folding.

Elected
Year

- 1982 **Dasannacharya**, Balebail Anantha, b. 1937, Ph.D. (Bombay), FNA, Res. No. 4, Beach Resort CHS, Sector 10-A, Plot 1, Vashi, Navi Mumbai 400 703, Tel. (022) 2766 3957, Mobile: 98690 24550, email: adasannacharya@gmail.com, sp. neutron & X-ray spectrometry; condensed matter physics.
- 1992 **Dasgupta**, Chandan, b. 1951, Ph.D. (Pennsylvania), FNA, FNASc, FTWAS, Professor, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3278, Res. (080) 2334 5417, Fax (080) 2360 2602, email: cdgupta@physics.iisc.ernet.in, URL: www.physics.iisc.ernet.in/~cdgupta/, sp. theoretical condensed matter physics; statistical physics.
- 200 **Dasgupta**, Indranil, b. 1958, Ph.D. (JNU), FNASc, Professor, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 1639, Res. (011) 4277 8520, Mobile: 99103 34110, Fax (011) 2411 1208, email: indranil58@yahoo.co.in, sp. molecular plant-virus interactions; transgenic viral resistance in plants; genome organization in plant viruses.
- 2010 **Dasgupta**, Somnath, b. 1951, Ph.D. (Jadavpur), FNA, FNASc, FTWAS, Vice Chancellor, Assam University, Silchar 788 011, Tel. Off. (03842) 27 0801, Mobile: 94357 24527, Fax (03842) 27 0802, email: somnathdasg@gmail.com; vc@aus.ac.in, sp. metamorphic petrology; geochemistry; precambrian geology.
- 1997 **Dash**, Anadi Charan, b. 1941, Ph.D. (Utkal), Res. 14(P)/369, Gajapati Nagar, Bhubaneswar 751 005, Tel. (0674) 230 1707, Mobile: 94377 77730, email: acdash1@rediffmail.com, sp. physical inorganic chemistry.
- 1992 **Dastidar**, Pranab Rebatiranjan, b. 1933, Ph.D. (Manchester), Res. F-3, Rajkunj Co-operative Housing Society, Wadhavli, Chembur, Mumbai 400 074, Tel. (022) 2553 4498, email: pranabd2002@yahoo.co.in, sp. electronics; controls; nuclear power.
- 1975 **Datta**, Alok Kumar, b. 1946, Ph.D. (Calcutta), FNA, INSA Senior Scientist, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 5734, Res. (033) 2416 2995, Mobile: 98360 12725, Fax (033) 2473 0284, email: alokdatta@iicb.res.in; mail_alokd@yahoo.co.in, sp. nucleic acid enzymology; protein chemistry; parasitology; recombinant DNA technology.

Elected
Year

- 1992 **Datta**, Asis, b. 1944, Ph.D. & D.Sc. (Calcutta), D.S. (h.c.), FNA, FNASc, FTWAS, Professor of Eminence, National Institute for Plant Genome Research, Aruna Asaf Ali Marg, P.O. Box 10531, JNU Campus, New Delhi 110 067, Tel. Off. (011) 2674 2750; (011) 2673 5119, Res. (0124) 420 5590, Mobile: 98108 55666, Fax (011) 2674 1759; (011) 2674 1658, email: asis_datta@rediffmail.com; asis_datta@nipgr.ac.in, sp. biochemistry; molecular biology; genetic engineering.
- 2009 **Datta**, Basudeb, b. 1957, Ph.D. (ISI), Professor, Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3211, Res. (080) 2341 3118, Fax (080) 2360 0146, email: dattab@math.iisc.ernet.in, URL: <http://math.iisc.ernet.in/~dattab/>, sp. combinatorial & pl topology; combinatorial & differential geometry.
- 1997 **Datta**, Kasturi, b. 1943, Ph.D. (Calcutta), FNA, FNASc, FTWAS, DBT Distinguished Biotechnology Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4327, Res. (0124) 420 5590, Mobile: 98103 26590, Fax (011) 2674 1502, email: kdatta@mail.jnu.ac.in; datta_k@hotmail.com, sp. biochemistry; molecular & cell biology; rDNA technology & human genome function.
- 1992 **Dattagupta**, Sushanta, b. 1947, Ph.D. (St. John's Univ./Brookhaven Natl. Lab), FNA, FNASc, FTWAS, Vice Chancellor, Visva-Bharati University, Santiniketan 731 235, Tel. Off. (03463) 26 2451, Res. (03463) 26 2481, Fax (03463) 26 2672, email: vice-chancellor@visva-bharati.ac.in, sp. condensed matter physics; non-equilibrium statistical mechanics. **Council Service:** 2001–09; Vice-President: 2004–09.
- 1984 **Deb**, Bidyendu Mohan, b. 1942, D.Phil. (Oxon), FNA, FTWAS, INSA Senior Scientist, Granthana Vibhaga, Visva-Bharati, 6A, JC Bose Road, Kolkata 700 017, Tel. Res. (033) 2424 5644, Mobile: 98307 99629, Fax (033) 2587 3020, email: bmdeb@yahoo.co.in, sp. theoretical chemistry; chemical physics. **Council Service:** 1995–2000.
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- 2006 **Deb**, Kalyanmoy, b. 1962, Ph.D. (Alabama), FIEEE, FNA, FNAE, Professor, Department of Mechanical Engineering, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7205; (0512) 259 7668, Res. (0512) 259 8310, Mobile: 99362 19063, Fax (0512) 259 7408, email: deb@iitk.ac.in, URL: www.iitk.ac.in/kangal/deb.htm, sp. optimization & design; genetic algorithms; multi-objective optimization.

Elected
Year

- 1980 **Deekshatulu**, Bulusu Lakshmana, b. 1936, Ph.D. (IISc), FNA, FNASc, FIEEE (USA), FTWAS, Distinguished Fellow IDRBT, Hyderabad; Res. 10-3-123/3, East Maredpally, Secunderabad 500 026, Tel. (040) 2773 2423, Mobile: 99084 99081, email: deekshatulu@hotmail.com, sp. control systems; digital image processing; pattern recognition; remote sensing; machine learning.
- 1987 **Deepak Kumar**, b. 1946, Ph.D. (Pennsylvania), Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2673 8810, Res. (020) 427 3742, Mobile: 98100 98971, Fax (011) 2674 1537, email: dk0700@mail.jnu.ac.in; deepak1446@gmail.com, sp. condensed matter physics; statistical mechanics; quantum mechanics.
- 1976 **Deo**, Madhav Gajanan, b. 1932, M.D., Ph.D. (AIIMS), FNA, FNASc, FAMS, Res. C-13, Kubera Gulshan Apartments, D.P. Road, Aundh, Pune 411 007, Tel. Off. (020) 2544 9649, Res. (020) 2589 3128, Mobile: 99224 03266, Fax (020) 2544 9649, email: deo.madhav@gmail.com, sp. pathology; oncology; medical education.
- 1974 **Deshpande**, Suresh Madhusudhan, b. 1942, Ph.D. (IISc), FNAE, Professor, Honorary Senior Research Associate, Engineering Mechanics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2861, Res.(080) 2341 2029, Mobile: 94484 71243, Fax (080) 2208 2766, email: smd@jncasr.ac.in; desh1942@hotmail.com, URL: <http://www.jncasr.ac.in/smd/>, sp. computational fluid dynamics; meshfree methods; data assimilation.
- 1993 **Desiraju**, Gautam Radhakrishna, b. 1952, Ph.D. (Illinois), FNA, FNASc, FTWAS, Professor, Solid State Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3311, Fax (080) 2360 2306, email: desiraju@sscu.iisc.ernet.in, sp. structural chemistry; crystal engineering; X-ray crystallography.
- 2006 **Dev**, Bhupendra Nath, b. 1953, Ph.D. (SUNY, Albany), FNASc, Senior Professor, Department of Materials Science, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1200, Res. (033) 2334 5258, Mobile: 94338 47131, Fax (033) 2473 2805, email: msbnd@iacs.res.in, sp. surface & nanoscale physics; X-ray physics; ion-solid interactions.

Elected
Year

- 2008 **Dey**, Gautam Kumar, b. 1957, Ph.D. (Banaras), FNAE, Professor, Homi Bhabha National Institute, Mumbai; Outstanding Scientist and Head, Materials Science Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, Tel. Off. (022) 2559 5063, Res. (022) 2550 2075, Mobile: 99201 97258, Fax (022) 2550 5151, email: gkdey@barc.gov.in; gautam_k_dey@yahoo.com, sp. phase transformations in metals & alloys; electron microscopy; metallic glasses & nanocrystalline materials.
- 2012 **Dey**, Subhasish, b. 1958, Ph.D. (IIT, Kharagpur), FNAE, FNASc, Department of Civil Engineering, Indian Institute of Technology, Kharagpur 721 302, Tel. Off. (03222) 28 3418, Res. (03222) 28 3419, Mobile: 94347 13850, Fax (03222) 28 2254, email: sdey@iitkgp.ac.in, URL: <http://www.facweb.iitkgp.ernet.in/~sdey/>, sp. fluid mechanics; hydraulics; sediment transport.
- 2012 **Dhar**, Abhishek, b. 1970, Ph.D. (Bombay), International Centre for Theoretical Sciences, TIFR Centre Building, Indian Institute of Science Campus, Bangalore 560 012, Tel. Off. (080) 2360 8200/25, Res. (080) 2345 4205, Mobile: 99160 31718, Fax (080) 2361 0492, email: dabhi@rri.res.in, sp. nonequilibrium statistical physics; condensed matter physics: transport theory; mathematical physics.
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- 1990 **Dhar**, Deepak, b. 1951, Ph.D. (Caltech), FNA, FNASc, FTWAS, Professor, Theoretical Physics Group, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2427, Res. (022) 2280 4835, Fax (022) 2280 4610, email: ddhar@theory.tifr.res.in, sp. statistical physics; stochastic processes.
- 1993 **Dharmalingam**, Kupparamuthu, b. 1949, Ph.D. (MKU), FNASc, DBT Distinguished Biotechnology Research Professor, School of Biotechnology, Madurai Kamaraj University, Madurai 625 021, Tel. Off. (0452) 245 9115; (0452) 245 9280, Res. (0452) 245 9636, Mobile: 94431 48447, Fax (0452) 245 9105, email: dharmalingam.k@gmail.com, sp. molecular genetics; genetic engineering; biotechnology.
- 2009 **Dhavale**, Dilip Dattatray, b. 1956, Ph.D. (Pune), FNASc, Professor and Head, Department of Chemistry, University of Pune, Pune 411 007, Tel. Off. (020) 2569 1727, Res.(020) 2588 4172, Mobile: 94225 21594, Fax (020) 2569 1728, email: ddd@chem.unipune.ac.in, dilipdhavale56@gmail.com, sp. synthesis of natural products; carbohydrate chemistry; photochemistry; reaction mechanism; medicinal chemistry.

Elected
Year

- 2002 **Dhurandhar**, Sanjeev Vishnu, b. 1951, Ph.D. (Bombay), FNASc, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Res. (020) 2569 4234, email: sanjeev@iucaa.ernet.in, sp. gravitational waves; general relativity; theoretical astrophysics.
- 2013 **Dighe**, Amol, b. 1970, Ph.D. (Chicago), Professor, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400 005, Tel. Off. (022) 2278 2423, Res. (022) 2280 4699, Mobile: 99673 96593, Fax (022) 2278 2777, email: amol@theory.tifr.res.in, URL: <http://theory.tifr.res.in/~amol/>, sp. particle physics phenomenology, astroparticle physics.
- 2010 **Dighe**, Rajan Ramakant, b. 1951, Ph.D. (IISc), FNASc, FNA, Professor, Department of Molecular Reproduction, Development & Genetics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3261; (080) 2293 2660, Res. (080) 2366 3313, Mobile: 99019 03513, Fax (080) 2360 0999, email: rdighe@mrdg.iisc.ernet.in, sp. molecular endocrinology; reproductive biology; biochemistry.
- 2000 **Dikshit**, Madhu, b. 1957, Ph.D. (Kanpur), FNASc, FNA, Head, Pharmacology Division, Central Drug Research Institute, Post Box 173, Lucknow 226 001, Tel. Off. (0522) 262 5036, Res. (0522) 232 6618, Mobile: 94151 11766, Fax (0522) 262 3405; (0522) 226 6618, email: madhudikshit@yahoo.com; madhu_dikshit@cdri.res.in, sp. cardiovascular pharmacology; molecular pharmacology; oxidative/nitrosative stress; neutrophils & nitric oxide synthase.
- 1999 **Dileep Kumar**, Maripi, b. 1954, Ph.D. (Andhra), FNA, FNASc, Scientist, Chemical Oceanography Division, National Institute of Oceanography, Dona Paula 403 004, Tel. Off. (0832) 245 0398, Res. (0832) 244 6657, Fax (0832) 245 6702-03, email: dileep@nio.org; dileep542003@yahoo.co.in, sp. control of seawater composition; biogeochemical cycles; global change & chemical oceanography.
- 1974 **Dua-Sharma**, Sushil, b. 1926, MD (AIIMS), Ph.D. (Panjab), FAMS, Res. 503, 6th A Main, 12th Cross, HIG Colony, RMV II Stage, Bangalore 560 094, Tel. (080) 2341 4004, Mobile: 99863 39224, email: sduasharma@yahoo.co.in, sp. neurophysiology; reproductive biology; nutrition.

Elected
Year

- 2012 **Durga Prasad**, Mallampalli, b. 1956, Ph.D. (Calcutta), School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4855, Res. (040) 2756 4164, Mobile: 94411 38784, Fax (040) 2301 2460, email: mdpsc@uohyd.ernet.in, sp. theoretical chemistry; molecular vibrations.
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- 2012 **Dutta**, Pradip, b. 1960, Ph.D. (Columbia), FNAE, Department of Mechanical Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3225, Res. (080) 2699 3249, Mobile: 98450 10520, Fax (080) 2360 4536, email: pradip@mecheng.iisc.ernet.in, sp. heat transfer; energy studies.
- 2010 **Dutta-Gupta**, Aparna, b. 1953, Ph.D. (Banaras), FNA, FNASc, Department of Animal Sciences, School of Life Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2301 0052; (040) 2313 4560, Res. (040) 2301 0348, Mobile: 93910 74729, Fax (040) 2301 0145, email: apdgsl@uohyd.ernet.in; aparnaduttagupta@gmail.com, sp. insect physiology & biochemistry; invertebrate endocrinology & physiology; comparative physiology & endocrinology.
- 1988 **Dutta Roy**, Suhash Chandra, b. 1937, D.Phil. (Calcutta), FNA, FNAE, FNASc, INSA Honorary Scientist, Res. 164, SFS (DDA) Apartments, Hauz Khas, New Delhi 110 016, Tel. (011) 2696 3054, Mobile: 98714 70136, email: s.c.dutta.roy@gmail.com, sp. signal processing; network theory; electronic circuits.
- 1986 **Easwaran**, Kalpathy Ramaier Katchap, b. 1939, Ph.D. (IISc), FNA, Emeritus Professor and INSA Honorary Scientist, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Res. (080) 2341 5221, Mobile: 99866 22397, email: krke@mbu.iisc.ernet.in; krk_easwaran@yahoo.com, sp. structural biology; membrane biophysics; molecular biophysics.
- 1990 **Gadagkar**, Raghavendra, b. 1953, Ph.D. (IISc), FNA, FNASc, FTWAS, FIAE, Foreign Assoc., US Natl. Acad. Sci., Chairman, Centre for Contemporary Studies, Professor, Centre for Ecological Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 1429; (080) 2293 2340, Res. (080) 2360 1758, Fax (080) 2360 1429, email: ragh@ces.iisc.ernet.in, URL: <http://ces.iisc.ernet.in/hpg/ragh>, sp. animal behaviour; ecology; evolution. **Council Service:** 1995–2003; Secretary: 1995–2000.

Elected
Year

- 1979 **Gadgil**, Madhav Dhananjaya, b. 1942, Ph.D. (Harvard), FNA, FNASc, FTWAS, Foreign Assoc., US Natl. Acad. Sci., Emeritus Professor, Biodiversity Department, Garware College, Karve Road, Pune 411 004, Tel. Off. (020) 4103 8236, Res. (020) 2589 3424, Mobile: 98811 53413, Fax (020) 4103 8233, email: madhav.gadgil@gmail.com, sp. ecology; environmental management & traditional knowledge systems; ecological history. **Council Service:** 1983–85; Secretary: 1983–85.
- 1985 **Gadgil**, Sulochana, b. 1944, Ph.D. (Harvard), FNA, FNASc, A-18, Spring Flowers, Panchavati, Pashan, Pune 411 008, Tel. (020) 2589 3424, email: sulugadgil@gmail.com, sp. meteorology; oceanography; evolutionary biology.
- 1991 **Gadre**, Shridhar Ramchandra, b. 1950, Ph.D. (IIT, Kanpur), FNA, Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. & Fax (0512) 259 6706, Res. (0512) 259 8256, Mobile: 99606 24664, email: gadre@iitk.ac.in, sp. quantum chemistry; computer applications.
- 1974 **Gaitonde**, Bhikaji Balwant, b. 1926, MD (Mumbai), FAMS, Res. Banda District, Sindhudurg 416 511, Tel. (02363) 27 0272, email: bbgaitonde@yahoo.com, sp. communicable diseases; clinical pharmacology; indigenous drugs.
- 2010 **Galande**, Sanjeev, b. 1967, Ph.D. (IISc), Professor, Centre of Excellence in Epigenetics, Indian Institute of Science Education and Research, Sixth Floor, First Tower, Sai Trinity Building, Garware Circle, Sutarwadi, Pashan, Pune 411 021, Tel. Off. (020) 2590 8060, Res. (020) 2553 9664, Mobile: 99233 63737, Fax (020) 2586 5315, email: sanjeev@iiserpune.ac.in, URL: <http://www.iiserpune.ac.in/~sanjeev/>, sp. epigenetics; chromatin biology; gene regulation; genomics & proteomics.
- 240
- 1990 **Gandhi**, Kandukuri Sivananda, b. 1942, Ph.D. (UC, Berkeley), Honorary Professor, Department of Chemical Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2320, Fax (080) 2360 8121, email: gandhi@chemeng.iisc.ernet.in, URL: <http://chemeng.iisc.ernet.in/gandhi/home.html>, sp. batteries and fuel cells; multiphase fluid systems; polymer reaction engineering.

Elected
Year

- 1993 **Ganesh**, Krishnarajanagar Nagappa, b. 1953, Ph.D. (Delhi & Cambridge), FNA, FNASc, FTWAS, Professor and Director, Indian Institute of Science Education & Research, Dr Homi Bhabha Road, Pune 411 008, Tel. Off. (020) 2590 8009; (020) 2590 8006, Res. (020) 2586 1698, Fax (020) 2586 5315, email: kn.ganesh@iiserpune.ac.in, sp. bio-organic chemistry; biomolecular spectroscopy; chemistry & biology of nucleic acids; peptides & lipids. **Council Service:** 2013–.
- 1992 **Ganeshiah**, Kotiganahalli Narayanagowda, b. 1953, Ph.D. (UAS, Bangalore), FNA, FNAAS, Professor & Head, Department of Forestry & Environmental Sciences, and School of Ecology & Conservation, University of Agricultural Sciences, GKVK, Bangalore 560 065, Tel. Off. (080) 2363 6276; (080) 2333 0153/356, Res. (080) 2363 6412, Mobile: 93421 60639, Fax (080) 2353 0070, email: knganeshiah@gmail.com, sp. plant evolutionary biology; plant genetics & breeding; foraging ecology of ants; biodiversity & conservation; bio-resource databases.
- 1996 **Gangal**, Sharad Vishwanath, b. 1937, Ph.D. (Bombay), FNASc, Director, Institute of Environmental Medicine, Kasturba Hospital, Mumbai; Res. Lakshmi Niwas, opp. Santoshi Mata Temple, (B-Cabin), Sane Guruji Path, Naupada, Thane 400 602, Tel. (022) 2537 6961, Mobile: 93249 24307, email: sharadvgangal@hotmail.com, sp. allergy; immunology; biochemistry.
- 1990 **Gangal**, Sudha Gajanan, b. 1934, Ph.D. (Bombay), FNA, Emeritus Professor, Rajiv Gandhi Institute of Biotechnology, Pune; Res. 4, Mahavishnu Apartments, Dahanukar Colony A, Kothrud, Pune 411 029, Tel. (020) 2538 4382; (022) 2659 2387, Mobile: 98223 80902, email: sudha.gangal@yahoo.in, sp. cancer & basic immunology; cell biology; genetic diseases. **Council Service:** 1995–97.
- 2010 **Ganguli**, Ashok Kumar, b. 1961, Ph.D. (IISc), FNASc, Director, Institute of Nanoscience & Technology, Mohali; Professor, Department of Chemistry, Indian Institute of Technology, New Delhi 110 016, Tel. Off. (011) 2659 1511, Res. (011) 2659 1654, Mobile: 98104 64112, Fax (011) 2685 4715, email: ashok@chemistry.iitd.ac.in, URL: <http://web.iitd.ac.in/~ashokganguli/>, sp. micro-emulsions; nanostructured materials and devices; photo- & electro catalysis; complex metal oxides; superconducting materials.

Elected
Year

- 1992 **Ganguli**, Som Nath, b. 1940, Ph.D. (Bombay), Res. Flat No. 6, Aspiration Apartments, 32, Francois Martin Street, Kuruchikuppam, Pondicherry 605 012, Tel. (0413) 234 4643, email: som_ganguli@yahoo.co.in, sp. high energy particle physics.
- 1994 **Ganguly**, Chaitanyamoy, b. 1946, Ph.D. (Calcutta), FNA, FNAE, FNASc, Res. 402-403, Galaxy Towers, 7/101/1, Scientists' Colony, Habsiguda, Hyderabad 500 007, Tel. (040) 4240 7532; (040) 2715 0562, Mobile: 80082 22016, Fax (040) 4240 7889, email: chm_ganguly@yahoo.com, sp. uranium, plutonium & thorium fuels; nuclear fuel cycle; advanced ceramics; powder metallurgy.
- 1995 **Ganguly**, Nirmal Kumar, b. 1941, MD (PGI, Chandigarh), D.Sc. (h.c.), FAMS, FNA, FNASc, FRC Path., (London), FTWAS, President, JIPMER, Pondicherry; Distinguished Biotechnology Research Professor, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1501, Res. (0172) 268 7172, Mobile: 98115 04314, email: nkganguly@nii.ac.in; gangulynk41@yahoo.co.in, sp. microbiology; immunology; biotechnology; public health.
- 1994 **Ganguly**, Parthasarathy, b. 1942, Ph.D. (Madras), Res. Flat 8B, Montvert I, 140/1A, Pashan Sus, Pashan, Pune 411 021, Tel. (020) 2587 0631, email: patchug@gmail.com, sp. atom-bond transition and insulator-metal transition.
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- 1985 **Gaur**, Vinod Kumar, b. 1936, Ph.D. (London), FNA, FNASc, FTWAS, Honorary Professor, Indian Institute of Astrophysics, Sarjapur Road, Koramangala, Bangalore 560 034, Tel. Off. (080) 2505 1931; (080) 2254 1229, Res. (080) 2343 7410, Fax (080) 2553 4019, email: vgaur@iiap.res.in; gaur@cmmacs.ernet.in, sp. seismotectonics; geophysical inversion; earth system sciences. **Council Service:** 1992–97; Editor of Publications: 1995–97.
- 2003 **Gavai**, Rajiv Vasantryao, b. 1954, Ph.D. (Bombay), FNA, Senior Professor and Chair, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2430, Res. (022) 2280 4585, Fax (022) 2280 4610–1, email: gavai@tifr.res.in, URL: <http://theory.tifr.res.in/~gavai>, sp. high energy physics; quantum field theory; lattice field theories; quark-gluon plasma; relativistic heavy ion collisions & early universe.

Elected
Year

- 1973 **George**, Manapurathu Verghese, b. 1928, Ph.D. (Agra), FNA, FTWAS, JNCASR Honorary Professor, Photosciences & Photonics Division, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram 695 019, Tel. Off. (0471) 249 0392, Res. (0471) 243 6452, Fax (0471) 249 0186, email: mvgeorge@rediffmail.com, sp. organic photochemistry; laser chemistry. **Council Service:** 1977–79.
- 2008 **George Thomas**, Kakkudiyil, b. 1961, Ph.D. (Kerala), Dean (Academics & Administration) and Professor, School of Chemistry, Indian Institute of Science Education and Research, College of Engineering, Trivandrum Campus, Thiruvananthapuram 695 016, Tel. Off. (0471) 259 7425, Res. (0471) 254 2245, Mobile: 98473 56057, Fax (0471) 259 7442, email: kgt@iisertvm.ac.in, sp. photochemistry & photophysics; nanostructured materials; photoresponsive materials.
- 1976 **Gharda**, Keki Hormusji, b. 1929, Ph.D. (Michigan), Chairman and Managing Director, Gharda Chemicals Limited, Gharda House, 5th Floor (next to ELCO Shopping Centre), 48, Hill Road, Bandra West, Mumbai 400 050, Tel. Off. (022) 3306 5638, Fax (022) 3306 5699, sp. process design of organic chemical plants.
- 2000 **Ghosh**, Amit, b. 1944, Ph.D. (Calcutta), FNA, FNASc, NASI Platinum Jubilee Senior Scientist, National Institute of Cholera & Enteric Diseases, JICA Building, P-33, CIT Scheme XM, Beliaghata, Kolkata 700 010, Tel. Off. (033) 2353 7470, Res. (033) 2442 4248; (033) 2442 1440, Mobile: 94336 92858, Fax (033) 2370 5066, email: amitghosh24@yahoo.com, sp. molecular biology of *V. cholerae*.
- 1998 **Ghosh**, Amitabha, b. 1941, Ph.D. (Calcutta), D.Sc. (h.c.), FNA, FNASc, FNAE, NASI Senior Scientist, Bengal Engineering & Science University, Shibpur, P.O. Botanic Garden, Howrah 711 103, Tel. Off. (033) 2668 0521/441, Res. (033) 2668 2424, Fax (033) 2668 2916, email: amitabha@iitk.ac.in; amitabhaitk@gmail.com, sp. manufacturing science; machine dynamics & mechanisms; robotics; classical mechanics.
- 2009 **Ghosh**, Aswini, b. 1953, Ph.D. (Jadavpur), Senior Professor, Department of Solid State Physics, Indian Association for the Cultivation of Science, 2A & 2B, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1314, Res. (033) 2425 8642, Mobile: 90073 57514, Fax (033) 2473 2805, email: sspag@iacs.res.in, URL: www.iacs.res.in/ssp/sspag/, sp. condensed matter & materials physics; disorder & nanomaterials; broadband dielectric spectroscopy.

Elected
Year

- 2010 **Ghosh**, Balaram, b. 1955, Ph.D. (Calcutta), FNA, FNASc, JC Bose National Fellow, Head, Genomics & Molecular Medicine, Institute of Genomics & Integrative Biology, Mall Road, Delhi 110 007, Tel. Off. (011) 2766 2580, Res. (011) 2786 0108, Mobile: 98713 86414, Fax (011) 2766 4771, email: bghosh@igib.res.in, sp. immunology; genomics; gene regulation.
- 2013 **Ghosh**, Hirendra Nath, b. 1966, Ph.D. (Mumbai), FNASc, Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai 400 085, Tel. Off. (022) 2559 0300, Res. (022) 2550 7917, Mobile: 99201 65111, Fax (022) 2550 5151, email: hnghosh@barc.gov.in; hnghosh2004@yahoo.com, sp. radiation & photochemistry; quantum dot & nanomaterials; ultrafast spectroscopy in condense phase.
- 260
- 1990 **Ghosh**, Jayanta Kumar, b. 1937, Ph.D. (Calcutta), FNA, FNASc, Professor-Emeritus, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 3401, Res. (033) 2486 1681, email: jkg@isical.ac.in; jayantag1@gmail.com, sp. Bayesian mathematical statistics.
- 2000 **Ghosh**, Mrinal Kanti, b. 1956, Ph.D. (IISc), FNASc, Professor, Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3210, Res. (080) 2331 1380, Fax (080) 2360 0683, email: mkg@math.iisc.ernet.in, sp. stochastic control; stochastic differential games; stochastic finance.
- 2010 **Ghosh**, Pushpito Kumar, b. 1954, Ph.D. (Princeton), Director, Central Salt & Marine Chemicals Research Institute, G.B. Marg, Bhavnagar 364 002, Tel. Off. (0278) 256 9496, Res. (0278) 256 2610, Mobile: 94267 31115, Fax (0278) 256 7562, email: pkgghosh@csmcrici.org, sp. redox processes, colloid & emulsion science; process research; R&D management.
- 1998 **Ghosh**, Subir Kumar, b. 1953, Ph.D. (Bombay), Professor, School of Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2546, Res. (022) 2280 4563, Fax (022) 2280 4610, email: ghosh@tifr.res.in, URL: www.tcs.tifr.res.in/~ghosh/, sp. computational geometry & applications; graph algorithms; robot motion planning; geometric graph theory.

Elected
Year

- 1998 **Ghosh**, Subrata, b. 1950, Ph.D. (Calcutta), FNA, Senior Professor, Department of Organic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1402, Res. (033) 2425 9763; (033) 6450 2315, Mobile: 98304 50170, Fax (033) 2473 2805, email: ocs@iacs.res.in; ocs2004@yahoo.co.in, sp. cycloaddition reactions; total synthesis of natural products.
- 1991 **Ghosh**, Swapan Kumar, b. 1949, Ph.D. (IIT, Bombay), FNA, FNASc, FTWAS, Head, Theoretical Chemistry Section, Chemistry Group, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, Tel. Off. (022) 2559 5092, Res. (022) 2557 8411, Mobile: 92229 89108, Fax (022) 2550 5151, email: skghosh@barc.gov.in; swapankghosh@gmail.com, sp. theoretical chemistry; computational materials science; soft condensed matter physics.
- 2006 **Ghosh**, Swarna Kanti, b. 1955, Ph.D. (Bombay), FNASc, Senior Professor and Centre Director, National Centre for Radio Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2569 6105; (020) 2571 9000, Res. (020) 2569 1632, Mobile: 95455 14645, Fax (020) 2569 7257, email: swarna@ncra.tifr.res.in, sp. infrared astronomy; interstellar medium; astronomical instrumentation.
- 1992 **Godbole**, Rohini Madhusudan, b. 1952, Ph.D. (SUNY, Stony Brook), FNA, FNASc, FTWAS, JC Bose Fellow, Professor, Centre for High Energy Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2845; (080) 2360 7798, Res. (080) 2360 8357, Mobile: 94481 18357, Fax (080) 2360 0683, email: rohini@cts.iisc.ernet.in; godbolerm@gmail.com, sp. elementary particle physics; field theory; phenomenology.
- 1994 **Godwal**, Budhiram Kulanand, b. 1946, Ph.D. (Bombay), FNASc, Res. 28, Creekview Co-operative Housing Society, Plot No. 33, Sector 9A, Vashi, Navi Mumbai 400 703, Tel. (022) 2780 1211, email: bkgodwal@yahoo.com, sp. high pressure physics; electron states; dense plasma physics.
- 1992 **Goel**, Prem Shanker, b. 1947, Ph.D. (Bangalore), FNAE, FNASc, FNA, FTWAS, Prof. MGK Menon DRDO Chair, Research Centre Imarat (RCI), Vignyana Kancha P.O., Hyderabad 500 069, Tel. Off. (040) 2430 6316, Res. (040) 2430 6395, Mobile: 73826 18774, email: dr.psgoel@gmail.com; ps.goel@rcilab.in sp. satellite control systems; space technology; earth systems.

Elected
Year

- 2007 **Gokhale**, Rajesh Sudhir, b. 1967, Ph.D. (IISc), Director, Institute of Genomics & Integrative Biology, Delhi University Campus, Mall Road, Delhi 110 007, Tel. Off. (011) 2766 2407; (011) 2766 7298, Res. (011) 2674 1198, Fax (011) 2766 7471, email: rsg@igib.res.in, sp. chemical biology; mycobacterium tuberculosis, small molecule metabolism; skin biology.
- 2009 **Gopakumar**, Rajesh, b. 1967, Ph.D. (Princeton), FNA, Professor, Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Allahabad 211 019, Tel. Off. (0532) 227 4370, Res. (0532) 256 7732, Fax (0532) 256 7748, email: gopakumr@hri.res.in, sp. theoretical physics; primarily quantum field theory; string theory.
- 2013 **Gopal**, Balasubramanian, b. 1970, Ph.D. (IISc), Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3219, Res. (080) 2360 2838, Mobile: 98804 50577, Fax (080) 2360 0535, email: bgopal@mbu.iisc.ernet.in, URL: <http://mbu.iisc.ernet.in/~bggrp/>, sp. structural biology; molecular microbiology; molecular biophysics.
- 1993 **Gopal Krishna**, b. 1948, Ph.D. (Bombay), FNA, FNASc, Senior Professor, National Centre for Radio Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2571 9240, Res. (020) 2569 8773, Fax (020) 2569 2149, email: krishna@ncra.tifr.res.in, sp. astronomy; active galaxies; observational cosmology.
- 1988 **Gopalakrishnan**, Jagannatha, b. 1944, Ph.D. (IISc), FNA, FNASc, INSA Senior Scientist, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2537, Res. (080) 2334 5163, Fax (080) 2360 1310, email: gopal@sscu.iisc.ernet.in, sp. solid state chemistry; synthesis & structure; chemistry of oxide materials.
- 2013 **Gopalakrishnan**, Srinivasan, b. 1960, Ph.D. (Purdue), FNAE, Department of Aerospace Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3019, Res. (080) 2360 4551, Fax (080) 2360 0134, Mobile: 99805 42142, email: krishnan@aero.iisc.ernet.in, URL: <http://www.aero.iisc.ernet.in/krishnan>, sp. wave propagation; structural health monitoring; computational mechanics.
- 1964 **Gopalan**, Coluthur, b. 1918, MD (Madras), Ph.D. & D.Sc. (London), D.Sc. (h.c.), FRCP (Edinburgh & London), FNA, FAMS, FRS, Res. 39 (New No. 70), Landons Road, Kilpauk, Chennai 600 010, Tel. (044) 4285 8842, email: malini_seshadri@vsnl.net, sp. nutrition; medical research. **Council Service:** 1968–70, 1977–79.

Elected
Year

- 1983 **Gopalan**, Kunchithapadam, b. 1938, Ph.D. (IISc), FNA, FNASc, INSA Honorary Scientist, National Geophysical Research Institute, Uppal Road, Hyderabad 500 606, Tel. Off. (040) 2343 4665, Res. (040) 2720 4108, Fax (040) 2717 1564, email: gopalan1@rediffmail.com; kgopalan@ngri.res.in, sp. geo- & cosmo-chronology; isotope geology; mass spectrometry.
- 2011 **Gopidas**, Karical Raman, b. 1957, Ph.D. (IIT, Kanpur), Scientist, Photosciences and Photonics Section, Chemical Sciences & Technology Division, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram 695 019, Tel. Off. (0471) 251 5390, Res. (0471) 249 0537, Mobile: 94465 20537, Fax (0471) 249 1712, email: gopidaskr@rediffmail.com, sp. photo-chemistry; photoinduced electron transfer; supramolecular chemistry.
- 2011 **Gopinath**, Chinnakonda Subramanian, b. 1964, Ph.D. (IIT, Madras), Scientist, Catalysis Division and Centre of Excellence on Surface Science, National Chemical Laboratory, Dr Homi Bhabha Road, Pune 411 008, Tel. Off. (020) 2590 2043, Res. (020) 2589 8875, Mobile: 94220 31060, Fax (020) 2590 2633, email: cs.gopinath@ncl.res.in, sp. surface science; heterogeneous catalysis; spectroscopy.
- 280
- 1992 **Gopinath**, Gomathy, b. 1940, MS (AIIMS), FAMS, FNASc, Res. Flat No. 1, Kanchanjunga Apartments, 122/2 Nagavara-palya, C.V. Raman Nagar P.O, Bangalore 560 093, Tel. (080) 2524 7584, Mobile: 98453 38134, Fax (080) 2524 7817, email: gomathy.gopinath@gmail.com; gomathyg@hotmail.com, sp. developmental neurobiology; environment & neural plasticity; neural transplantation.
- 1987 **Gopinathan**, Karumathil Puthanveetil, b. 1939, Ph.D. (IISc), FNA, FNASc, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore; Res. Abhiman, 369, 11th Cross, II Block, R.T. Nagar, Bangalore 560 032, Tel. Off. (080) 2360 0090, Res. (080) 2333 3861, Mobile: 97314 40030, Fax (080) 2360 2697, email: kpg@mcbl.iisc.ernet.in, sp. molecular biology; recombinant DNA & genetic engineering; molecular virology; biotechnology & developmental biology.
- 1988 **Gopinathan**, Melethil Sankaran, b. 1942, Ph.D. (IIT, Kanpur), FNA, Professor, Indian Institute of Science Education & Research, CET Campus, Thiruvananthapuram 695 016, Tel. Off. (0471) 259 7428, Res. (0471) 236 5743, Mobile: 98952 70289, email: msgopinathan@gmail.com, sp. quantum chemistry; nonlinear dynamics in chemistry & biology.

Elected
Year

- 1997 **Gore**, Anil Purushottam, b. 1947, Ph.D. (Kentucky), Res. Bakul, 40, Empress Garden Society, Sopan Baug, Pune 411 001, Mobile: 94235 33339, email: goreanil@gmail.com; gore_anil@yahoo.com, sp. non-parametric inference & statistical ecology.
- 1996 **Goswami**, Bhupendra Nath, b. 1950, Ph.D. (Gujarat), FNA, FNASc, FTWAS, Director, Indian Institute of Tropical Meteorology, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2586 5143, Res. (020) 2586 5236, Fax (020) 2389 3825, email: goswami@tropmet.res.in, URL: <http://www.tropmet.res.in/~bng/index.html>, sp. tropical meteorology; monsoon dynamics; predictability of weather & climate; air-sea interactions. **Council Service:** 2010–12.
- 1992 **Goswami**, Jitendra Nath, b. 1950, Ph.D. (Gujarat), FNA, FNASc, FTWAS, Director, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2630 8550; (079) 2631 4855, Res. (079) 2630 1527, Fax (079) 2630 0374, email: goswami@prl.res.in, URL: www.prl.res.in, sp. solar system studies, planetary exploration; pre-solar (stellar) processes; geochronology. **Council Service:** 2004–09.
- 2008 **Goswami**, Ravinder, b. 1963, MD (Maulana Azad), D.M. (AIIMS), FNASc, Associate Professor, Department of Endocrinology & Metabolism, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 4272, Res. (011) 2658 9837, Mobile: 98181 30879, Fax (011) 2658 8641, email: gosravinder@hotmail.com, sp. autoimmune endocrine disorders; sporadic idiopathic hypoparathyroidism; metabolic bone disorders in India.
- 2004 **Goswami**, Sreebrata, b. 1956, Ph.D. (Jadavpur), FNA, Professor, Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1356, Res. (033) 2541 6361, Fax (033) 2473 2805, email: icsg@iacs.res.in, sp. inorganic chemistry; chemical reactions with metal mediation; functional materials.
- 1978 **Govil**, Girjesh, b. 1940, Ph.D. (Bombay), FNA, FNASc, FTWAS, INSA Golden Jubilee Research Professor, Department of Chemical Sciences, TIFR, Mumbai; Res. 302, Vigyanshila, Juhu-Versova Link Road, 7, Bungalows, Mumbai 400 061, Tel. Off. (022) 2278 2371, Res. (022) 2635 1251, Mobile: 98675 74613, Fax (022) 2280 4610, email: govil@tifr.res.in, sp. molecular biophysics.

Elected
Year

- 2010 **Govindarajan**, Rama, b. 1962, Ph.D. (IISc), TIFR Centre for Interdisciplinary Sciences, 21, Brundavan Colony, Narsingi, Hyderabad 500 075 (on lien from JNCASR, Bangalore), Tel. Off. (040) 2419 5009, Mobile: 93423 07948, email: rama@tifrh.res.in, URL: <http://www.tifrh.res.in/tcis>, sp. fluid mechanics.
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- 1985 **Gowariker**, Vasant Ranchhod, b. 1933, Ph.D. (Birmingham), D.Sc. (h.c.), FNASc, Hon. FNAE, Res. I-101, Vanaraji Heights, Rambaug Colony, Near MIT College, Kothrud, Pune 411 038, Tel. Off. & Fax (020) 2567 8759; (020) 2567 5126, Res. (020) 2542 3244; (020) 2544 1122, Mobile: 93710 06989, email: encyclopediaoffice@gmail.com; vasant.gowariker@gmail.com, sp. propellant & rocket technology; heat, mass & momentum transfer phenomena; sugar technology; meteorology & monsoon forecast; chemical fertilizers.
- 1992 **Gowrishankar**, Jayaraman, b. 1956, Ph.D. (Melbourne), FNA, FNASc, Director, Centre for DNA Fingerprinting & Diagnostics, Building 7, Gruhakalpa, 5-4-399/B, Nampally, Hyderabad 500 001, Tel. Off. (040) 2474 9445-46, Res. (040) 2352 3959, Fax (040) 2474 9448, email: director@cdfd.org.in; lbg@cdfd.org.in, sp. microbial & molecular genetics.
- 2007 **Grover**, Anil, b. 1958, Ph.D. (IARI), FNA, FNASc, FNAAS, Professor, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 7693; (011) 2411 5097, Res. (011) 2599 1887, Mobile: 98716 18167, Fax (011) 2411 5270, email: anil.anilgrover@gmail.com; agrover@south.du.ac.in, sp. plant abiotic stress responses; plant biotechnology & molecular biology; crop science.
- 1997 **Grover**, Arun Kumar, b. 1951, Ph.D. (Bombay), FNASc, Vice Chancellor, Panjab University, Chandigarh 160 014, Tel. Off. (0172) 254 1945, Res. (0172) 254 1428, Fax (0172) 254 1022, email: akgrover@pu.ac.in, vc@pu.ac.in, sp. magnetism & superconductivity; zero-magnetization systems and applications in spintronics; vortex state studies in superconductors; strongly correlated systems.
- 1994 **Gupta**, Alok Krishna, b. 1942, Ph.D. (Pittsburgh), FNA, FNASc, AEC-Raja Ramanna Fellow, Emeritus Professor, National Centre of Experimental Mineralogy & Petrology, University of Allahabad, Allahabad 211 002, Tel. Off. 89348 26301, Res. (0532) 254 0549, Mobile: 93051 35062, email: alok.krishna.gupta@gmail.com, sp. experimental petrology; mineralogy; geochemistry; thermodynamics.

Elected
Year

- 2008 **Gupta, Anil Kumar**, b. 1960, Ph.D. (Banaras), FNASc, FNA, FTWAS, Director, Wadia Institute of Himalayan Geology, 33, General Mahadeo Singh Road, Dehra Dun 248 001, Tel. Off. (0135) 252 5101; (0135) 262 7942, Res. (0135) 252 5622, Mobile: 81266 61820, Fax (0135) 262 5212, email: anilg@wihg.res.in; director@wihg.res.in, sp. paleomonsoon; paleoclimatology; paleoceanography.
- 1987 **Gupta, Chhitar Mal**, b. 1944, Ph.D. (Agra), FNA, FNASc, FAMS, FTWAS, Res. BS 10/1, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow 226 021, Tel. (0522) 232 1625, email: cm44gupta@gmail.com; drcmg@rediffmail.com, sp. membrane biology; bio-organic chemistry; molecular biophysics & molecular cell biology. **Council Service:** 1998–2000.
- 1989 **Gupta, Laxmi Chand**, b. 1938, Ph.D. (Bombay), FNA, FNASc, FTWAS, Res. No. 403, Vigyanashila Co-operative Housing Society, Juhu-Versova Link Road, Andheri West, Mumbai 400 061, Tel. (022) 2631 4555, email: lcgupta@tifr.res.in; lcgupta38@yahoo.com, sp. superconductivity & magnetism in quaternary borocarbides; NMR/NQR/Mu-SR; valence fluctuations and heavy fermion phenomena.
- 2007 **Gupta, Pradeep Kumar**, b. 1954, Ph.D. (Heriot Watt), FNASc, Senior Professor, HBNI; Distinguished Scientist and Head, Laser Biomedical Applications & Instrumentation Division, Raja Ramanna Centre for Advanced Technology, Indore 452 013, Tel. Off. (0731) 248 8432, Res. (0731) 232 0325, Fax (0731) 248 8425, email: pkgupta@rrcat.gov.in, sp. lasers; biomedical applications of lasers; nonlinear optics, laser materials.
- 1989 **Gupta, Pushpendra Kumar**, b. 1936, Ph.D. (Manitoba), FNA, FNASc, FNAAS, Honorary Emeritus Professor & NASI Senior Scientist, Department of Genetics & Plant Breeding, CCS University, Meerut 250 004, Tel. Off. & Fax (0121) 276 8195, Res. (0121) 276 2505, Mobile: 94116 19105, email: pkgupta36@gmail.com; pkgupta36@hotmail.com, sp. cytogenetics; genetics & plant breeding; crop biotechnology.

Elected
Year

- 1987 **Gupta, Santosh Kumar**, b. 1946, Ph.D. (Pennsylvania), FNASc, FNAE, Distinguished Professor, Department of Chemical Engineering, University of Petroleum and Energy Studies, Energy Acres, P.O. Bidholi (via Prem Nagar), Dehradun 248 007, Tel. Off. (0135) 277 6091/361, Mobile: 95542 72320, Fax (0135) 277 6090, email: skgupta@ddn.upes.ac.in; skgupta@iitk.ac.in, URL: <http://www.iitk.ac.in/che/skg.htm>, sp. polymer engineering & science; bio-mimetic adaptations of multi-objective evolutionary algorithms; experimental on-line optimal control.
- 1999 **Gupta, Satish Kumar**, b. 1953, Ph.D. (AIIMS), FNA, FNASc, FAMS, Deputy Director & Chief, Reproductive Cell Biology Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1249, Res. (011) 2674 2180, Mobile: 98109 66357, Fax (011) 2674 2125, email: skgupta@nii.ac.in; sp. reproductive immunology; vaccines; antibody engineering.
- 2011 **Gupta, Sourendu**, b. 1959, Ph.D. (Bombay), FNA, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2245, Res. (022) 2278 3245, Fax (022) 2278 2777, email: sgupta@theory.tifr.res.in; sourendu@tifr.res.in, sp. particle physics; lattice field theory.
- 2008 **Gupta, Yashwant**, b. 1962, Ph.D. (UC, San Diego), FNASc, Dean (GMRT Observatory) and Senior Professor, National Centre for Radio Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2571 9000; (020) 2571 9242, Res. (020) 2571 9342, Mobile: 98810 61930, Fax (020) 2569 7257, email: ygupta@ncra.tifr.res.in, sp. astronomy & astrophysics; radio astronomy instrumentation; signal processing.
- 1987 **Guptasarma, Dharmajit**, b. 1932, M.Sc. (Calcutta), FNA, Res. 203, Kakatiya Apartments, Street No. 2, Habshiguda, Hyderabad 500 007, Tel. (040) 2715 2062, Mobile: 94412 70692, Fax (040) 2717 1564, email: dguptasarma@gmail.com, sp. radiophysics & electronics; exploration geophysics.
- 1996 **Gurjar, Mukund Keshao**, b. 1952, Ph.D. (Nagpur & London), FNASc, Director (R&D) & Chief Scientific Officer, Emcure Pharmaceuticals Limited, P1, ITBT Park, Phase II, MIDC, Hinjwadi, Pune 411 057, Tel. Off. (020) 3982 1350, Res. (020) 2588 7674, Mobile: 93250 00010, Fax (020) 3982 1445, email: mukund.gurjar@emcure.co.in, URL: <http://www.emcure.co.in>, sp. organic chemistry; carbohydrate chemistry; synthetic organic chemistry.

Elected
Year

- 1996 **Gurtu, Atul**, b. 1946, Ph.D. (Panjab), Distinguished Professor, King Abdulaziz University, PO Box 80200, Jeddah 21589, Saudi Arabia, email: atul.gurtu@gmail.com, sp. experimental high energy physics.
- 2006 **Guru Row**, Tayur Narasingarao, b. 1951, Ph.D. (IISc), Professor, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2796, Res. (080) 2652 6423, Mobile: 98805 09225, Fax (080) 2360 1310, email: ssctng@sscu.iisc.ernet.in, sp. chemical crystallography; intermolecular interactions; polymorphism & drug design.
- 2010 **Haider**, Syed Aftab, b. 1958, Ph.D. (Banaras), FNA, Professor, Space & Atmospheric Science Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4555, Res. (079) 2682 5302, Mobile: 96627 96464, Fax (079) 2631 4659, email: haider@prl.res.in, URL: <http://www.prl.res.in/~haider>, sp. planetary atmospheres; ionosphere of Mars; magnetosphere of Mars.
- 1982 **Hans-Gill**, Rajinder Jeet, b. 1943, Ph.D. (Ohio), FNA, FNASc, FTWAS, Emeritus Professor, INSA Senior Scientist, Department of Mathematics, Panjab University, Chandigarh 160 014, Tel. Off. & Fax (0172) 254 1132, (0172) 253 4512, Res. (0172) 262 4837, Mobile: 98153 45850, email: hansgill@pu.ac.in; hansgillrj@yahoo.co.in, sp. number theory; geometry of numbers; discrete geometry.
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- 1972 **Hariharan**, Parameswaran, b. 1926, Ph.D. (Kerala), D.Sc. (h.c., Sydney), FNA, Res. 608, Baron Dekalb Road, Wayne, PA 19087, USA, Tel. (+1-610) 341 0389, email: hariharan_optics@hotmail.com, sp. optics.
- 2011 **Haritsa**, Jayant Ramaswamy, b. 1964, Ph.D. (Wisconsin), FNAE, FNASc, Senior Professor, Supercomputer Education and Research Centre, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2793, Res. (080) 2657 8609, Mobile: 94490 15894, Fax (080) 2360 2648, email: jharitsa@gmail.com, sp. database systems; data mining; real-time systems.
- 1988 **Harjit Singh**, b. 1938, Ph.D. (Panjab), FNA, FNASc, Emeritus Professor, Department of Chemistry, Guru Nanak Dev University, Amritsar 143 005, Tel. Off. (0183) 225 8802-09/3194, Mobile: 94656 70668, Fax (0183) 225 8820, email: harjit_gndu@yahoo.co.in, sp. organic synthesis & heterocycles.

Elected
Year

- 2006 **Hasan**, Gaiti, b. 1956, Ph.D. (Cambridge), FNA, Senior Professor, National Centre for Biological Sciences, GKVK Campus, Bangalore 560 065, Tel. Off. (080) 2366 6140, Res. (080) 2361 3640, Fax (080) 2363 6462, email: gaiti@ncbs.res.in, URL: www.ncbs.res.in/gaiti/groups_gaiti.htm, sp. molecular genetics; drosophila; calcium signalling in neurons; inositol triphosphate receptor.
- 1995 **Hasnain**, Seyed Ehtesham, b. 1954, Ph.D. (JNU), D.Sc. (h.c.), D.Med.Sc. (h.c.), FNA, FNASc, FTWAS, Professor, Kusuma School of Biological Sciences, Indian Institute of Technology, Hauz Khas, New Delhi 110 016, Tel. Off. and Fax (011) 2658 1481, Res. (011) 2658 1377, email: sehiitd@gmail.com, URL: <http://www.seyedeasnain.org>, sp. functional biology; molecular pathogenesis & dissemination dynamics of human pathogens; *M. tuberculosis*.
Council Service: 2004–06.
- 1997 **Hegde**, Manjanath Subraya, b. 1945, Ph.D. (IIT, Kanpur), CSIR Emeritus Scientist, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2614, Res. (080) 2341 4573, Fax (080) 2360 1310, email: mshegde@sscu.iisc.ernet.in, sp. X-ray photoelectron spectroscopy; solid state chemistry; nanomaterials; automotive exhaust catalysis.
- 1994 **Hosur**, Ramakrishna Vijayacharya, b. 1953, Ph.D. (Bombay), FNA, FNASc, FTWAS, Director, UM-DAE Centre for Excellence in Basic Sciences, Health Centre Building, University of Mumbai, Kalina Campus, Santa Cruz East, Mumbai 400 098, Tel. Off. (022) 2652 4983, Fax (022) 2652 4982; Senior Professor, Department of Chemical Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2488, Res. (022) 2280 4635, Mobile: 99870 51556, Fax (022) 2280 4610–1, email: hosur@tifr.res.in; hosur53@gmail.com, URL: www.tifr.res.in/~hosur, sp. structural biology; NMR spectroscopy; protein folding.
- 1991 **Ila**, Hiriyaikkanavar, b. 1944, Ph.D. (IIT, Kanpur), FNA, INSA Senior Scientist, Honorary Professor, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064; Res. Apt. 002, Block VIII, Heritage Estate, Yelahanka, Bangalore 560 064, Tel. Off. (080) 2208 2714, Res. (080) 2366 4357, Mobile: 99019 96421, email: hila@jncasr.ac.in; hila@iitk.ac.in, sp. synthetic organic chemistry; heterocyclic chemistry; medicinal chemistry.

Elected
Year

- 1988 **Indira Nath**, b. 1938, MD (AIIMS), FRC Path., D.Sc. (h.c.), FNA, FNASc, FTWAS, FAMS, Raja Ramanna Fellow, Emeritus Professor, Institute of Pathology (ICMR), Safdarjung Hospital Campus, New Delhi 110 029; Res. 707, Sarvapriya Apartments, Sarvapriya Vihar, New Delhi 110 016, Tel. Off. (011) 2610 0754, Res. (011) 2651 7707, Mobile: 97171 04448, email: indiranath@gmail.com, sp. immunology; leprosy & pathology. **Council Service:** 1992–94, 1998–2006; Vice-President: 2001–2003.
- 2010 **Indrayan**, Abhaya, b. 1945, Ph.D. (Ohio State), FAMS, Res. A037, Telecom City, B9/6, Sector 62, Noida 201 309, Tel. (0120) 240 0396, Mobile: 98103 15030, email: a.indrayan@gmail.com, URL: <http://indrayan.weebly.com>, sp. biostatistics; medical statistics; medical research methodology.
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- 1995 **Iqbal**, Javed, b. 1949, Ph.D. (Delhi), FNA, Executive Director, Dr Reddy's Institute of Life Sciences, University of Hyderabad Campus, Gachibowli, Hyderabad 500 046, Tel. Off. (040) 6657 1571; (040) 6657 1500, Res. (040) 2419 3132, Mobile: 98497 99444, Fax (040) 6657 1581, email: javediqbaldrf@hotmail.com; jiqbal@ilsresearch.org, URL: www.ilsresearch.org, sp. medicinal chemistry; drug design & discovery; organometallic chemistry; catalysis.
- 1975 **Irani**, Jamshed Jiji, b. 1936, D.Met, F.Eng, Ph.D. (Sheffield), FNAE, No. 7, Beldih Lake, Northern Town, Jamshedpur 831 001, email: jjirani@tata.com, sp. iron & steel making.
- 1990 **Iyengar**, Rangachar Narayana, b. 1943, Ph.D. (IISc), FNASc, FNAE, FGSI, Director, Centre for Disaster Mitigation, Jain University, Bangalore-Kanakapura Road, Jakkasandra Post, Bangalore 562 112, Tel. Off. (080) 2757 7203, Res. (080) 2671 1119, Mobile: 98800 30082, Fax (080) 2757 7199, email: rn.iyengar@jainuniversity.ac.in; aareni@yahoo.com, URL: <http://sites.google.com/site/cdmjainuniversity/>; <http://civil.iisc.ernet.in/~rni/>, sp. structural dynamics; earthquake engineering; applied stochastic; rainfall studies; history of science.
- 2013 **Iyer**, Jaya Naganathan, b. 1970, Ph.D. (Mumbai), Professor G, Mathematics Group, Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3306, Mobile: 86952 85166, Fax (044) 2254 1586, email: jniyer@imsc.res.in; ji_chennai2003@yahoo.com, URL: <https://sites.google.com/site/homepagejniyer/>, sp. algebraic geometry.

Elected
Year

- 1989 **Jacob**, Kallarackel Thomas, b. 1944, Ph.D. (London), D.Sc. (Eng.) (London), FNA, FNASc, FNAE, INAE Distinguished Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off.(080) 2293 2494, Res. (080) 2525 2765, Fax (080) 2360 0472, Mobile: 98454 79865, email: katob@materials.iisc.ernet.in, URL: <http://materials.iisc.ernet.in/faculty/ktj.html>, sp. thermodynamics of materials; phase equilibria; materials extraction & synthesis; solid state sensors; fuel cells and electrolyzers; high-temperature corrosion.
- 1976 **Jacob**, Thazhuthaveetil Mathai, b. 1927, Ph.D. (Madras), FNA, Res. 51, 10th Cross, II Stage, West of Chord Road, Bangalore 560 086, Tel. (080) 2349 2759, sp. synthetic organic chemistry; molecular biology; immunology.
- 1988 **Jacob John**, Thekkekara, b. 1935, Ph.D. (Madras), FRCP (Edinburgh), FNA, FNASc, Res. 439, Civil Supplies Godown Lane, Kamalakshipuram, Vellore 632 002, Tel. (0416) 226 7364, email: vlr_tjjohn@sancharnet.in; tjacobjohn@yahoo.co.in, sp. infectious diseases & virology.
- 2002 **Jagannathan**, Naranamangalam Raghunathan, b. 1954, Ph.D. (Madras), FNASc, FAMS, Professor & Head, Department of NMR & MRI Facility, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3253; (011) 2658 8533, Res. (011) 2659 4537, Mobile: 99682 92772, Fax (011) 2658 8663, email: nrjgj@yahoo.co.in; jagan1954@hotmail.com, sp. clinical and pre-clinical cancer research using molecular imaging; magnetic resonance imaging (MRI) & in-vivo NMR spectroscopy applications in humans & animal systems; functional MR studies; metabolomics.
- 1974 **Jagannathan**, Venkataraman, b. 1921, Ph.D. (Stanford), FNA, FNASc, Res. F-1, Kumar Classics, Aundh, Pune 411 007, Tel. (020) 2588 1959, email: hema1440@gmail.com, sp. biochemistry; plant tissue culture.
- 2013 **Jagirdar**, Balaji Rao, b. 1965, Ph.D. (Kansas State), Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2825, Res. (080) 2360 2578, Mobile: 96325 22161, Fax (080) 2360 1552, email: jagirdar@ipc.iisc.ernet.in, URL: <http://ipc.iisc.ernet.in/jagirdar.html>, sp. organometallic chemistry; materials chemistry; catalysis.

Elected
Year

- 1979 **Jain**, Dharam Vir Singh, b. 1933, Ph.D. (USC, LA), FNA, FNASc, Professor Emeritus, Department of Chemistry, Panjab University; Res. 1529, Sector 49-B, Pushpac Enclave, Chandigarh 160 047, Tel. Off. (0172) 253 4415, Res. (0172) 263 2568, email: dvsjain@yahoo.com; dvsjain@pu.ac.in, sp. physical chemistry; theoretical chemistry.
- 1975 **Jain**, Hari Krishan, b. 1930, Ph.D. (Wales), FNA, FNASc, Res. 40, Surya Niketan, Indraprastha Extension, Delhi 110 092, Tel. (011) 2237 3451, email: hkj2008@gmail.com, sp. genetics; plant breeding.
- 2007 **Jain**, Sanjay, b. 1960, Ph.D. (TIFR), Professor, Department of Physics & Astrophysics, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 7725/1342, Res. (011) 2245 6389, Mobile: 98731 20534, Fax (011) 2766 7061, email: jain@physics.du.ac.in; jain_physics@yahoo.co.in, URL: <http://people.du.ac.in/~jain/>, sp. mathematical modelling of complex systems; structure, dynamics & evolution of biological & social networks; computational & systems biology.
- 1993 **Jairajpuri**, Mohammad Shamim, b. 1942, Ph.D. & D.Sc. (Aligarh), FNA, FNASc, FNAAS, FTWAS, INSA Honorary Scientist, Department of Zoology, Aligarh Muslim University, Aligarh 202 002, Tel. Off. (0571) 270 0920–4/3435, Mobile: 94122 73202, email: msjairajpuri@gmail.com, sp. nematology/helminthology/parasitology; biological diversity; plant protection & biological control.
- 1997 **Jameel**, Shahid, b. 1957, Ph.D. (Washington State), FNA, FNASc, Group Leader, Virology Group, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 2357, Res. (011) 2684 0631, Fax (011) 2674 2316, email: shahid@icgeb.res.in; shahid.jameel@lycos.com, sp. molecular biology; molecular virology.
- 2001 **Jayakrishnan**, Athipettah, b. 1953, Ph.D. (IIT, Chennai), Vice-Chancellor, University of Kerala, Thiruvananthapuram 695 034, Tel. Off. (0471) 230 6634, Res. (0471) 235 3309, Mobile: 99467 92226, Fax (0471) 230 2898, email: drjk.sct@gmail.com; ajk@iitm.ac.in, URL: www.biotech.iitm.ac.in/faculty/jayak.htm, sp. polymer chemistry; biomaterials; controlled drug delivery.

Elected
Year

- 1996 **Jayannavar**, Arun Mallojirao, b. 1956, Ph.D. (IISc), FNA, FNASc, Director, Institute of Physics, Sachivalaya Marg, Bhubaneswar 751 005, Tel. Off. (0674) 230 1825, Res. (0674) 230 1367, Mobile: 99372 03925, Fax (0674) 230 0142, email: jayan@iopb.res.in, sp. condensed matter physics; stochastic processes & their applications to physical problems; classical & quantum transport problems in random media; physics of mesoscopic systems.
- 2003 **Jayaram**, Vikram, b. 1956, Ph.D. (Stanford), FNASc, FNAE, FNA, FACerS, Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3243; (080) 2293 2263, Res. (080) 2337 5110, Fax (080) 2360 0472, email: qjayaram@materials.iisc.ernet.in, URL: <http://materials.iisc.ernet.in/~qjayaram/>, sp. ceramics; thin films; electron microscopy; mechanical properties.
- 2006 **Jayaraman**, Achuthan, b. 1957, Ph.D. (Gujarat), Director, National Atmospheric Research Laboratory, Post Box No. 123, Tirupati 517 502, Tel. Off. (08585) 27 2001, Res. (0877) 224 8099, Mobile: 98481 31468, email: jayaraman@narl.gov.in, sp. atmospheric science; aerosols; radiative transfer.
- 1955 **Jayaraman**, Aiyasami, b. 1926, Ph.D. (Madras), Res. No. 15906, Lahinch Circle, Odessa, Florida 33556, USA, Tel. (+1-813) 920 8061, email: aiyasami.jayaraman@gmail.com, sp. high pressure physics.
- 340 **Council Service**: 1956–61; Treasurer: 1956–61.
- 2011 **Jayaraman**, Narayanaswamy, b. 1964, Ph.D. (IIT, Kanpur), Professor, Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2578, Res. (080) 2357 0147, Mobile: 94484 63637, Fax (080) 2360 0529, email: jayaraman@orgchem.iisc.ernet.in, sp. carbohydrate chemistry; dendrimer chemistry; synthetic organic chemistry.
- 1989 **Jayaraman**, Ramamirtha, b. 1937, Ph.D. (Tufts), FNA, Res. RH 35, Palaami Enclave, Reserve Line, New Natham Road, Madurai 625 014, Tel. (0452) 264 2474, email: arjay007@rediffmail.com; ramjayaraman37@yahoo.com, sp. molecular biology; molecular genetics.
- 1992 **Jemmis**, Eluvathingal Devassy, b. 1951, Ph.D. (Princeton), FNA, FNASc, FTWAS, Director, Indian Institute of Science Education & Research, CET Campus, Thiruvananthapuram 695 016, Tel. Off. (0471) 259 7421; Lab. (IISc) (080) 2293 3348, Res. (0471) 234 2407, Mobile: 98950 24000, Fax (0471) 259 7442; (0471) 259 7438, email: jemmis@iisertvm.ac.in; jemmis@gmail.com, sp. theoretical & computational chemistry. **Council Service**: 2001–03.

Elected
Year

- 1975 **Jena**, Prafulla Kumar, b. 1931, Ph.D. (Utkal), Chairman, Institute of Advance Technology & Environmental Studies; President, National Resource Development Foundation, Plot No. 80A–81A, Lewis Road, Bhubaneswar 751 002, Tel. Off. (0674) 243 0243, Res. & Fax (0674) 243 0363, email: prof.pkjena_iates@yahoo.com; iates_bbsr@yahoo.co.in, sp. extractive metallurgy; mineral processing; environmental engineering; physical chemistry and materials processing.
- 1974 **Jha**, Sudhanshu Shekhar, b. 1940, Ph.D. (Stanford), FNA, FNASc, FTWAS, Res. 402 Vigyanshila, Juhu-Versova Link Road, Seven Bungalows, Andheri (W), Mumbai 400 061, Tel. (022) 2632 7413, email: ss_jhain@hotmail.com, sp. solid state theory; quantum computing; photonics. **Council Service:** 1989–94; Vice-President: 1989–91.
- 2007 **Jhunjhunwala**, Ashok, b. 1953, Ph.D. (Maine), FNA, FNASc, FNAE, Professor, Department of Electrical Engineering, Indian Institute of Technology, Chennai 600 036, Tel. Off. & Fax (044) 2257 0120; (044) 2257 4408, Res. (044) 2257 0202, Mobile: 98400 16781, email: ashok@tenet.res.in, sp. telecommunications; computer networks; fibre optics.
- 2007 **Jog**, Chanda Jayant, b. 1954, Ph.D. (SUNY, Stony Brook), FNASc, FNA, Professor, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3285; (080) 2360 7703, Res. (080) 2334 2340, Fax (080) 2360 2602, email: cjjog@physics.iisc.ernet.in, sp. galactic dynamics; interacting & star burst galaxies; interstellar molecular clouds.
- 1995 **John**, Pucadyil Ittoop, b. 1941, Ph.D. (Aligarh), Emeritus Professor, Institute for Plasma Research, Bhat, Gandhinagar 382 428; 7C Skyline Hillview, Kanjikuzhy, Kottayam 686 004, Mobile: 85890 72431, email: john.pucadyil@gmail.com, sp. plasma physics; intense particle beams; industrial applications of plasma.
- 1983 **Johri**, Man Mohan, b. 1940, Ph.D. (Delhi), FNA, Res. Flat No. 32, New Cosmos, Juhu-Versova Link Road, Andheri (W), Mumbai 400 053, Tel. (022) 2670 3270, Mobile: 99305 64129, email: mjohri06915@yahoo.co.in, sp. plant biochemistry; molecular biology of plants; genetic engineering.

Elected
Year

- 1988 **Joseph, George**, b. 1938, Ph.D. (Bombay), FNASc, FNAE, Hon. Distinguished Professor, Space Applications Centre; Res. 12/D1, Sterling City, Bopal, Ahmedabad 380 058, Tel. Off. (079) 2691 3348, Res. (02717) 23 1535, Mobile: 99782 88287, Fax (079) 2691 5843, email: georgejoseph1938@hotmail.com, sp. electro-optics; space instrumentation; remote sensing.
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- 2005 **Joseph, Kayyunnappara Thomas**, b. 1956, Ph.D. (New York), FNA, Professor, Centre for Applicable Mathematics, Tata Institute of Fundamental Research, PB No. 6503, Sharadanagar, Bangalore 560 065, Tel. Off. (080) 6695 3718, Res. (080) 2349 3576, Fax (080) 6695 3799, email: ktj@math.tifrbng.res.in, sp. hyperbolic systems of conservation laws; boundary layers & parabolic partial differential equations; Burgers equation & mass distribution of large scale structures; delta shocks & Hamilton Jacobi equations.
- 2001 **Joshi, Amitabh**, b. 1965, Ph.D. (Washington State), FNASc, FNA, Professor, Evolutionary & Organismal Biology Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2802–3, Mobile: 93413 54233, Fax (080) 2208 2766–7, email: ajoshi@jncasr.ac.in, URL: www.jncasr.ac.in/eobu/ajoshi/, sp. population & quantitative genetics; evolutionary genetics; population ecology.
- 1975 **Joshi, Balawant Shankar**, b. 1924, Ph.D. (Tech.) (Mumbai), Sc.D. (Cantab), FNA, Res. 1738, Kinsmon Cove, Mariette, Georgia 30062, USA, Tel. (+1-770) 649 7137, Mobile: (+1-706) 549 2885, email: balawant.joshi@gmail.com, sp. chemistry of natural products; ethnobotany; ayurvedic medicines.
- 1991 **Joshi, Jyeshtharaj Bhalchandra**, b. 1949, Ph.D. (Tech.) (Mumbai), FNA, FTWAS, DAE Homi Bhabha Distinguished Chair Professor, Homi Bhabha National Institute, Anushakti Nagar, Mumbai 400 094, Tel. Off. (022) 2559 7625; JC Bose Fellow, Institute of Chemical Technology, Matunga, Mumbai 400 019, Tel. Off. (022) 3361 2106, Res. (022) 2411 5448, Mobile: 98693 48132, Fax (022) 3361 1020, email: jb.joshi@ictmumbai.edu.in; jbjoshi@gmail.com, URL: http://www.ictmumbai.edu.in/Fac_FacDetails.aspx?fidno=19, sp. chemical engineering; fluid mechanics; reactor design; absorption of NO_x gases & solar energy.
- 1992 **Joshi, Niranjana Vasudeo**, b. 1951, Ph.D. (IISc), Associate Professor, Centre for Ecological Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0985; (080) 2293 2506, Fax (080) 2360 1428, email: nvjoshi@ces.iisc.ernet.in, sp. mathematical modelling in biology mainly in ecology & evolution.

Elected
Year

- 1974 **Joshi**, Shri Krishna, b. 1935, D.Phil. (Allahabad), FNA, FNASc, FTWAS, Honorary JNCASR Vikram Sarabhai Professor, National Physical Laboratory, Dr KS Krishnan Road, New Delhi 110 012, Tel. Off. (011) 4560 9363, Res. (0124) 238 3700, Mobile: 98993 33258, Fax (011) 4560 9358, email: skjoshi@mail.nplindia.ernet.in; skjoshinpl@gmail.com, sp. solid state physics; atomic & molecular collisions. **Council Service:** 1989–91, Vice-President: 1989–91.
- 1996 **Joshi**, Anjan Sidhvantlal, b. 1950, Ph.D. (Bombay), FNA, FNASc, Senior Professor, Outstanding Scientist, Theory Group, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4453, Res. (079) 3047 1752, Fax (079) 2631 4460, email: anjan@prl.res.in, sp. theoretical high energy physics.
- 1989 **Junjappa**, Hiriyakkanavar, b. 1936, Ph.D. (Karnatak), FNA, INSA Senior Scientist & Research Professor, Reva Institute of Science and Management, Yelahanka, Bangalore 560 064; Res. Flat 002, Block 8, Heritage Estate, Doddaballapur Road, Yelahanka, Bangalore 560 064, Tel. Res. 2366 4357, Mobile: 98453 72078, email: junjappa_123@rediffmail.com, sp. synthetic & mechanistic organic chemistry.
- 1995 **Kailas**, Swaminathan, b. 1949, Ph.D. (Bombay), FNA, Director, Physics Group, Bhabha Atomic Research Centre, Mumbai 400 085, Tel. Off. (022) 2559 3883; (022) 2559 3885, Res. (022) 2551 2291, Fax (022) 2550 5151, email: kailas@barc.gov.in, sp. nuclear optical model; giant resonances; heavy ion-induced fission/fusion; accelerator-based multidisciplinary science.
- 1998 **Kakodkar**, Anil, b. 1943, B.E. (Mumbai), M.Sc. (Nottingham), D.Sc. (h.c.), FNASc, FNAE, DAE Homi Bhabha Chair Professor, Bhabha Atomic Research Centre, Mumbai 400 085; Res. Flat No. 1104, Building No. 5, Accolade Co-op. Housing Society, Hajuri Dargah Road, Behind Jeevan Chintamani Building (LIC), Thane (W), Mumbai 400 604, Tel. Off. (022) 2550 5210, Res. (022) 2582 8899, Fax (022) 2550 5110, email: kakodkaranil@gmail.com; kakodkar@barc.gov.in, sp. structural mechanics; nuclear engineering.
- 360
- 1984 **Kalam**, Avul Pakir Jainulabdeen Abdul, b. 1931, DMIT (Aero. Engg., Madras), D.Sc. (h.c.), D.Engg. (h.c.), FNASc, Res. 10, Rajaji Marg, New Delhi 110 011, Tel. (011) 2569 4280, email: apj@abdukkalam.com, sp. composite materials technology; rocket technology.

Elected
Year

- 1969 **Kalyanaraman**, Subramanian, b. 1934, MS (Neuro), FRCS & Ph.D. (Edinburgh), Senior Consultant Neurosurgeon, Apollo Hospitals, Chennai; Res. 2, Central Street, Kilpauk Garden Colony, Chennai 600 010, Tel. Off. (044) 2644 2667, Res. (044) 2644 3112, Mobile: 98840 70469, Fax (044) 4278 3781, email: manidr@hotmail.com, sp. neurosurgery.
- 1974 **Kamal**, Aditya Kumar, b. 1927, Dr. Ing. (Paris), 18, Crystal Circle, Burlington, MA 01803, USA, Tel. Off. (+1-781) 890 3330/235, Res. (+1-781) 272 6315, Fax (+1-781) 890 5189, email: akk@arcon.com, kaditya1@gmail.com, sp. air traffic control; surveillance; automation; IFF; mode S; GPS.
- 1998 **Kamra**, Adarsh Kumar, b. 1944, Ph.D. (Roorkee), FNA, FIMS, INSA Senior Scientist, Indian Institute of Tropical Meteorology, Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 4281; (020) 2590 4200, Res. (020) 2588 7270, Mobile: 97645 36103, Fax (020) 2586 5142, email: kamra@tropmet.res.in, sp. atmospheric electricity; cloud physics; aerosol physics.
- 2011 **Kang**, Gagandeep, b. 1962, Ph.D. (CMC, Vellore), FRC Path. (London), Professor of Microbiology, The Wellcome Trust Research Laboratory, Department of Gastrointestinal Sciences, Christian Medical College, Vellore 632 004, Tel. Off. (0416) 228 2052, Res. (0416) 228 4266, Mobile: 98940 70266, Fax (0416) 228 2486, email: gkang@cmcvellore.ac.in, sp. enteric virology; vaccines.
- 1999 **Kanhere**, Dilip Govind, b. 1950, Ph.D. (IIT, Kanpur), Professor, Department of Physics, Central University of Rajasthan, Kishangarh 305 802, Tel. Off. (01463) 23 8588, Mobile: 75972 78983, 94210 06705, email: dgkanhere@gmail.com, URL: <http://physics.unipune.ac.in/~kanhere>, sp. condensed matter theory; computational physics; strongly correlated systems; density functional theory.
- 1984 **Kannan**, Kazhiur Kothandapani, b. 1939, Ph.D. (IISc), FNA, Res. F-206, Redwood, Raheja Residency, III Block, Koramangala, Bangalore 560 034, Tel. (080) 2550 5829, Mobile: 87627 80061, email: kannan_99@yahoo.com, sp. X-ray & macromolecular crystallography; macromolecular computer graphics.
- 1992 **Kannan**, Varadachariar, b. 1946, Ph.D. (MKU), FNA, Professor, School of Mathematics and Computer/Information Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4001, Res. (040) 2301 0702, Mobile: 99491 93737, Fax (040) 2301 1469, email: vksm@uohyd.ernet.in, URL: <http://mathstat.uohyd.ernet.in/faculty/kannan/>, sp. analysis & topology.

Elected
Year

- 2004 **Kant**, Tarun, b. 1946, Ph.D. (IIT, Bombay), FNA, FNAE, FNASc, Institute Chair Professor, Department of Civil Engineering, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7310; (022) 2576 7301, Res. (022) 2577 1090, Mobile: 99691 64646, Fax (022) 2576 7302, email: tkant@civil.iitb.ac.in, URL: www.civil.iitb.ac.in/~tkant, sp. solid & structural mechanics; finite element methods; mechanics of composite materials & structures.
- 1974 **Kapoor**, Shyam Sunder, b. 1938, Ph.D. (Bombay), FNA, FNASc, Res. A/3, Banganga, Govandi Station Road, Deonar, Mumbai 400 088, Tel. (022) 2550 4301, Mobile: 93235 04942, email: kapoorss2002@yahoo.co.in, sp. nuclear physics; nuclear radiation detectors; accelerator-based research, development & applications in nuclear energy.
- 370
- 1988 **Kapur**, Prakash Chand, b. 1935, Ph.D (UC, Berkeley), FNAE, Foreign Assoc. US Natl Acad. Eng., Emeritus Professor, IIT(K); Res. R-485, New Rajinder Nagar, New Delhi 110 060, Tel. (011) 2874 2645, Mobile: 98108 16383, email: pck@vsnl.com; pckapur@gmail.com, sp. mineral processing; particulate science & technology; mathematical modelling & waste management.
- 1994 **Karandikar**, Rajeeva Laxman, b. 1956, Ph.D. (ISI, Calcutta), FNA, Director, Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri, Kelambakkam, Chennai 603 103, Tel. Off. (044) 6748 0906; (044) 3298 3441, Mobile: 81448 13296, Fax (044) 2747 0225, email: rkarandikar@gmail.com; rlk@cmi.ac.in, sp. stochastic calculus; stochastic finance; stochastic filtering theory; Markov processes; Monte Carlo techniques.
- 2008 **Karanth**, Ullas Kota, b. 1948, Ph.D. (Mangalore), Director, Centre for Wildlife Studies, 403, Seebo Apartments, 26-2, Aga Abbas Ali Road, Bangalore 560 042, Tel. Off. & Res. (080) 2671 5364, Fax (080) 2671 5255, email: ukarant@wcs.org; ukarant@gmail.com, sp. carnivore ecology; animal population analysis; conservation biology; conservation policy.
- 1995 **Kartha**, Chandrasekharan Cheranellore, b. 1951, MD (AIIMS), FNASc, FIC (Path.), FAMS, FIACSc, Professor of Eminence, Disease Biology & Molecular Medicine, Rajiv Gandhi Centre for Biotechnology, Poojappura, Thiruvananthapuram 695 014, Tel. Off. (0471) 252 9448, Res. (0471) 243 4108, Mobile: 99472 64108, Fax (0471) 252 9505, email: cckartha@rgcb.res.in; cckartha@gmail.com, sp. cardiovascular pathology & cardiovascular biology; cell-based therapies. **Council Service:** 2007–09.

Elected
Year

- 1990 **Kartha**, Vasudevan Bhaskaran, b. 1934, Ph.D. (Bombay), FNA, Res. 21, Udayagiri, Opp. Telecom Factory, Sion-Trombay Road, Deonar, Mumbai 400 088, Tel. (022) 2556 4908, Mobile: 92228 43690, email: sbkartha@hotmail.com; bhasikartha@gmail.com, sp. atomic, molecular & laser spectroscopy; synchrotron spectroscopy; application of lasers in medicine & biochemistry.
- 2005 **Kasbekar**, Durgadas Prabhakar, b. 1956, Ph.D. (SUNY, Stony Brook), Haldane Chair, Centre for DNA Fingerprinting and Diagnostics, Nampally, Hyderabad 500 001, Tel. Off. (040) 2474 9401, Res. (040) 2717 3903, Fax (040) 2474 9448, email: kas@cdfd.org.in, sp. neurospora and dictyostelium genetics; sterol reductases.
- 1976 **Kasturi**, Tirumalai Rangachar, b. 1931, D.Sc. (IISc), Ph.D. (Bombay), FNA, Res. 237, Senator Place Cincinnati, OH 45220 USA, Mobile: 51382 71015, sp. synthetic, structural & mechanistic organic chemistry; spectroscopy.
- 1986 **Kasturirangan**, Krishnaswamy, b. 1940, Ph.D. (Gujarat), FNA, FNASc, FNAE, FTWAS, Member (Science), Planning Commission, 119, Yojana Bhavan, Parliament Street, New Delhi 110 001, Tel. Off. (011) 2309 6568, Fax (011) 2309 6569, email: k.rangan@nic.in; krangank@gmail.com, sp. high energy astronomy; satellite technology. **Council Service:** 1995–2006, Vice-President: 1998–2000, President: 2001–03.
- 2007 **Katoch**, Vishwa Mohan, b. 1953, MD (AIIMS), FNASc, FNA, FAMS, Secretary, Department of Health Research & Director General, Indian Council of Medical Research, Ramalingaswamy Bhavan, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2658 8204; (011) 2658 9620, Res. (011) 2649 8214, Mobile: 94122 62721, Fax (011) 2658 8662, email: secydrh@icmr.org.in; dg@icmr.org.in, sp. molecular biology & functional genomics of mycobacteria; taxonomy & epidemiology of mycobacterial diseases. **Council Service:** 2010–12.
- 1993 **Kaul**, Romesh Kumar, b. 1952, Ph.D. (Delhi), FNA, Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3317, Res. (044) 2445 3508, Mobile: 94449 24065, Fax (044) 2254 1586, email: kaul@imsc.res.in, sp. particle physics; quantum field theory; quantum gravity.
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Year

- 2003 **Kaul**, Sharika Nandan, b. 1949, Ph.D. (IIT, Kharagpur), FNA, JC Bose National Fellow, Senior Professor, School of Physics & Coordinator, Centre for Nanotechnology, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4322, Res. (040) 2301 0686, Fax (040) 2301 0227, email: kaulsp@uohyd.ernet.in; kaul.sn@gmail.com, sp. condensed matter physics; phase transitions & critical phenomena; magnetism & magnetic materials; macroscopic quantum phenomena; disordered systems & percolation; physics at nanometer length scale.
- 1974 **Kaw**, Predhiman Krishan, b. 1948, Ph.D. (IIT, Delhi), FNA, FNASc, Senior Professor & Distinguished Scientist, Institute for Plasma Research, Bhat, Gandhinagar 382 428, Tel. Off. (079) 2396 9275, Res. (079) 2692 7572, Mobile: 98250 69415, Fax (079) 2396 9016, email: kaw@ipr.res.in; predh@yahoo.com, URL: http://www.ipr.res.in/~theory/kaw_sir_home_page/kaw.htm, sp. plasma physics.
- 2009 **Kembhavi**, Ajit Keshav, b. 1950, Ph.D. (Bombay), Director, Inter-University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4200; (020) 2560 4100, Res. (020) 2560 4401, Mobile: 98229 79161, Fax (020) 2560 4699, email: akk@iucaa.ernet.in, sp. high energy astrophysics; active galactic nuclei; external galaxies; virtual observatory.
- 1978 **Kempanna**, Chokkappa, b. 1928, Ph.D. (Cantab), Res. No. 82, 2nd Main, III Cross, Ganganagar, Bangalore 560 032, Mobile: 94480 46444, email: ckempanna@yahoo.com, sp. genetics; plant breeding.
- 1986 **Kenkare**, Umakant Waman, b. 1927, Ph.D. (Bombay), FNA, Res. D/3, Deeplakshmi Co-operative Housing Society, Hatiskar Marg, Prabhadevi Sea Beach, Prabhadevi, Mumbai 400 025, Tel. (022) 2430 9881, sp. biochemistry; molecular biology; neurochemistry.
- 2008 **Kesavan**, Srinivasan, b. 1952, Ph.D. (Pierre et Marie Curie), FNASc, Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3209; (044) 2254 3166, Res. (044) 2641 2839, Mobile: 94440 82801, Fax (044) 2254 1586, email: kesh@imsc.res.in, sp. partial differential equations; homogenization; isoperimetric inequalities.

Elected
Year

- 1975 **Kessar**, Satinder Vir, b. 1932, Ph.D. (USC, LA), FNA, FNASc, FTWAS, Professor Emeritus & INSA Honorary Scientist, Department of Chemistry, Panjab University, Chandigarh 160 014, Tel. Off. (0172) 254 1435, Res. (0172) 274 7308, email: svkessar@pu.ac.in, sp. synthetic & mechanistic organic chemistry.
- 1996 **Khakhar**, Devang Vipin, b. 1959, Ph.D. (Massachusetts), FNA, FNAE, Professor, Department of Chemical Engineering, and Director, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2572 3488; (022) 2576 7001, Res. (022) 2572 3738, Mobile: 98206 05351, Fax (022) 2572 3546, email: khakhar@iitb.ac.in; director@iitb.ac.in, URL: www.che.iitb.ac.in/faculty/dvk.html, sp. granular flow & mixing; polymer processing. **Council Service:** 2010–12.
- 2012 **Khan**, Faiz Ahmed, b. 1965, Ph.D. (Hyderabad), FNASc, Professor and Head, Department of Chemistry, Indian Institute of Technology, Ordnance Factory Estate, Yeddumailaram 502 205, Tel. Off. (040) 2301 6084, Res. (040) 2301 7040, email: faiz@iith.ac.in, sp. synthetic organic chemistry; chemistry of natural products; synthetic methodologies.
- 2010 **Khanduja**, Sudesh Kaur, b. 1951, Ph.D. (Panjab, Chandigarh), FNA, FNASc, Professor, Indian Institute of Science Education and Research, Mohali, Sector 81, Knowledge City, SAS Nagar, Manauli 140 306, Tel. Off. (0172) 224 0124, Res. (0172) 269 1297, Mobile: 98152 04096, email: skhanduja@iisermohali.ac.in, sp. algebra; valuation theory; algebraic number theory.
- 390 1991 **Khare**, Avinash Vasant, b. 1945, Ph.D. (Calcutta), FNA, Raja Ramanna Fellow, Indian Institute of Science Education & Research, Sai Trinity Building, Garware Circle, Pashan, Pune 411 021, Tel. Off. (020) 2590 8211, Mobile: 94056 10654, Fax (020) 2586 5315, email: khare@iiserpune.ac.in, sp. high energy & elementary particle physics; supersymmetric quantum mechanics; nonlinear dynamics.
- 2006 **Khurana**, Jitendra Paul, b. 1954, Ph.D. (Delhi), FNA, FNASc, FNAAS, Professor, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 5126, Res. (011) 2411 9090, Mobile: 98113 51217, Fax (011) 2411 5270, email: khuranaj@genomeindia.org, sp. photo-perception & signal transduction in plants; structural & functional genomics; plant hormone action.

Elected
Year

- 2010 **Khurana**, Paramjit, b. 1956, Ph.D. (Delhi), FNA, FNASc, Professor, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. and Fax (011) 2411 5096, Res. (011) 2411 9090, Mobile: 97110 06512, email: param@genomeindia.org, sp. plant biotechnology; comparative plant genomics; molecular basis of plant differentiation & morphogenesis.
- 1991 **Khush**, Gurdev Singh, b. 1935, Ph.D. (UC, Davis), D.Sc. (h.c.), FNA, FRS, FNASc, Foreign Assoc. US Nat. Acad. Sci., Res. 39399, Blackhawk Place, Davis, CA 95616-7008, USA, Tel. & Fax (+1-530) 750 2440, email: gurdev@khush.org, sp. plant genetics & breeding; biotechnology.
- 1990 **Kochupillai**, Narayana Panicker, b. 1939, MD (AIIMS), FNA, FAMS, Res. Flat No. 401, ITPL Residence Complex, International Technology Park, Whitefield, Bangalore 560 068, email: kochupillai@gmail.com, sp. internal medicine; clinical endocrinology; metabolism; diabetes; biotechnology.
- 2010 **Kohli**, Ravinder Kumar, b. 1953, Ph.D. (Amritsar), FNA, FNASc, FNAAS, JC Bose National Fellow, Dean (University Instruction) and Professor, Department of Botany, Panjab University, Chandigarh 160 014, Tel. Off. (0172) 253 4015, Res. (0172) 274 7777, Mobile: 98722 01516, Fax (0172) 254 1156, email: rkkohli45@yahoo.com; rkkohli45@gmail.com, sp. experimental ecology; weed science; plantation forestry & urban forestry.
- 2010 **Kotha**, Sambasivarao, b. 1957, Ph.D. (Hyderabad), FNASc, Professor, Department of Chemistry, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7160, Res. (022) 2576 8160, Mobile: 98693 92696, Fax (022) 2576 7152, email: srk@chem.iitb.ac.in, URL: <http://www.chem.iitb.ac.in/people/Faculty/prof/sk.html>, sp. new synthetic methods; unnatural amino acids; transition metals in organic synthesis.
- 2002 **Krishna**, Kolluru Sree, b. 1958, Ph.D. (Andhra), FNASc, FNA, JC Bose National Fellow, Chief Scientist, Geological Oceanography Division, National Institute of Oceanography, Dona Paula 403 004, Tel. Off. (0832) 245 0384, Res. (0832) 245 2438, Mobile: 97654 94935, Fax (0832) 245 0609, email: krishna@nio.org, sp. structure & tectonics of the continental margins, basins and volcanic ridges; deformation of the central Indian Ocean lithosphere.

Elected
Year

- 1979 **Krishna**, Padmanabhan, b. 1938, Ph.D. (Banaras), FNA, Secretary, Rajghat Education Centre, Krishnamurti Foundation India, Rajghat Fort, Varanasi 221 001, Tel. Off. (0542) 244 1160, Res. (0542) 244 1356, Mobile: 94152 23667, email: pkrishna@pkrishna.org; pkrishna80@gmail.com, URL: www.pkrishna.org, sp. crystallography; imperfection in solids; education, science & society.
- 1989 **Krishna**, Rajamani, b. 1946, Ph.D. (Manchester), Professor, Van t' Hoff Institute for Molecular Sciences, University of Amsterdam, Science Park 904, 1098 XH Amsterdam, Netherlands, Tel. Res. (+31-20) 627 0990, Fax (+31-20) 525 5604, email: r.krishna@uva.nl, URL: www.science.uva.nl/research/cr/pdf/, sp. diffusion inside porous materials.
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- 2008 **Krishna Kumar**, Kanikicharla, b. 1958, Ph.D. (Pune), Scientist & Program Manager, Indian Institute of Tropical Meteorology, Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 4354, Res. (020) 2587 2937, Mobile: 98500 85018, Fax (020) 2589 3825, email: krishna@tropmet.res.in; krishnakumar.kanikicharla@gmail.com, sp. monsoon dynamics; predictability & prediction; climate change & impacts; climate applications.
- 1993 **Krishna Murty**, Achyutuni Venkata, b. 1938, Ph.D. (IISc), Res. 8, V Main, II Cross, NTI Layout, RMV II Stage, Nagashettihalli, Bangalore 560 094, Tel. (080) 2341 0116, email: avkrishnamurty@yahoo.co.in, sp. aerospace engineering; structural mechanics; composites; smart structures.
- 1989 **Krishna Swamy**, Kittur Subbarao, b. 1938, Ph.D. (UC, Berkeley), Res. 204 Sigma Tower, Plot 32, Gorai Link Road, Borivali West, Mumbai 400 091, Tel. (022) 2867 3894, email: swamy@tifr.res.in, sp. astrophysics.
- 2008 **Krishnakumar**, Erumathadathil, b. 1952, Ph.D. (Gujarat), Professor, Department of Nuclear & Atomic Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2502, Res. (022) 2280 4998, Mobile: 98921 03030, Fax (022) 2280 4610, email: ekkumar@tifr.res.in, sp. atomic collision processes; molecular dynamics; electron controlled chemistry.

Elected
Year

- 2000 **Krishnamoorthy**, Guruswamy, b. 1950, Ph.D. (TIFR), FNA, Senior Professor, Department of Chemical Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2301; (022) 2278 2864, Res. (022) 2280 4732, Mobile: 77380 41952, Fax (022) 2280 4610, email: gk@tifr.res.in, sp. biophysical chemistry; laser spectroscopy; protein dynamics & protein folding dynamics; dynamics in nucleic acids; correlation of macromolecular dynamics with function.
- 2005 **Krishnamoorthy**, Krishnaswamy, b. 1952, Ph.D. (Kerala), FNA, FNASc, Director, Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram 695 022, Tel. Off. (0471) 256 3663; (0471) 256 3839, Res. (0471) 232 3542, Mobile: 94960 50095; 94469 80544, Fax (0471) 270 6535, email: krishnamoorthyspl@gmail.com; krishnamoorthy_k@vssc.gov.in, sp. atmospheric aerosols; microphysics, regional radiative forcing; climate impact assessment; equatorial aeronomy; atmospheric sciences.
- 1991 **Krishnamurthy**, Hulikal Ramaiyengar, b. 1951, Ph.D. (Cornell), FNA, FNASc, FTWAS, Professor and Chair, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 8658; (080) 2293 3282, Res. (080) 2341 6627, Mobile: 98459 27227, Fax (080) 2360 2602, email: hrkrish@physics.iisc.ernet.in, URL: <http://www.physics.iisc.ernet.in/~hrkrish/>, sp. theoretical condensed matter physics; quantum many-body theory; statistical physics.
- 1989 **Krishnamurthy**, Setharampattu Seshaiyer, b. 1940, Ph.D. (IISc), FNA, Professor Emeritus, IPC Department, Indian Institute of Science, Bangalore; Res. 394, 6A Cross, Tata Nagar, Bangalore 560 092, Tel. Off. (080) 2293 2401, Res. (080) 2351 6293, email: sskrish@ipc.iisc.ernet.in; sskrish60@yahoo.com, sp. main group chemistry; organometallic chemistry.
- 1982 **Krishnan**, Rangachari, b. 1935, Ph.D. (Bombay), FNA, FNASc, FNAE, Res. F-3, Parkside Manor, 162, 5th Main, Defence Colony, Bangalore 560 038, Tel. (080) 2526 8882, Mobile: 99808 47568, email: rangachari.krishnan@gmail.com, sp. physical metallurgy & materials science.

Elected
Year

- 1974 **Krishnan**, Sankaranarayanaier, b. 1934, Ph.D. (Kerala), Res. 49, II Cross, P&T Colony, R.T. Nagar, Bangalore 560 032, Tel. (080) 2333 3139, Mobile: 99004 19481, email: skrish49@hotmail.com, sp. electronics & digital systems.
- 1984 **Krishnan**, Varadachari, b. 1937, Ph.D. (IISc), FNA, FTWAS, Co-ordinator, TWAS Regional Office for Central & South Asia; Honorary Fellow, Chinese Chemical Society; Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2759; (080) 2362 2518, Res. (080) 2341 9380, Fax (080) 2208 2766, email: vkripc@ipc.iisc.ernet.in; vkrish@jncasr.ac.in, sp. inorganic chemistry & bio-inorganic chemistry. **Council Service:** 1989–97; Secretary: 1989–94.
- 1986 **Krishnaswami**, Sethunathasarma, b. 1945, Ph.D. (Bombay), FNA, FNASc, FTWAS, Honorary Professor, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4305, Res. (079) 2630 2640, Fax (079) 2631 4000, email: swami@prl.res.in, sp. nuclear oceanography; low temperature geochemistry.
- 1993 **Krishnaswamy**, Kamala, b. 1940, MD (Osmania), FNA, FNASc, FAMS, FNAAS, FTWAS, Res. House No. 1-2-98/2, Sriniketan, Kakateyanagar Colony, Habsiguda, Hyderabad 500 007, Tel. (040) 2715 3248, Mobile: 98662 35238, email: sri21kk@hotmail.com; sri21kk@yahoo.com, sp. internal medicine; nutritional sciences; clinical pharmacokinetics.
- 2003 **Krupanidhi**, Saluru Baba, b. 1951, Ph.D. (Delhi), Professor, Materials Research Centre, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 1330; (080) 2293 2781, Res. (080) 2341 8550, Fax (080) 2360 7316, email: sbk@mrc.iisc.ernet.in, sp. ferroelectrics; III–V semiconductors; thin films; epitaxy; solid state devices; MEMS.
- 1988 **Kulkarni**, Bhaskar Dattatraya, b. 1949, Ph.D. (Nagpur), FNA, FNAE, Distinguished Scientist, Chemical Engineering Division, National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2772; (020) 2590 2150, Res. (020) 2589 8572, Mobile: 98817 29726, Fax (020) 2590 2612, email: bd.kulkarni@ncl.res.in, sp. chemical reaction engineering; mathematical modelling & simulation.

Elected
Year

- 1996 **Kulkarni**, Mohan Gopalkrishna, b. 1950, Ph.D. (Bombay), FNAE, Head, Polymer Science & Engineering Division, National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2178, Res. (020) 2588 2189, Fax (020) 2590 2618, email: mg.kulkarni@ncl.res.in, sp. polymer science & engineering.
- 1975 **Kulkarni**, Prabhakar Vasudeo, b. 1930, Ph.D. (Pune), Res. c/o Dr Narendra P. Kulkarni, 202, Sadguru Co-op. Housing Society, Sector 19, Flat 20, Kharghar, Navi Mumbai 410 210, Tel. (022) 2774 5204, Mobile: 99670 31930, email: nanapvk@gmail.com, sp. atmospheric optics; aeronomy; infrared astronomy.
- 2004 **Kulkarni**, Sulabha Kashinath, b. 1949, Ph.D. (Pune), FNASc, FNA, Professor, Department of Physics, Indian Institute of Science Education & Research, Homi Bhabha Road, Pune 411 008, Tel. Off. (020) 2590 8032, Res. (020) 2544 1158, Mobile: 88884 25978, Fax (020) 2589 9790, email: s.kulkarni@iiserpune.ac.in, sp. surface physics; materials science; nanoscience.
- 2010 **Kumar**, Anurag, b. 1955, Ph.D. (Cornell), FNA, FNAE, FIEEE, Professor, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0855, Res. (080) 2341 5032, Mobile: 98450 06755, Fax (080) 2360 0991, email: anurag@ece.iisc.ernet.in; anurageceiisc@gmail.com, sp. communication networks; wireless networks; stochastic modelling.
- 2004 **Kumar**, Gattamraju Ravindra, b. 1961, Ph.D. (IIT, Kanpur), Professor, Department of Nuclear & Atomic Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2381, Res. (022) 2280 4609, Fax (022) 2280 4610-1, email: grk@tifr.res.in, sp. interaction of intense ultrashort light pulses with matter; high energy density science and nonlinear optics.
- 420
- 1975 **Kumar**, Har Darshan, b. 1934, Ph.D. (London), FNA, FNASc, Res. Mrigtrishna, B-32/32, HK 214, Saketnagar Colony, Naria, Varanasi 221 005, Tel. (0542) 231 5180, email: hdk71@yahoo.co.in; hdkumar@rediffmail.com, sp. algology; microbial biotechnology; genetics; ecology; environment.

Elected
Year

- 2010 **Kumar, Lalit**, b. 1957, MD (Agra), D.M. (Madras), FAMS, Professor, Department of Medical Oncology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3405, Res. (011) 2658 8821, Mobile: 98114 46828, Fax (011) 2658 8663, email: lalitaiims@yahoo.com, sp. stem cell transplantation; multiple myeloma (haemato-oncology); gynaecologic oncology.
- 2004 **Kumar, Makarla Udaya**, b. 1946, Ph.D. (USSR Acad. Sci.), FNA, FNAAS, Professor, Division of Plant Sciences, Department of Crop Physiology, University of Agricultural Sciences, GKVK Campus, Bangalore 560 065, Tel. Off. & Fax (080) 2363 6713/25; (080) 2333 0153/355, Res. (080) 2347 4560, Mobile: 94483 76357, email: udayakumar_m@yahoo.com, sp. molecular basis of stress resistance; physiology of water use efficiency in plants; canopy photosynthesis.
- 1983 **Kumar, Narendra**, b. 1940, Ph.D. (IIT, Bombay), FNA, FNASc, FTWAS, Emeritus Professor, Raman Research Institute, C.V. Raman Avenue, Bangalore 560 080, Tel. Off. (080) 2361 1016, Res. (080) 2341 0549, Mobile: 94484 95421, Fax (080) 2361 0492, email: nkumar@rri.res.in, URL: www.rri.res.in/~nkumar, sp. condensed matter physics; stochastic transport processes & statistical physics; high-temperature superconductivity; localization in disordered systems. **Council Service:** 1995–2006; President: 1998–2000.
- 1979 **Kumar, Rajinder**, b. 1934, Ph.D. (Panjab), FNA, Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. & Fax (080) 2293 2320; (080) 2208 2786, Res. (080) 2334 6394, Mobile: 98452 50473, email: kumar@chemeng.iisc.ernet.in; kumariisc@gmail.com, sp. multiphase phenomena. **Council Service:** 2001–06; Vice-President: 2001–06.
- 2002 **Kumara Swamy**, Kalasa Chandrasekhar Jois, b. 1957, Ph.D. (IISc), FNA, Professor, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4856, Res. (040) 6457 6973, Mobile: 98497 24004, Fax (040) 2301 2460, email: kckssc@uohyd.ernet.in; kckssc@yahoo.com, sp. chemistry of main group elements; organophosphorus chemistry.

Elected
Year

- 1999 **Kumaran**, Viswanathan, b. 1966, Ph.D. (Cornell), FNA, FNAE, Professor, Department of Chemical Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3112, Res. (080) 2360 1034, Fax (080) 2360 8121, email: kumaran@chemeng.iisc.ernet.in, sp. hydrodynamic stability; dynamics of complex fluids; granular flows.
- 2006 **Kundu**, Gopal Chandra, b. 1959, Ph.D. (Calcutta), FNASc, Scientist, National Centre for Cell Science, NCCS Complex, Pune 411 007, Tel. Off. (020) 2570 8103, Res. (020) 2569 8547, Mobile: 94225 06548, Fax (020) 2569 2259, email: kundu@nccs.res.in, gopalkundu@hotmail.com, sp. signal transduction; cancer biology; angiogenesis & regulation of gene expression.
- 2008 **Kundu**, Tapas Kumar, b. 1962, Ph.D. (IISc), FNA, FNASc, Professor, Transcription & Disease Laboratory, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2840, Res. (080) 2362 2773, Fax (080) 2208 2766, email: tapas@jncasr.ac.in, sp. mechanisms of transcriptional regulation; epigenetics & disease; chemical biology.
- 2005 **Lahiri**, Goutam Kumar, b. 1960, Ph.D. (Jadavpur), Professor, Department of Chemistry, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7159, Res. (022) 2576 8159, Mobile: 98195 81787, Fax (022) 2572 3480, email: lahiri@chem.iitb.ac.in, sp. inorganic chemistry; organometallic chemistry; catalysis.
- 430
- 2005 **Lahiri Majumder**, Arunendra Nath, b. 1946, Ph.D. (Calcutta), D.Sc. (Calcutta), FNA, FNASc, DAE-Raja Ramanna Fellow, Division of Plant Biology, Bose Institute, P-1/12, CIT Scheme, VII M, Kolkata 700 054, Tel. Off. (033) 2569 3232, Res. (033) 2436 7219, Mobile: 94330 27050, Fax (033) 2334 3686, email: lahiri@bic.boseinst.ernet.in; alahirimajumder@yahoo.com, sp. plant biochemistry; molecular biology & biotechnology.
- 1994 **Lakhotia**, Subhash Chandra, b. 1945, Ph.D. (Calcutta), FNA, FNASc, Professor Emeritus, DAE-Raja Ramanna Fellow, Department of Zoology, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8145; (0542) 670 1827, Res. (0542) 231 2012, Mobile: 94530 48657, Fax (0542) 236 8457, email: lakhotia@bhu.ac.in; sclakhotia@yahoo.co.in, sp. cytogenetics; gene expression; molecular biology; stress biology.

Elected
Year

- 1991 **Lakshmanan**, Muthusamy, b. 1946, Ph.D. (Madras), D.Sc. (h.c., Burdwan), FNA, FNASc, FTWAS, DAE-Raja Ramanna Fellow, Professor of Eminence, Centre for Nonlinear Dynamics and Department of Physics, Bharathidasan University, Tiruchirapalli 620 024, Tel. Off. (0431) 240 7093; (0431) 240 7057, Res. (0431) 245 9386, Mobile: 99408 23079, Fax (0431) 240 7093, email: lakshman@cnld.bdu.ac.in; lakshman.cnld@gmail.com, sp. nonlinear dynamics; theoretical physics; mathematical physics. **Council Service:** 2010–12.
- 1986 **Lal**, Ravindra Kumar, b. 1936, Ph.D. (Toronto), FNA, FNASc, Res. 69, Nand Nagar, Karaundi, BHU Post, Varanasi 221 005, Tel. (0542) 257 5129, email: ravindrakal@rediffmail.com, sp. metamorphic petrology; mineralogy; thermodynamics.
- 2001 **Lal**, Shyam, b. 1951, Ph.D. (Gujarat), FNA, FNASc, Senior Professor, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4671, Res. (079) 2745 3120, Mobile: 94276 27076, Fax (079) 2631 4659, email: shyam@prl.res.in, sp. ozone & trace gases for atmospheric processes; environmental & climatic changes.
- 2010 **Lele**, Ashish Kishore, b. 1967, Ph.D. (Delaware), FNAE, Scientist, Polymer Science & Engineering Division, National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2199, Res. (020) 2589 3089, Mobile: 99600 65550, Fax (020) 2590 2618, email: ak.lele@ncl.res.in, sp. polymer dynamics, rheology & processing; rheology of complex fluids; hydrogels & gelation processes.
- 1986 **Lele**, Shrikant, b. 1943, Ph.D. (Banaras), FNA, FNASc, FNAE, Res. 377, Mahatma Society, Kothrud, Pune 411 038, Tel. (020) 2536 0906, Mobile: 97664 33322, email: drslele@gmail.com, sp. physical metallurgy & materials science.
- 2007 **Lohia**, Anuradha, b. 1956, Ph.D. (Calcutta), Senior Professor, Department of Biochemistry, Bose Institute, P-1/12, CIT Scheme, VII M, Kolkata 700 054, Tel. Off. (033) 2569 3324, Mobile: 98310 79838, Fax (033) 2355 3886, email: amoeba22@gmail.com, sp. cell cycle of protozoan parasites; molecular genetics & genomics; regulation of gene expression. **Council Service:** 2010–12.

Elected
Year

- 2009 **Madhubala**, Rentala, b. 1952, Ph.D. (Hyderabad), FNASc, FNAMS, FNA, Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. & Fax (011) 2674 2630, Res. (011) 2625 3934, Mobile: 98102 91801, email: madhubala@mail.jnu.ac.in; rentala@hotmail.com, sp. molecular parasitology.
- 1974 **Madhusudana**, Nelamangala Vedavyasachar, b. 1944, Ph.D. (Mysore), FNA, Emeritus Scientist, Liquid Crystal Laboratory, Raman Research Institute, C.V. Raman Avenue, Bangalore 560 080, Tel. Off. 94808 36199; (080) 2361 1015, Res. (080) 2333 3407, Fax (080) 2361 0492, email: nvmadhu@rri.res.in, sp. liquid crystals.
- 440
- 1990 **Madyastha**, Kattigari Madhava, b. 1937, Ph.D. (Pune), FNASc, Res. 162, Srikrishna, V Main, IV Cross, NGEF Layout, Sanjaynagar, Bangalore 560 094, Tel. (080) 2341 5584, email: kmm1937@yahoo.com, sp. bio-organic chemistry; xenobiotics metabolism; plant biochemistry; microbial transformations.
- 2003 **Mahadevan**, Subramony, b. 1953, Ph.D. (Tufts), Professor, Department of Molecular Reproduction, Development & Genetics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2607, Res. (080) 2334 7595, Mobile: 98452 08358, Fax (080) 2360 0683, email: mahi@mrdg.iisc.ernet.in, sp. regulation of gene expression in bacteria; microbial physiology; microbial evolution.
- 1991 **Mahajan**, Kushal Kumar, b. 1939, Ph.D. (Banaras), FNA, INSA Honorary Scientist, NPL, New Delhi; Res. C-I/121, Janakpuri, New Delhi 110 058, Tel. Off. (011) 4560 8243, Res. (011) 2553 6334, Mobile: 98100 92120, Fax (011) 4560 9310, email: kkmahajan@nplindia.org; kkmahajan@yahoo.com, sp. atmospheric & space science; ionosphere & planetary atmospheres.
- 2012 **Mahan**, Mj, b. 1968, Ph.D. (UC, Berkeley), Professor, School of Mathematical Sciences, RKM Vivekananda University, Belur Math, Howrah 711 202, Tel. Off. (033) 2654 9999, Fax (033) 2654 4640, email: mahan.mj@gmail.com, sp. geometric group theory; geometric topology; hyperbolic geometry.

Elected
Year

- 2013 **Mahapatra**, Susanta, b. 1968, Ph.D. (IIT, Kanpur), Professor, ACRHEM, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4826; (040) 2301 1537, Res. (040) 2301 0654, Mobile: 944403 03184, Fax (040) 2301 2460, (040) 2301 1537, email: smsc@uohyd.ernet.in; susanta_m2004@yahoo.com, URL: <http://chemistry.uohyd.ernet.in/~sm>, sp. theoretical chemical dynamics; nonadiabatic chemistry.
- 1994 **Maharana**, Jnanadeva, b. 1945, Ph.D. (IIT, Kanpur), FNA, Raja Ramanna Fellow, Institute of Physics, Sachivalaya Marg, Bhubaneswar 751 005, Tel. Off. (0674) 230 6403, Res. (0674) 230 3444, Fax (0674) 230 0142, email: maharana@iopb.res.in, sp. string theory; field theory; quantum gravity.
- 1975 **Maheshwari**, Satish Chandra, b. 1933, Ph.D. (Delhi), FNA, FNASc, INSA Honorary Scientist, Jaipur National University, Jagatpura, Jaipur 302 025, Tel. Off. (0141) 275 3377; (0141) 275 4399, Mobile: 77425 77710, Fax (0141) 275 2418, email: profsatishcmaheshwari@gmail.com, sp. physiology & biochemistry of plant growth & development; plant molecular biology.
- 2010 **Maiti**, Kalobaran, b. 1967, Ph.D. (IISc), Associate Professor, Department of Condensed Matter Physics & Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400 005, Tel. Off. (022) 2278 2748, Res. (022) 2280 4919, Mobile: 99691 85189, Fax (022) 2280 4610, email: kbmaini@tifr.res.in, URL: <http://www.tifr.res.in/~kbmaini>, sp. correlated electron systems; magnetism & superconductivity; electron spectroscopy.
- 2013 **Maiti**, Souvik, b. 1971, Ph.D. (Osmania), Scientist, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, Delhi 110 020, Tel. Off. (011) 2987 9108, Res. (0120) 248 5601, Mobile: 99111 30093, Fax (011) 2766 7471, email: souvik@igib.res.in, URL: <http://www.igib.res.in/?q=SouvikMaiti>, sp. biophysical chemistry; chemical biology.
- 1998 **Maitra**, Uday, b. 1957, Ph.D. (Columbia), FNA, Professor, Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 1968; (080) 2293 2690, Res. (080) 2360 1774, Fax (080) 2360 0529, email: maitra@orgchem.iisc.ernet.in; maitrau@gmail.com, URL: <http://orgchem.iisc.ernet.in/faculty/um>, sp. supramolecular chemistry of bile acids; synthesis & properties of bile acid analogs; organo & hydrogels. **Council Service:** 2013–; Secretary: 2013–.

Elected
Year

- 2006 **Majumder**, Hemanta Kumar, b. 1950, Ph.D. (Calcutta), FNA, FNASc, JC Bose National Fellow, Raja Ramanna Fellow, Scientist, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2412 3207, Res. (033) 2359 1532, Mobile: 98319 26491, Fax (033) 2473 5197, email: hk:majumder@iicb.res.in; hemantamajumder@yahoo.co.in, sp. biochemistry; molecular biology; parasitology.
- 1998 **Majumder**, Partha Pratim, b. 1952, Ph.D. (ISI, Calcutta), FNA, FNASc, Director, National Institute of Biomedical Genomics, Netaji Subhas Sanatorium, 2nd Floor, Kalyani 741 251, Tel. Off. (033) 2589 2150; (033) 2589 2151, Res. (033) 2565 4314, Mobile: 98303 08133, email: ppm1@nibmg.ac.in; director.nibmg@yahoo.in, sp. biostatistics; human genetics; population genetics.
- 1986 **Malhotra**, Kailash Chandra, b. 1938, Ph.D. (Pune), FNA, Res. 385, Sector 29, Noida 201 301, email: kcmalhotra2001@yahoo.co.in, sp. population genetics; human ecology.
- 1994 **Malik**, Satish Kumar, b. 1943, Ph.D. (Bombay), FNA, Visiting Professor, Centro Internacional de Fisica da Materia Condensada (CIFMC), ICCMP, Universidade de Brasilia, C. Postal 04513, 70904-970 Brasilia DF, Brazil, Tel. Off. (+55-61) 3307 2571/24, Mobile: (+55-61) 8495 0369, Fax (+55-61) 3307 1771, email: skm@tifr.res.in, sp. rare earth magnetism; superconductivity; strongly correlated electron systems.
- 2010 **Mallick**, Birendra Nath, b. 1956, Ph.D. (AIIMS), FNA, FNASc, Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4522, Res. (011) 2674 1370, Mobile: 98106 60572, Fax (011) 6171 7558, email: remsbnm@yahoo.com, URL: <http://www.jnu.ac.in/Faculty/bnmallick/>, sp. neurobiology; physiology; sleep-wakefulness.
- 1997 **Mallik**, Asok Kumar, b. 1947, Ph.D. (IIT, Kanpur), FNA, FNASc, FNAE, Honorary Distinguished Professor, Bengal Engineering & Science University, Shibpur, Howrah 711 103; Res. P-31, CIT Road, Scheme VI M(S), Kolkata 700 054, email: akmallik@iitk.ac.in, sp. vibration engineering; kinematics; dynamics of machines.

Elected
Year

- 2012 **Mallik**, Ranjan Kumar, b. 1964, Ph.D. (USC, Los Angeles), FNA, FNAE, FNASc, Department of Electrical Engineering, Indian Institute of Technology, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 1049, Res. (011) 2659 1572, Mobile: 98106 54162, Fax (011) 2658 1606, email: rkmallik@ee.iitd.ernet.in; ranjankmallik@yahoo.co.in, sp. electrical engineering (communications).
- 1995 **Mandal**, Asit Baran, b. 1952, Ph.D. (Jadavpur), FRSC, FNAE, Director, Central Leather Research Institute, Adyar, Chennai 600 020, Tel. Off. (044) 2491 0897; (044) 2491 0846, Res. (044) 2442 1703, Mobile: 99401 21703, Fax (044) 2491 2150; (044) 2491 1589, email: abmandal@clri.res.in; directorclri@gmail.com, URL: www.clri.org/staff/prof_mandalprofile.htm, sp. physical & biophysical chemistry; organized self-assemblies; nanomaterials; ionic liquids; environmental S&T; electrochemistry and thermodynamics.
- 2006 **Mandal**, Chitra, b. 1951, Ph.D. (IISc), FNA, FNASc, FTWAS Scientist H & Head, Cancer Biology and Inflammatory Division, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2429 8861, Res. (033) 2416 6609, Mobile: 98310 36964, Fax (033) 2473 5197, email: chitra_mandal@yahoo.com; chitra@csiriicb.in, sp. glyco-biology; cancer biology; immunobiology.
- 2006 **Mandal**, Nibir, b. 1963, Ph.D. (Jadavpur), Professor, Department of Geological Sciences, Jadavpur University, Kolkata 700 032, Tel. Off. (033) 2414 6666/2364, Res. (033) 2462 6528, email: nibirmandal@yahoo.co.in; nibirmandal@hotmail.com, sp. structural geology; solid earth geophysics; tectonics.
- 460
- 1993 **Mandal**, Nitai Chandra, b. 1938, Ph.D. (Calcutta), FNA, FNASc, Res. E-5, Digantika, AH Block, Sector II, Salt Lake, Kolkata 700 091, Tel. (033) 2359 1356, Mobile: 94775 85894, email: mandalnc2003@yahoo.com, sp. molecular genetics; molecular biology of prokaryotes.
- 1975 **Mande**, Chintamani, b. 1925, D.Phil. (Allahabad), D.Sc. (Paris), FNASc, Res. S/29, Bharat Nagar, Nagpur 440 001, Tel. (0712) 253 2407, Mobile: 98501 50633, email: c_mande@hotmail.com, sp. X-ray spectroscopy; solid state physics.

Elected
Year

- 2003 **Mande**, Shekhar Chintamani, b. 1962, Ph.D. (IISc), FNA, FNASc, Director, National Centre for Cell Science, NCCS Complex, Pune University Campus, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2569 1065; (020) 2570 8121, Fax (020) 2569 2259, email: director@nccs.res.in, shekhar@nccs.res.in, URL: <http://www.nccs.res.in/SMande.html>, sp. macromolecular crystallography; protein structure & function.
- 1984 **Mani**, Harihara Subra, b. 1938, Ph.D. (Columbia), FNASc, Res. 2, Seethambal Illam, Fourth Cross Street, Durga Colony, Sembakkam, Chennai 600 073, Tel. (044) 2228 1131, Mobile: 94447 04725, email: hsmani@gmail.com, sp. elementary particle physics.
- 2008 **Manna**, Indranil, b. 1961, Ph.D. (Kharagpur), FNASc, FNAE, FNA, Director, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7258; (0512) 259 0763, Res. (0512) 259 8810; (0512) 259 8820, Fax (0512) 259 0260; (0512) 259 7790, email: director@iitk.ac.in; imanna@iitk.ac.in, URL: www.imanna.org/, sp. structure–property correlation of engineering materials; nano-structured materials; surface engineering; nanofluids.
- 1981 **Manoharan**, Periakaruppan Thangiah, b. 1935, Ph.D. (Columbia), FNA, FTWAS, INSA Senior Scientist, Department of Chemistry, Indian Institute of Technology, Chennai 600 036, Tel. Res. (044) 6455 7294, Mobile: 98412 92225, email: ptm@iitm.ac.in, sp. physical, inorganic & bioinorganic chemistry; spectroscopy; nanoscience.
- 1975 **Mantravadi**, Murty Venkataradhakrishna, b. 1929, Ph.D. (Rochester), Res. 21610, Villa Pacifica Circle, Carson, California 90745, USA, Tel. (+1-310) 513 1882, email: collimate@yahoo.com, sp. optics; optical engineering.
- 2001 **Marimuthu**, Ganapathy, b. 1954, Ph.D. (MKU), D.Sc. (MKU), FNA, FNASc, Professor & Head, Department of Animal Behaviour & Physiology, School of Biological Sciences, Madurai Kamaraj University, Madurai 625 021, Tel. Off. (0452) 245 9116, Res. (0452) 245 8658, Mobile: 97916 96463, Fax (0452) 245 9181, email: mailbox_gm@rediffmail.com; emailboxgm@gmail.com, sp. animal behaviour; chronobiology.

Elected
Year

- 1983 **Mashelkar**, Raghunath Anant, b. 1943, Ph.D. (Bombay), FNA, FNASc, FNAE, FRS, FTWAS, Foreign Assoc., US Natl. Acad. Sci., National Research Professor, National Chemical Laboratory, Pashan Road, Pune 411 008, Tel. Off. (020) 2590 2197; (020) 2590 2605, Res. (020) 2729 1268, Mobile: 99603 77577, Fax (020) 2590 2607, email: ram@ncl.res.in, sp. polymer science & engineering; molecular & convective diffusion; non-newtonian fluid mechanics; rheology. **Council Service:** 1989–2000; Vice-President: 1995–2000.
- 1993 **Mathews**, Cherian Kanjirathumkal, b. 1935, Ph.D. (McMaster), Managing Director, Indus Scientific Private Limited, Bangalore; Res. Manas, 52, Banjara Orchards, Horemavu, Banaswadi Post, Bangalore 560 043, Tel. Off. (080) 2544 9762; (080) 2544 9764, Res. (080) 2531 5545, Mobile: 98440 10286, Fax (080) 2543 0914, email: md@indusscientific.com, sp. high temperature chemistry; solid state ionics & sensors; materials characterization; instrumentation.
- 470
- 1975 **Mathews**, Piravonu Mathews, b. 1932, Ph.D. (Madras), FNA, Res. No. 22/20, Lady Madhavan Road, Nungambakkam, Chennai 600 034, Tel. (044) 2817 2098, Mobile: 99403 05041, email: indi4272@yahoo.com, sp. geoastronomy & geodynamics; quantum theory of particles & fields; statistical mechanics & mathematical methods.
- 1993 **Mathur**, Asha, b. 1938, MD (Lucknow), FRC Path. (London), FNA, FAMS, FNASc, FTWAS, Emeritus Medical Scientist, Saraswati Medical & Dental College, Lucknow, Res. 103, Shalimar Estate, Birbal Sahni Marg, New Hyderabad, Lucknow 226 007, Tel. Off. (0522) 281 5044; (0522) 281 5045, Res. (0522) 278 0325, Mobile: 96213 95580, email: asha.mathur@gmail.com, sp. virology; immunology; medical microbiology.
- 1992 **Mathur**, Deepak, b. 1952, Ph.D. (London), FNA, Senior Professor, Atomic & Molecular Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2736, Res. (022) 2362 6287, Fax (022) 2280 4611, email: atmol1@tifr.res.in, sp. atomic, molecular, & optical physics; intense & ultrafast laser fields; molecular dynamics; biological physics.

Elected
Year

- 1996 **Mathur**, Pradeep, b. 1955, Ph.D. (Keele), Director, Indian Institute of Technology, Khandwa Road, Indore 452 017; Professor, Department of Chemistry, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (0731) 243 8711, Res. (0731) 656 3470, Fax (0731) 236 1482, email: director@iiti.ac.in; mathur@iitb.ac.in, URL: www.chem.iitb.ac.in/~mathur, sp. organo-metallics & cluster chemistry.
- 2002 **Mayor**, Satyajit, b. 1963, Ph.D. (Rockefeller), FNA, FTWAS, JC Bose Fellow, Professor and Dean, National Centre for Biological Sciences, UAS-GKVK Campus, Bangalore 560 065, Tel. Off. (080) 2366 6260, Res. (080) 2546 4058, Fax (080) 2363 6662, email: mayor@ncbs.res.in, URL: http://www.ncbs.res.in/mayor, sp. cell biology; biophysics.
- 1981 **Meher-Homji**, Vispy Minocher, b. 1932, D.Sc. (Toulouse), Ph.D. (Bombay), FNA, FNASc, Res. 20D, Sagar Sangeet, 58, Colaba Road, Mumbai 400 005, Tel. (022) 2215 0120, sp. plant ecology; plant geography; bioclimatology.
- 1982 **Mehta**, Chandra Lal, b. 1938, Ph.D. (Rochester), Res. B-43, Gyandeep Apartments, Mayur Vihar, Phase-I, New Delhi 110 091, Tel. (011) 2279 6410, email: mehtacl@hotmail.com, sp. quantum & statistical optics; mathematical physics.
- 1979 **Mehta**, Goverdhan, b. 1943, Ph.D. (Pune), D.Sc. (h.c.), FNA, FNASc, FRS, FTWAS, National Research Professor and Jubilant-Bhartia Chair, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4848; (040) 2301 0785, Res. (040) 2313 6145, Mobile: 80083 93737, Fax (040) 2301 2460, email: gmssc@uohyd.ernet.in; gmehta43@gmail.com, sp. synthetic organic chemistry; natural products chemistry. **Council Service:** 1989–94, Vice-President: 1992–94.
- 1993 **Mehta**, Vikram Bhagvandas, b. 1946, Ph.D. (UC Berkeley), FNA, FNASc, Raja Ramanna Fellow, Indian Institute of Technology, Mumbai 400 076; Res. 8th Floor, Flat No. 82, Panorama, 203, Walkeshwar Road, Mumbai 400 006, Tel. (022) 2369 2725, email: vikram@math.tifr.res.in; vmehta729@gmail.com, sp. algebraic geometry.

Elected
Year

- 1964 **Menon**, Mambillikalathil Govind Kumar, b. 1928, Ph.D. (Bristol), D.Sc. (h.c.), FRS, FNA, Hon. FNASc, FTWAS, Adviser, ISRO, Bangalore, Res. C-178, First Floor, Sarvodaya Enclave, New Delhi 110 017, Tel. Off. (011) 2651 1454; (011) 2651 0825, Res. (011) 2696 6096, Mobile: 98112 27719, email: mgkmenon@nic.in, sp. cosmic rays; particle physics. **Council Service:** 1968–85; Vice-President: 1971–73; President: 1974–76.
- 1974 **Menon**, Thuppalay Kochugovinda, b. 1928, Ph.D. (Harvard), Res. #504-2350, West 39th Avenue, Vancouver, British Columbia V6M 1T9, Canada, Tel. Off. (+1-604) 822 0330, Res. (+1-604) 266 1789, email: menon@astro.ubc.ca, sp. astrophysics.
- 1984 **Merh**, Sukumar Shyamlal, b. 1928, Ph.D. (London), FNA, FNASc, Res. Flat 5, Ashdown Court, 5 Idmiston Road, Worcester Park, Surrey KT4 7SE, London, UK, Tel. (+44-20) 8330 1225, sp. structural geology; Himalayan geology; quaternary geology.
- 2011 **Minwalla**, Shiraz, b. 1972, Ph.D. (Princeton), Professor, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2212, Res. (022) 2287 5952, Mobile: 98670 50908, Fax (022) 2280 4610-11, email: shiraz.minwalla@gmail.com, sp. string theory; gravity; quantum field theory.
- 2009 **Mishra**, Akhilesh Chandra, b. 1950, Ph.D. (Pune), FNA, Director, National Institute of Virology, 20-A, Ambedkar Road, Pune 411 001, Tel. Off. (020) 2600 6100, Res. (020) 2587 0302, Mobile: 99701 78555, email: acm1750@rediffmail.com, sp. epidemiology of viral infections of public health importance; zoonotic disease diagnostics; vaccine development.
- 2005 **Mishra**, Gyan Chandra, b. 1947, Ph.D. (Udaipur), FNA, FNASc, Eminent Scientist, National Centre for Cell Science, NCCS Complex, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2570 8283, Res. (020) 6529 6510, Mobile: 94225 22705, Fax (020) 2569 7756, email: gcmishra@nccs.res.in, sp. immunology; cell biology.
- 1999 **Mishra**, Manoj Kumar, b. 1952, Ph.D. (Florida), FNASc, Vice-Chancellor, University of Lucknow, Lucknow 226 007, Tel. Off. & Fax (0522) 274 0467, Res. (0522) 274 0462, Mobile: 94153 30460, email: vc@lkouniv.ac.in, sp. electronic structure theory; photo/collisional dynamics; photoelectrochemistry.

Elected
Year

- 2012 **Mishra**, Rakesh Kumar, b. 1961, Ph.D. (Allahabad), Scientist and Group Leader, E405, Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2658, Res. (040) 2720 6400, Mobile: 94419 02188, Fax (040) 2716 0591, email: mishra@ccmb.res.in, sp. genomics; chromatin; epigenetics.
- 1987 **Mishra**, Santosh Kumar, b. 1941, Ph.D. (Pune), FNA, Res. Flat 4, 163/24, Mausam Vihar, Park Avenue, Off DP Road, Aundh, Pune 411 007, Tel. (020) 2589 0369, email: skmishrapune@rediffmail.com, sp. dynamic meteorology; numerical modelling of the atmosphere.
- 1999 **Misra**, Gadadhar, b. 1956, Ph.D. (SUNY, Stony Brook), FNA, Professor, Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2712, Res. (080) 2341 2348, Mobile: 94498 17021, Fax (080) 2360 0146, email: gm@math.iisc.ernet.in; gadadhar.misra@gmail.com, URL: <http://math.iisc.ernet.in/~gm/>, sp. operator theory; operator spaces. **Council Service:** 2007–09.
- 1983 **Misra**, Krishna Behari, b. 1943, Ph.D. (IIT, Roorkee), FNAE, Res. 71, Vrindaban Vihar, Krishna Kutir, Ajmer Road, Jaipur 302 019, Tel. (0141) 281 1080, Mobile: 94140 44080, email: kbmisra@gmail.com, sp. reliability, maintainability, availability, risk & safety engineering; sustainability; performability engineering.
- 490
- 2003 **Misra**, Usha Kant, b. 1952, MD (Lucknow), FAMS, FRCP (Edinburgh), Professor and Head, Department of Neurology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Rae Bareilly Road, Lucknow 226 014, Tel. Off. (0522) 249 4167, Res. (0522) 220 5931, Mobile: 94506 53685, Fax (0522) 266 8811, email: ukmisra@sgpgi.ac.in; drukmisra@rediffmail.com, sp. clinical neurology; neurophysiology; tropical neurology.
- 1975 **Mistry**, Kekhushroo Bamanshaw, b. 1936, Ph.D. (Delhi), Res. 52, Sunshine, Dr Rajaballi Patel Road, Mumbai 400 026, Tel. (022) 2351 7387; (022) 2351 0564, Mobile: 97730 77329, sp. soil science; fertilizers; agrochemicals.
- 1972 **Mitra**, Asoke Nath, b. 1929, Ph.D. (Delhi & Cornell), FNA, FNASc, FTWAS, Res. 244, Tagore Park, Delhi 110 009, Tel. (011) 2744 4731; (011) 2744 6153, email: ganmitra@nde.vsnl.net.in; anmitra@physics.du.ac.in, sp. theoretical, nuclear & quark physics. **Council Service:** 1974–76.

Elected
Year

- 2013 **Mitra**, Debashis, b. 1960, Ph.D. (Jadavpur), FNASc, Scientist G, National Centre for Cell Science, Pune University Campus, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2570 8151, Res. (020) 2569 8553, Mobile: 98230 59841, Fax (020) 2569 2259, email: dmitra@nccs.res.in, URL: <http://www.nccs.res.in/mitra1.html>, sp. molecular virology; HIV/AIDS & anti-viral drug discovery; molecular immunology.
- 1982 **Mitra**, Samaresh, b. 1940, D.Phil. (Calcutta), FNA, FNASc, INSA Senior Scientist, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 5866; (033) 2473 6793, Res. (033) 2418 8209, Mobile: 98312 73257, Fax (033) 2473 0284, email: samaresh.mitra@gmail.com; mitrasamaresh@yahoo.com, sp. biological chemistry; inorganic biochemistry.
- 1986 **Mittal**, Jai Pal, b. 1940, Ph.D. (Notre Dame), FNA, FNASc, FTWAS, MN Saha Distinguished Fellow (NASI), Bhabha Atomic Research Centre, Mumbai; Res. 11-B, Rohini Co-op. Housing Society, Sector 9A, Vashi, Navi Mumbai 400 703, Tel. Off. (022) 2559 5245; (022) 2559 5246, Res. (022) 2766 4822, Fax (022) 2550 5151, email: mittaljp2003@yahoo.co.in; mittaljp@barc.gov.in, sp. radiation chemistry & radiation biology; photochemistry & photobiology; laser chemistry; chemical dynamics.
- 2007 **Mittal**, Sanjay, b. 1968, Ph.D. (Minnesota), FNAE, FNA, FNASc, Professor, Department of Aerospace Engineering, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7906, Res. (0512) 259 8702, Fax (0512) 259 7561, email: smittal@iitk.ac.in, URL: home.iitk.ac.in/~smittal, sp. unsteady aerodynamics; finite element analysis; high performance computing; experimental aerodynamics; bluff-body flows; vortex induced vibrations; high speed flows; aerodynamic shape optimization; sports aerodynamics; traffic flow.
- 1998 **Mittra**, Indraneel, b. 1943, M.B.B.S. (Delhi), Ph.D. (London), FNA, FRCS (England), Dr Ernest Borges Chair in Translational Research & Professor Emeritus, Department of Surgical Oncology, Tata Memorial Centre & Hospital, Dr Ernest Borges Road, Mumbai 400 012, Tel. Off. (022) 2417 7285, Res. (022) 2497 6307, Mobile: 97697 69720, Fax (022) 2417 7286, email: indraneel.mittra@gmail.com; Advance Centre for Treatment, Research and Education in Cancer, Kharghar, Navi Mumbai 410 210, Tel. Off. (022) 2740 5136, Fax (022) 2740 5061, sp. cancer surgery; cancer biology; cancer prevention. **Council Service:** 2004–06.

Elected
Year

- 1999 **Mohan**, Anand, b. 1957, Ph.D. (Banaras), FNASc, Registrar, Dayalbagh Educational Institute (Deemed University), Dayalbagh, Agra 282 110, Tel. Off. (0562) 654 4855, Mobile: 93369 07431, email: anand.abhu@gmail.com; registrar.dei@gmail.com, sp. metamorphic petrology; mineralogy; precambrian geology; disaster management & mitigation; consciousness studies.
- 2012 **Mohan**, Viswanathan, b. 1954, Ph.D. & D.Sc. (Madras), FNA, FNASc, FRCP (London, Glasgow, Edinburgh, Ireland), Director, Dr Mohan's Diabetes Specialities Centre, No. 6B, Conran Smith Road, Gopalapuram, Chennai 600 086, Tel Off. (044) 4396 8888, Res. (044) 2431 1238, Mobile: 98400 97370, Fax (044) 2835 0935, email: drmohans@diabetes.ind.in, sp. diabetes & its complications; epidemiology; genomics studies; translational research.
- 500
- 1993 **Mohan Kumar**, Neithalath, b. 1951, Ph.D. (Bombay), Professor, Department of Mathematics, Washington University, One Brookings Drive, Campus Box 1146, St. Louis, MO 63130, USA, Tel. Off. (+1-314) 935 6728, Res (+1-314) 726 2115, Fax (+1-314) 935 6839, email: kumar@wustl.edu, URL: www.math.wustl.edu/~kumar, sp. commutative algebra; algebraic geometry.
- 1974 **Mohan Ram**, Holenarasipur Yoganarasimham, b. 1930, Ph.D. (Delhi), FNA, FNASc, FNAAS, Res. No. 174, SFS DDA Flats, Mukherjee Nagar, Delhi 110 009, Tel. (011) 2765 2773, Mobile: 98181 85469, email: hymohanram@gmail.com, sp. plant growth & development; economic botany. **Council Service:** 1983–88; Vice-President: 1986–88.
- 1999 **Mohan Rao**, Chintalagiri, b. 1954, Ph.D. (Hyderabad), FNA, FNASc, FTWAS, Director, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2716 0789, Res. (040) 2720 0633; (040) 2720 3931, Fax (040) 2716 0252, email: mohan@ccmb.res.in, URL: www.ccmb.res.in/staff/mohan, sp. biomolecular spectroscopy; molecular chaperones; protein folding in health & disease.
- 2012 **Mohanty**, Debasisa, b. 1966, Ph.D. (IISc), FNASc, FNA, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3749, Res. (011) 2670 3730, Mobile: 98187 47627, Fax (011) 2674 2125, email: deb@nii.ac.in, sp. bioinformatics; computational & structural biology; biophysics.

Elected
Year

- 1993 **Mohanty**, Uma Charan, b. 1948, Ph.D. (Moscow), FNASc, FNAE, Professor, Centre for Atmospheric Sciences, Indian Institute of Technology, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2659 1301; (011) 2651 5706, Res. (011) 2659 1829, Mobile: 98689 57957, Fax (011) 2659 1386, email: mohanty@cas.iitd.ernet.in; ucmohanty@gmail.com, sp. numerical weather prediction; monsoon dynamics; climate modelling; tropical meteorology; mesoscale modelling system.
- 1993 **Mohanty-Hejmadi**, Priyambada, b. 1939, Ph.D. & MS (Michigan), Res. GM-8, VSS Nagar, Bhubaneswar 751 007, Tel. & Fax (0674) 258 1418, Mobile: 95562 68744, email: mohantyhejmadi@hotmail.com, sp. developmental biology; herpetology (amphibians & reptiles including the olive ridley sea turtle).
- 2010 **Mondal**, Naba Kumar, b. 1951, Ph.D. (Bombay), FNA, FNASc, FTWAS, Senior Professor, Department of High Energy Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2227; (022) 2280 4903, Res. (022) 2280 4874; (022) 2278 3227, Mobile: 99875 37701, Fax (022) 2280 4610, email: nkm@tifr.res.in, nabak.mondal@gmail.com, sp. experimental particle physics; accelerator-based and non-accelerator-based particle physics; neutrino physics.
- 2010 **Moorthy**, Jarugu Narasimha, b. 1964, Ph.D. (IISc), Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7438, Res. (0512) 259 8527, Mobile: 94503 43016, Fax (0512) 259 7436, email: moorthy@iitk.ac.in, sp. organic photochemistry; supramolecular chemistry; mechanistic organic chemistry & synthesis.
- 2012 **Mugesh**, Govindasamy, b. 1970, Ph.D. (IIT, Bombay), FNASc, Associate Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 2566, Res. (080) 2360 5888, Mobile: 94484 50108, Fax (080) 2360 2566, email: mugesh@ipc.iisc.ernet.in, sp. bioinorganic chemistry; chemical biology; medicinal chemistry.
- 2001 **Mukerjee**, Rahul, b. 1956, Ph.D. (Calcutta), FNA, FNASc, Professor, Indian Institute of Management, Joka, Diamond Harbour Road, Kolkata 700 104, Tel. Off. (033) 2467 8300, Res. (033) 2423 9712, Fax (033) 2467 8307, email: rmuk0902@gmail.com, sp. design of experiments; asymptotic theory; survey sampling.
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Elected
Year

- 1987 **Mukherjee**, Debashis, b. 1946, Ph.D. (Calcutta), FNA, FNASc, FTWAS, Emeritus Professor, Raman Centre for Atomic, Molecular & Optical Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 1144, Res. (033) 2412 5890, Mobile: 93310 19518, Fax (033) 2473 2805, email: pcdm@iacs.res.in; pcdemu@gmail.com, URL: www.iacs.res.in/pcdm.html, sp. theoretical chemistry; theoretical spectroscopy.
- 1999 **Mukherjee**, Rabindra Nath, b. 1953, Ph.D. (Calcutta), FNA, Director, Indian Institute of Science Education & Research, BCKV P.O., Mohanpur, Nadia 741 252, Tel. Off. (033) 2587 3017, Res. (033) 6451 0542, Mobile: 99308 39343; 99033 82482, Fax (033) 2587 3028, email: rnm@iiserkol.ac.in; director@iiserkol.ac.in; rnm@iitk.ac.in, URL: home.iitk.ac.in/~rnm, sp. inorganic chemistry; bioinorganic chemistry.
- 2005 **Mukherjee**, Sunil Kumar, b. 1950, Ph.D. (Calcutta), FNASc, FNA, NASI Senior Scientist, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1175, Res. (011) 2689 5815, Mobile: 98719 95629, Fax (011) 2674 2316, email: sunilmukherjee@hotmail.com, sp. molecular biology; extra chromosomal DNA replication; plant viral pathogenesis & RNAi.
- 2000 **Mukhi**, Sunil, b. 1956, Ph.D. (SUNY, Stony Brook), FNA, Coordinator, Physics Programme and Professor, Indian Institute of Science Education and Research, Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 6118, Mobile: 98672 01156, Fax (020) 2586 5315, email: sunil.mukhi@gmail.com, URL: <http://theory.tifr.res.in/~mukhi>, sp. string theory; quantum gravity; supersymmetry.
- 2010 **Mukhopadhyay**, Amitabha, b. 1959, Ph.D. (Jadavpur), FNASc, FNA, Staff Scientist VII, Cell Biology Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3596, Res. (011) 2674 1164, Mobile: 98108 87164, email: amitabha@nii.ac.in, sp. cell biology; host-pathogen interactions; drug delivery.
- 1988 **Mukhopadhyay**, Dhrubajyoti, b. 1938, Ph.D. (London), FNA, FNASc, INSA Honorary Scientist, Raman Centre for Applied & Interdisciplinary Sciences, Kolkata; Res. G-7, MIG Housing Estate, 25/3 Raja Manindra Road, Kolkata 700 037, Tel. (033) 2556 8099, Mobile: 94330 92581, email: dhruba_38@yahoo.co.uk, sp. structural geology; precambrian geology; metamorphic petrology.

Elected
Year

- 2013 **Mukhopadhyay**, Sangita, b. 1966, Ph.D. (Utkal), FNASc, Group Leader, Molecular Cell Biology Laboratory, Centre for DNA Fingerprinting and Diagnostics, 5-4-399/B, Nampally, Hyderabad 500 001, Tel. Off. (040) 2474 9423, Res. (040) 2700 6994, Mobile 94907 51094, Fax (040) 2474 9448, email: sangita@cdfd.org.in; sangitacdfd@gmail.com, URL: <http://www.cdfd.org.in/labpages/sangita.html>, sp. immunology; cell signalling; communicable disease.
- 1984 **Mukunda**, Hanasoge Suryanarayana Avadhany, b. 1943, Ph.D. (IISc), FNAE, Professor, Adviser, ABETS, CGP Laboratory, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0536; (080) 2293 2338, Res. (080) 2323 5014, Fax (080) 2360 1692, email: hsm.cgpl@gmail.com, sp. combustion aerodynamics; fluid mechanics; rocket propulsion; energy from bioresidues.
- 1975 **Mukunda**, Narasimhaiengar, b. 1939, Ph.D. (Rochester), FNA, FNASc, FTWAS, Res. 103, 6th Main Road, Malleswaram, Bangalore 560 003, Tel. (080) 2334 8657, email: nmukunda@gmail.com, sp. theoretical particle physics; mathematical physics; mechanics; theoretical optics. **Council Service:** 1989–91, 1998–2012; Editor of Publications: 1998–2012, Vice-President: 2001–12.
- 1994 **Muniyappa**, Kalappa, b. 1952, Ph.D. (IISc), FNA, FNASc, FTWAS, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0278; (080) 2293 2235, Res. (080) 2360 1242, Fax (080) 2360 0814, email: kmhc@biochem.iisc.ernet.in, sp. molecular genetics; genetic recombination; telomere biology.
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- 1987 **Munjal**, Manohar Lal, b. 1945, Ph.D. (IISc), FNA, FNAE, FNASc, Honorary Professor and INAE Distinguished Professor, Facility of Research in Technical Acoustics, Department of Mechanical Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2303, Res. (080) 2341 4855, Fax (080) 2360 0648, email: munjal@mecheng.iisc.ernet.in, URL: www.mecheng.iisc.ernet.in/~frita, sp. technical acoustics; noise & vibration control; mufflers & silencers.
- 1998 **Muralidhar**, Kambadur, b. 1948, Ph.D. (IISc), FNA, FNASc, Professor, Department of Zoology, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 7443, Res. (011) 2766 6186, Mobile: 98109 27705, Fax (011) 2766 6564, email: kambadur@hotmail.com, kambadurmurali2001@rediffmail.com, sp. biochemistry; endocrinology; reproductive biology.

Elected
Year

- 1992 **Murthy**, Mathur Ramabhadraswamy Narasimha, b. 1950, Ph.D. (IISc), FNA, FNASc, FTWAS, Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2458, Res. (080) 2337 2981, Mobile: 99003 13742, Fax (080) 3416 0535, email: mrn@mbu.iisc.ernet.in, sp. macromolecular crystallography; virus structure & assembly; protein structure & function; X-ray diffraction.
- 2004 **Murthy**, Mundur Venkatasubbiah Nagaraja, b. 1953, Ph.D. (Mysore), Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3326, Res. (044) 2257 0652, Fax (044) 2254 1586, email: murthy@imsc.res.in, sp. particle physics; phenomenology; quantum statistics; semiclassical methods.
- 2009 **Murty**, Budaraju Srinivasa, b. 1964, Ph.D. (IISc), FNASc, FNAE, FASM, Professor, Department of Metallurgical & Materials Engineering, Indian Institute of Technology, Chennai 600 036, Tel. Off. (044) 2257 4754, Res. (044) 2257 6754, Mobile: 94440 77006, Fax (044) 2257 0509, email: murty@iitm.ac.in, URL: www.mme.iitm.ac.in/murty, sp. non-equilibrium processing; nanocrystalline materials & metallic glasses; high entropy alloys; *in-situ* composites.
- 2002 **Murty**, Sripada Venkata Satyasuranarayana, b. 1952, Ph.D. (IIT, Kanpur), Co-ordinator (PLANEX) and Senior Professor, Physical Research Laboratory, Ahmedabad 380 009, Tel. Off. (079) 2631 4358; (079) 2631 4408, Res. (079) 2673 1343, Fax (079) 2631 4407, email: murty@prl.res.in; murty_svs@yahoo.com, sp. early solar system & pre-solar processes; cosmochemistry of nitrogen & noble gases; mass spectrometry & planetary exploration.
- 2002 **Murty**, Thutupalli Gopala Krishna, b. 1944, Ph.D. (Adelaide), Adviser, ARCI, Hyderabad; Res. 848, 8th B Main, 17th Cross, ISRO Layout, Bangalore 560 078, Tel. Res. (080) 2686 0808, Mobile: 99011 55660, email: gkmtipalli@hotmail.com; murty.tgk@gmail.com, sp. optical engineering; thin film technology; electro-optical instrumentation; atmospheric science technologies.
- 2009 **Murugavel**, Ramaswamy, b. 1964, Ph.D. (IISc), Professor, Department of Chemistry, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7163, Res. (022) 2576 8163, Mobile: 98208 03249, Fax (022) 2572 3480, email: rmv@chem.iitb.ac.in, URL: www.chem.iitb.ac.in/~rmv, sp. inorganic & organometallic chemistry.

Elected
Year

- 1990 **Muthukkaruppan**, Veerappan, b. 1934, Ph.D. (Wisconsin), FNA, Professor, Director-Research, Aravind Medical Research Foundation, No. 1, Anna Nagar, Madurai 625 020, Tel. Off. (0452) 435 6550, Res. (0452) 245 6191, Mobile: 94432 79635, Fax (0452) 253 0984, email: muthu@aravind.org; drvrm2002@gmail.com, sp. immunology; angiogenesis in ocular diseases; ocular stem cells.
- 1989 **Nadkarni**, Mahendra Ganpatrao, b. 1939, Ph.D. (Brown), FNA, Emeritus Professor, Department of Mathematics, University of Bombay, Vidya Nagari, Kalina, Mumbai 400 098, Tel. Off. (022) 2652 8871, Res. (022) 2444 1093, email: mgnadkarni@gmail.com, 530 sp. ergodic theory; commutative harmonic analysis.
- 1993 **Nadkarni**, Vikas Madhusudan, b. 1947, Ph.D. (Delaware), Managing Director, Techcellence Consultancy Services Private Limited, 5 Pushkaraj, Pushpak Park, Aundh, Pune 411 007, Tel. Off. (020) 2588 1780, Res. (020) 2588 5146, Mobile: 98220 34477, Fax (020) 2588 1184, email: drvnm@vsnl.com, URL: www.vikastech.com, sp. polymer science & engineering; materials science; chemical engineering.
- 1992 **Nag**, Kamalaksha, b. 1942, Ph.D. (Calcutta), FNA, Emeritus Professor & INSA Senior Scientist, Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1352, Res. (033) 2406 6575, Mobile: 96745 13756, Fax (033) 2473 2805, email: ickn@iacs.res.in, URL: www.iacs.res.in/ickn.html, sp. inorganic chemistry.
- 2010 **Nagaraj**, Donihakalu Shankar, b. 1958, Ph.D. (Bombay), Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3271, Res. (044) 2451 6393, Fax (044) 2254 1586, email: dsn@imsc.res.in, sp. mathematics; algebraic geometry; vector bundles.
- 1992 **Nagaraj**, Ramakrishnan, b. 1953, Ph.D. (IISc), FNA, FNASc, Scientist, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2589; (040) 2716 0222, Res. (040) 2701 9882, Mobile: 98483 03895, Fax (040) 2716 0591, email: nrj@ccmb.res.in, sp. peptide conformation; membrane biochemistry; host-defence peptides; peptide & protein nanostructures.

Elected
Year

- 1999 **Nagaraja**, Valakunja, b. 1954, Ph.D. (IISc), FNA, FNASc, FTWAS, Professor, Microbiology and Cell Biology Department, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0668; (080) 2293 2598, Res. (080) 2341 8256, Fax (080) 2360 2697, email: vraj@mcbl.iisc.ernet.in, URL: <http://mcbl.iisc.ernet.in/vn.htm>, sp. protein-nucleic acid interactions; restriction-modification systems; molecular biology of mycobacteria; regulation of gene expression.
- 1974 **Nagarajan**, Kuppuswamy, b. 1930, Ph.D. (Madras), FNA, Corporate Adviser, Hikal Limited, R&D Centre, Kalena Agrahara, Bannerghatta Road, Bangalore 560 076; Alkem R&D Centre, 13th Cross, 4th Phase, Peenya Industrial Area, Bangalore 560 058, Tel. Off. (080) 3023 6212/8212; (080) 4149 2531, Res. (080) 2659 2351, Mobile: 98867 13958, Fax (080) 2658 4302; (080) 4149 2535, email: n_kuppuswamy@hotmail.com; k_nagarajan@hikal.com, sp. natural products; medicinal, pesticide & synthetic heterocyclic chemistry; applications of NMR to structure & reactivity.
- 2001 **Nagarajan**, Radhakrishnan, b. 1942, B.Sc. (Hons), Ph.D. (Delhi), FNA, FNASc, Emeritus Professor, UM-DAE-CBS, Mumbai; Res. 303, Dnyaneshwar, off D. Gaikwad Road (near Tambe Nagar Jain Temple), Mulund (West), Mumbai 400 080, Mobile: 93223 70689, email: nagjan2006@gmail.com, sp. superconductivity; magnetism; heavy fermion behaviour; Mössbauer spectroscopy; instrumentation; cryogenics.
- 2004 **Nageswara Rao**, Gullapalli, b. 1945, MD (Opthal.) (AIIMS), D.Sc. (h.c.), D. Med., FAMS, FACS, FRCS, FNASc, Distinguished Chair of Eye Health, LV Prasad Eye Institute, LV Prasad Marg, Banjara Hills, Hyderabad 500 034, Tel. Off. (040) 3061 2609, Fax (040) 2354 8271, email: gnrao@lvpei.org, sp. cornea; community eye health; eye care policy & planning.
- 1999 **Nair**, Gopalan Vijayakumaran, b. 1941, Ph.D. (Banaras & British Columbia), Raja Ramanna Fellow, Organic Chemistry Section, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram 695 019, Tel. Off. (0471) 249 0406, Res. (0471) 235 8707, Mobile: 98950 41707, Fax (0471) 249 1712, email: vijaynair.tvn@gmail.com; vijaynair_2001@yahoo.com, sp. synthetic organic chemistry; heterocyclic chemistry; medicinal chemistry.

Elected
Year

- 2012 **Nair**, Gopinath Balakrish, b. 1954, Ph.D. (Annamalai), FNASc, FNA, FTWAS, Executive Director, Translational Health Science and Technology Institute, 496, Udyog Vihar, Phase III, Gurgaon 122 016, Tel. Off. (0124) 287 6400, Res. (0124) 423 3633, Mobile: 99998 29379, Fax (0124) 287 6500, email: nairgb@thsti.res.in; gbnair_2000@yahoo.com, sp. clinical microbiology; molecular epidemiology; diarrhoeal diseases.
- 540
- 1995 **Nakra**, Bahadur Chand, b. 1939, Ph.D. (London), FNA, FNAE, FNASc, Professor of Eminence and Principal Adviser to GB, ITM University, HUDA Palam Vihar, Sector 23A, Gurgaon 122 017, Tel. Off. (0124) 236 5811/251, Res. (0124) 407 5668, Mobile: 98106 60668, email: bcnakra@itmindia.edu; bcnakra@hotmail.com, sp. vibration engineering; system dynamics; mechatronics.
- 2009 **Nandi**, Arun Kumar, b. 1955, Ph.D. (Jadavpur), Senior Professor, Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1561, Res. (033) 2435 1340, Fax (033) 2473 2805, email: psuakn@iacs.res.in, sp. polymer crystallization & gelation; polymer blends & hybrids; polymer nanocomposites; supramolecular polymers.
- 2008 **Nangia**, Ashwini, b. 1960, Ph.D. (Yale), FNA, FNASc, FRSC, Professor, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4854; (040) 2301 1338, Res. (040) 2332 7570, Mobile: 98481 55416, Fax (040) 2301 2460, email: ashwini.nangia@gmail.com, sp. organic chemistry; crystal engineering; supramolecular chemistry; polymorphism.
- 1984 **Nanjundiah**, Vidyanand, b. 1947, Ph.D. (Chicago), Developmental Biology & Genetics Laboratory, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2764, Res. (080) 2667 0631, Fax (080) 2360 0999, email: vidya@ces.iisc.ernet.in, sp. developmental biology; theoretical biology; evolution. **Council Service:** 2004–09.
- 1995 **Naqvi**, Syed Wajih Ahmad, b. 1954, Ph.D. (Pune), FNA, FNASc, FTWAS, Outstanding Scientist & Acting Director, National Institute of Oceanography, Dona Paula 403 004, Tel. Off. (0832) 245 0294, Res. (0832) 245 0786; (0832) 245 3463, Fax (0832) 245 0607, email: naqvi@nio.org, sp. chemical oceanography; palaeo-oceanography; aquatic biogeochemistry; global change.

Elected
Year

- 2009 **Narahari**, Yadati, b. 1959, Ph.D. (IISc), FNASc, FNAE, FIEEE, FNA, Professor, Department of Computer Science & Automation, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2773, Res. (080) 2331 0265, Fax (080) 2360 2911, email: hari@csa.iisc.ernet.in, URL: <http://lcm.csa.iisc.ernet.in/hari>, sp. game theory & mechanism design; electronic commerce internet; network economics.
- 1987 **Narain**, Prem, b. 1934, Ph.D. & D.Sc. (Edinburgh), FNA, FNASc, FNAAS, Res. B-3/27A, Lawrence Road, Keshav Puram, New Delhi 110 035, Tel. (011) 2710 5442, Mobile: 99107 62665, email: narainprem@hotmail.com; premn877@gmail.com, sp. statistical genetics & genomics.
- 1973 **Narasimha**, Roddam, b. 1933, B.E., Ph.D. (Caltech), FNA, FNASc, FRS, FTWAS, Foreign Assoc., Foreign Hon. Member, AAAS, US Natl. Acad. Engg. & US Natl. Acad. Sci., Honorary Professor, Engineering Mechanics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2999, Res. (080) 2341 2705, Fax (080) 2360 0865, email: roddam@caos.iisc.ernet.in, URL: <http://www.jncasr.ac.in/roddam/>, sp. aerospace engineering; fluid mechanics; atmospheric science & technology policy. **Council Service:** 1977–97; Secretary: 1980–85; Vice-President: 1986–91; President: 1992–94.
- 1984 **Narasimham**, Vemuri Syamala, b. 1937, Ph.D. (Bombay), FNASc, Res. 202, Vigyan, Sector 17, Plot 23, Vashi, Navi Mumbai 400 703, Tel. (022) 2766 6155, Mobile: 98197 14541, email: narasimham.vemuri@gmail.com, sp. cosmic ray physics; particle physics.
- 1970 **Narasimhan**, Mudumbai Seshachalu, b. 1932, Ph.D. (Bombay), FNA, FNASc, FRS, Honorary Fellow, Tata Institute of Fundamental Research & IMI Distinguished Associate, Department of Mathematics, Indian Institute of Science, Bangalore 560 012; Res. 9, Guruparadise Apartments, 24, 4th Main Road, Amarjyothi Layout, Sanjaynagar, Bangalore 560 094, Tel. Off. & Fax (080) 2360 5390, Res. (080) 2351 8865, Mobile: 98864 81457, email: narasim@math.tifrbng.res.in, sp. algebraic & differential geometry & analysis. **Council Service:** 1977–82; Vice-President: 1980–82.

Elected

Year

- 1983 **Narasimhan**, Nurani Sivaramakrishna, b. 1928, Ph.D. (Madras), FNA, Res. 22, Niyoshi Park II, D.P. Road, Aundh, Pune 411 007, Tel. (020) 2588 0178, email: nsn1928@gmail.com, sp. synthetic organic chemistry; chemistry of natural products; organolithium compounds.
- 1971 **Narasimhan**, Palliakaranai Thirumalai, b. 1928, Ph.D. (Madras), FNA, FNASc, 1013 Lupine Drive, Sunnyvale, CA 94086, USA, Tel. (+1-408) 773 9540, Mobile: (+1-626) 818 7723, email: ptn@caltech.edu; ptnfamily01@gmail.com, sp. theoretical chemistry; magnetic resonance.
- 2000 **Narasimhan**, Ramarathnam, b. 1960, Ph.D. (Caltech), FNA, FNAE, Professor & Chairman, Department of Mechanical Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2959, Res. (080) 2341 9667, Fax (080) 2360 0648, email: narasi@mecheng.iisc.ernet.in, sp. fracture mechanics; computational solid mechanics.
- 2010 **Narayan**, Kavassery Sureswaran, b. 1964, Ph.D. (Ohio State), FNASc, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2822, Res. (080) 2351 1402, Fax (080) 2208 2766, email: narayan@jncasr.ac.in, sp. organic/polymer electronics; device physics; soft matter physics.
- 1974 **Narayanamurti**, Venkatesh, b. 1939, Ph.D. (Cornell), Benjamin Pierce Professor of Technology and Public Policy & Professor of Physics, Harvard University, 107D, Pierce Hall, 29, Oxford Street, Cambridge, Massachusetts 02138, USA, Tel. Off. (+1-617) 384 8211, Res. (+1-617) 369 0990, Fax (+1-617) 496 5264, email: venky@seas.harvard.edu, sp. solid state; nanoscience; electronic materials; science policy.
- 2000 **Narendran**, Thekke Curuppathe, b. 1944, Ph.D. (Calicut), FIAE, Res. Co-ordinator, AICOPTAX, Zoological Survey of India, Jaffer Khan Colony, Calicut 673 006, Tel. (0494) 240 0302, Mobile: 94476 26016, email: drtcnarendran@yahoo.com, sp. systematic entomology.
- 1988 **Narlikar**, Anant Vishnu, b. 1940, Ph.D. (Cantab), Sc.D. (Cantab), FNA, FNASc, INSA Senior Scientist & Visiting Fellow, UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore 452 017, Tel. Off. (0731) 246 3913, Res. (0731) 246 0161, Fax (0731) 246 2294, email: narlikar@yahoo.com, sp. superconductivity; low temperature physics; STM & related techniques.

Elected
Year

- 1974 **Narlikar**, Jayant Vishnu, b. 1938, Sc.D. (Cantab), FNA, FNASc, FTWAS, Emeritus Professor, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4100/357, Res. (020) 2588 1150, Mobile: 94235 22142, Fax (020) 2560 4698-99, email: jvn@iucaa.ernet.in; jayant@iucaa.ernet.in, sp. cosmology; general relativity; gravitation. **Council Service:** 1986-88.
- 1993 **Natarajan**, Kotalai Ananthaiyer, b. 1942, Ph.D. (Minnesota), D.Sc. (IISc), FNASc, FNAE, NASI Senior Scientist and Emeritus Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2679, Res. (080) 2364 6499, Mobile: 98802 50091, Fax (080) 2360 0472, email: kan@materials.iisc.ernet.in, sp. mineral processing; hydro-metallurgy; biomineral technology; corrosion engineering.
- 1987 **Natarajan**, Paramasivam, b. 1940, Ph.D. (USC, LA), FNA, Emeritus Professor & INSA Senior Scientist, National Centre for Ultrafast Processes, University of Madras, Taramani Campus, Chennai 600 113, Tel Off. (044) 2454 7192, Res. (044) 2447 2332, Mobile: 94448 70993, Fax (044) 2492 6709, email: pnatarajan@hotmail.com, sp. inorganic photochemistry; laser flash photolysis; chemical conversion of solar energy.
- 560
- 2009 **Natarajan**, Srinivasan, b. 1960, Ph.D. (Madras), FNASc, FNA, Professor, Framework Solids Laboratory, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2551, Res. (080) 2341 7591, Mobile: 94489 37430, Fax (080) 2360 1310, email: snatarajan@sscu.iisc.ernet.in; rajan1960@gmail.com, sp. inorganic materials chemistry; solid state chemistry.
- 1981 **Nath**, Girishwar, b. 1932, Ph.D. (Budapest), Res. c/o Dr S.K. Sinha, Type IV/17, KNIT Campus, Kamala Nehru Institute of Technology, Sultanpur 228 118, sp. fluid mechanics; magneto-hydrodynamics; turbomachines.
- 2010 **Navalgund**, Ranganath Ramarao, b. 1948, Ph.D. (TIFR), Vikram Sarabhai Professor, ISRO Head Quarters, Antariksh Bhavan, New BEL Road, Bangalore 560 094, Tel. Off. (080) 6452 1197, email: navalrr@gmail.com, sp. remote sensing; space applications; magnetic resonance.

Elected
Year

- 1988 **Nayak**, Nabeen Chandra, b. 1931, MD (Lucknow), FRC Path., FNA, FAMS, Professor, Senior Consultant & Head, Department of Histopathology, Sir Gangaram Hospital, Rajinder Nagar, New Delhi 110 060, Tel. Off. (011) 4225 2133; (011) 4225 2137, Mobile: 90138 20308, email: dr_ncnayak@yahoo.com, sp. pathology; oncology; liver diseases.
- 2013 **Nayak**, Tapan Kumar, b. 1958, Ph.D. (Michigan State), Head, Experimental High Energy Physics and Applications Group, Variable Energy Cyclotron Centre, Kolkata 700 064, Tel. Off. (033) 2318 2311, Res. (033) 2334 8289, Mobile: 98368 93945, Fax (033) 2334 6871, email: nayak@vecc.gov.in, URL: <http://nayak.web.cern.ch>, sp. nuclear & high energy physics experiment; QCD phase transition & quark gluon plasma; phases of nuclear matter.
- 1989 **Niazi**, Iqbal Ahmad, b. 1928, Ph.D. (McGill), FNASc, Res. D2/2276, Vasant Kunj, New Delhi 110 070, Tel. (011) 2613 2371, Mobile: 98101 78979, email: i_a_niazi@yahoo.co.in, sp. developmental biology of animals & regeneration.
- 2001 **Nitsure**, Nitin, b. 1957, Ph.D. (Bombay), Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2247, Res. (022) 2280 4751, Fax (022) 2280 4610, email: nitsure@math.tifr.res.in, sp. algebraic geometry.
- 2009 **Nityanand**, Soniya, b. 1962, MD (Lucknow), Ph.D. (Karolinska), FNASc, Professor & Head, Department of Hematology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Rae Bareilly Road, Lucknow 226 014, Tel. Off. (0522) 266 8700; (0522) 266 8800, Res. (0522) 278 8587, Mobile: 94150 18833, Fax (0522) 266 8017, email: soniya@srgpi.ac.in; soniya_nityanand@yahoo.co.in, sp. immunology; haematology.
- 1986 **Nityananda**, Rajaram, b. 1948, Ph.D. (Bangalore), FNA, FNASc, Indian Institute of Science Education and Research, Homi Bhabha Road, Pune 411 008, Tel. Off. (020) 2590 8001, Res. (020) 2580 6261, Mobile: 98238 96933, Fax (020) 2586 5315, email: rajaram.nityananda@iiserpune.ac.in; rajaram.nityananda@gmail.com, sp. astronomical optics; image processing; statistical problems in physics & astronomy. **Council Service:** 1989–94.

Elected
Year

- 1987 **Nori**, Madhav Vithal, b. 1949, Ph.D. (Bombay), FNA, Professor, Department of Mathematics, University of Chicago, 5734, South University Avenue, Chicago, IL 60637, USA, Tel. Off. (+1-773) 702 7327, Res. (+1-773) 684 1498, Fax (+1-773) 702 9787, email: nori@math.uchicago.edu, sp. algebraic geometry.
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- 1992 **Ogale**, Satishchandra Balkrishna, b. 1953, Ph.D. (Pune), FNASc, Chief Scientist & Coordinator, Center of Excellence in Solar Energy, Physical & Materials Chemistry Division, National Chemical Laboratory, Homi Bhabha Road, Pune 411 008, Tel. Off. (020) 2590 2260, Res. (020) 2543 5200; (020) 2544 2912, Mobile: 98226 28242, Fax (020) 2590 2636, email: satishogale@gmail.com; sb.ogale@ncl.res.in, sp. nanoscience & nanotechnology; metal oxide thin films & spintronics; dye-sensitized solar cells; solar water splitting, functional carbon for charge storage.
- 1986 **Padayatty**, Joseph Devassy, b. 1928, Ph.D. (St. Louis), FNA, Res. Karukutty 683 576, Ernakulam District, Tel. (0484) 261 2107, Mobile: 99473 29527, sp. biochemistry; molecular biology; re-combinant DNA.
- 1984 **Padmanaban**, Govindarajan, b. 1938, Ph.D. (IISc), FNA, FNASc, FTWAS, NASI-Platinum Jubilee Chair, Department of Biochemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. & Fax (080) 2360 1492; (080) 2293 2540, Res. (080) 2334 2223, email: geepee@biochem.iisc.ernet.in, sp. molecular biology; recombinant DNA; malarial parasite. **Council Service:** 1986–88, 1992–97; Vice-President: 1992–97.
- 1994 **Padmanabhan**, Kuppuswamy Anantha, b. 1945, Ph.D. & Sc.D. (Cantab), FNASc, FNAE, Research Adviser, TCS; University Chair Professor, School of Engineering Sciences & Technology and Centre for Nanotechnology, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4455, Res. (040) 2385 0814, Fax (040) 2301 2800, Mobile: 80087 77664, email: kapse@uohyd.ernet.in; ananthaster@gmail.com, URL: <http://home.iitk.ac.in/~kap>, sp. mechanical metallurgy; metal forming; plasticity & superplasticity; nanotechnology.

Elected
Year

- 1992 **Padmanabhan**, Thanu, b. 1957, Ph.D. (Bombay), FNA, FNASc, FTWAS, Dean (Academic Programmes) & Professor, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4106; (020) 2560 4100, Res. (020) 2569 2922, Fax (020) 2560 4699, email: paddy@iucaa.ernet.in; nabhan@iucaa.ernet.in, URL: www.iucaa.ernet.in/~paddy/, sp. gravitation; quantum theory; cosmology; structure formation. **Council Service:** 2013–.
- 1979 **Pai**, Mangalore Anantha, b. 1931, Ph.D. (UC Berkeley), FNA, FNAE, FIEEE, Emeritus Professor, Department of Electrical & Computer Engineering, University of Illinois, 1406 West Green Street, Urbana, IL 61801, USA, Tel. Off. (+1-217) 333 6790, Res. (+1-217) 344 0977, Mobile: (+1-217) 417 9725, Fax (+1-217) 333 1162, email: mapai@illinois.edu, URL: http://www.indusscitech.net, sp. power systems: stability, control & computation.
- 2010 **Pal**, Amlan Jyoti, b. 1960, Ph.D. (Jadavpur), FNAE, Senior Professor & Head, Department of Solid State Physics, Indian Association for the Cultivation of Science, Kolkata 700 032, Tel. Off. (033) 2473 4971/1313, Res. (033) 2462 8574, Mobile: 94330 59564, Fax (033) 2473 2805, email: sspajp@iacs.res.in, URL: http://www.iacs.res.in/ssp/sspajp/, sp. organic electronics; nanophotovoltaics; device physics; nanomaterials.
- 2012 **Pal**, Arup Kumar, b. 1968, Ph.D. (ISI, Delhi), Professor, Statistics & Mathematics Unit, Indian Statistical Institute, 7, SJSS Marg, New Delhi 110 016, Tel. Off. (011) 4149 3921, Fax (011) 4149 3981, email: arupkpal@gmail.com; arup@isid.ac.in, URL: http://www.isid.ac.in/~arup/, sp. operator algebras; non-commutative geometry; quantum groups.
- 1994 **Pal**, Gaya Prasad, b. 1950, MS (Indore), D.Sc. (S. Gujarat), FNASc, FAMS, Professor & Head, Department of Anatomy, Modern Dental College & Research Centre, Gandhinagar, Indore 453 112, Tel. Off. (0731) 288 2693/290, Res. (0731) 249 7600, Mobile: 94254 96354, Fax (0731) 288 2700, email: gp_pal50@rediffmail.com, sp. human anatomy; clinical anatomy; biomechanics of spine.
- 1974 **Pal**, Manoj Kumar, b. 1932, D.Phil. (Calcutta), FNA, Res. Apartment 1B, 41, Lala Lajpat Rai Sarani, Kolkata 700 020, Tel. (033) 2475 6829, Mobile: 94335 81746, sp. nuclear physics.

Elected
Year

- 1996 **Pal, Sankar Kumar**, b. 1950, Ph.D. (Calcutta & London), FNA, FNASc, FNAE, FTWAS, FIEEE, Distinguished Scientist, Indian Statistical Institute, 203, B.T. Road, Kolkata 700 108, Tel. Off. (033) 2575 2041; (033) 2575 2040, Res. (033) 2577 2030; (033) 2577 5099, Mobile: 98311 01500, Fax (033) 2578 8699; (033) 2578 3357, email: sankar@isical.ac.in; sankarpal@yahoo.com, URL: www.isical.ac.in/~sankar, sp. pattern recognition & machine learning; image processing; data mining; soft computing; granular mining; computing with words; web intelligence; bioinformatics.
- 1996 **Pal, Sourav**, b. 1955, Ph.D. (Calcutta), FNASc, FNA, Director, National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2600, Res. (020) 2590 2480, Mobile: 98903 35662, Fax (020) 2590 2601, email: s.pal@ncl.res.in, URL: http://www.ncl.res.in/spal, sp. electronic structure theory; *ab initio* quantum chemistry; chemical reactivity; *ab initio* molecular dynamics.
- 1967 **Pal, Yash**, b. 1926, Ph.D. (MIT), FNA, Res. 11B, Super Deluxe Flats, Sector 15A, Noida 201 301, Tel. (0120) 251 2075, Mobile: 98112 91556, Fax (0120) 251 1256, email: palyash.pal@gmail.com, sp. physics; astrophysics; space technology; communications. **Council Service:** 1974–76.
- 2004 **Palaniandavar, Mallayan**, b. 1951, Ph.D. (MKU), DST-Ramanna National Fellow & Professor, Department of Chemistry, Central University of Tamil Nadu, Thiruvavur 610 004, Tel. Off. 94890 79402, Res. (0431) 245 7510, Mobile: 94436 44758, email: palanim51@yahoo.com; palaniandavar@cutn.ac.in, sp. bioinorganic chemistry; activation of molecular oxygen; functional models for metallo-proteins; interaction of metal complexes with DNA and proteins; metal-based anticancer drugs; targeted drug delivery using nanoparticles.
- 2007 **Palit, Dipak Kumar**, b. 1957, Ph.D. (Bombay), FNASc, Scientific Officer, Ultrafast & Discharge Chemistry Section, Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai 400 085, Tel. Off. (022) 2559 5091, Res. (022) 2557 1283, Mobile: 99691 49589, Fax (022) 2550 5151, email: dkpalit@barc.gov.in, sp. ultrafast spectroscopy; photo & radiation chemistry; chemical reaction dynamics in condensed phase.
- 1988 **Panchapakesan, Natarajan**, b. 1933, Ph.D. (Delhi), Res. C-192, S/F, Sarvodaya Enclave, New Delhi 110 017, Tel. (011) 2656 1358, Mobile: 98105 86446, email: panchu@bol.net.in; nargispanchu@gmail.com, sp. general relativity; cosmology; astroparticle physics.

Elected
Year

- 2008 **Panda**, Dulal, b. 1964, Ph.D. (Jadavpur), FNASc, Professor, Department of Biosciences & Bioengineering, Indian Institute of Technology, Mumbai 400 076, Tel. Off. (022) 2576 7838, Res. (022) 2572 0281, Mobile: 98203 91591, Fax (022) 2572 3480, email: panda@iitb.ac.in, sp. biochemistry; cell biology; biophysics.
- 1995 **Panda**, Subrat Kumar, b. 1954, MD (Path.) (AIIMS), FNA, Professor, Department of Pathology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 4924; (011) 2659 3493, Res. (011) 2658 8915; (011) 2658 8916, Mobile: 98104 77583, Fax (011) 2658 8663, email: pandask@hotmail.com; subrat@gmail.com, sp. liver pathology; viral hepatitis, molecular biology/virology.
- 2000 **Pandey**, Dhananjai, b. 1952, Ph.D. (Banaras), FNA, FNASc, Director, Indian Institute of Technology (BHU), Varanasi 221 005; Res. H-7, VDA Flats, Ravindrapuri Extension, Varanasi 221 005, Tel. Off. (0542) 236 8106; (0542) 670 2078, Res. (0542) 231 4658, Mobile: 94530 48510, Fax (0542) 236 8428, email: dpandey_bhu@yahoo.co.in, sp. condensed matter physics; materials science; crystallography; structural phase transitions; ferroics & multiferroics.
- 1993 **Pandey**, Ganesh Prasad, b. 1954, Ph.D. (Banaras), FNA, FNASc, Molecular Synthesis Laboratory, CBMR, Sanjay Gandhi PG Institute of Medical Sciences, Raibareli Road, Lucknow 226 014, Tel. Off. (0522) 249 5034, Mobile: 99701 71802, Fax (0522) 266 8215, email: gp.pandey@cbmr.res.in, sp. organic synthesis.
- 590
- 1997 **Pandey**, Prem Chand, b. 1945, Ph.D. (Allahabad), D.Sc (h.c.), FNASc, Emeritus Professor, School of Earth, Ocean & Climate Sciences, Indian Institute of Technology, Samantapuri, Bhubaneswar 751 013, Tel. Off. (0674) 257 6114, Mobile: 87638 65350, email: pcpandey@iitbbs.ac.in; pcpandey45@yahoo.co.in, sp. satellite oceanography; atmospheric sciences; climate change; polar research.
- 1985 **Pandian**, Thavamani Jegajothivel, b. 1939, Ph.D. (Madras), Dr. rer. nat. (Kiel, Germany), D.Sc. (CIFE, Mumbai), FNA, FNASc, FNAAS, FTWAS, Res. 9, Old Natham Road, opp. Balamandiram, Madurai 625 014, Tel. (0452) 264 0139, Mobile: 98421 64130, email: tjpandian16@gmail.com, sp. genetics: aquaculture.

Elected
Year

- 2008 **Pandit**, Aniruddha Bhalachandra, b. 1957, Ph.D. (Bombay), FNAE, FNA, FNASc, UGC Research Scientist & Professor, Institute of Chemical Technology, N.P. Marg, Matunga, Mumbai 400 019, Tel. Off. (022) 3361 1111-2, Res. (022) 2430 2660, Mobile: 98204 08037, Fax (022) 3361 1020, email: dr.pandit@gmail.com; ab.pandit@ictmumbai.edu.in, sp. design of multiphase reactors; cavitation phenomena; environmental engineering.
- 1996 **Pandit**, Rahul, b. 1956, Ph.D. (Illinois), FNA, Chairman, Division of Physical and Mathematical Sciences and Professor, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2863; (080) 2293 2249, Res. (080) 2664 7689, Mobile: 98452 30684, Fax (080) 2360 2602, email: rahul@physics.iisc.ernet.in, sp. statistical mechanics of phase transitions; condensed matter theory; spatiotemporal chaos and turbulence in fluids, plasmas and in mathematical models for cardiac tissue.
- 2005 **Pandita**, Pran Nath, b. 1949, Ph.D. (Kashmir), FNA, Professor and JC Bose National Fellow, Department of Physics, North-Eastern Hill University, Mawkyntoh-Umshing, Shillong 793 022, Tel. Off. (0364) 272 2823, Res. (0364) 255 0078, Fax (0364) 255 0076, email: pandita@iucaa.ernet.in, sp. theoretical high energy physics; astroparticle physics.
- 1974 **Pandya**, Sudhir Pradyumna, b. 1928, Ph.D. (Rochester), FNA, Res. 26, Mithila Society, opp. Shreyas School, Ahmedabad 380 015, email: sudhir.pandya@yahoo.com, sp. nuclear physics.
- 2012 **Pani**, Amiya Kumar, b. 1957, Ph.D. (IIT, Kanpur), FNASc, Institute Chair Professor, Department of Mathematics, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7481, Res. (022) 2576 8481, Fax (022) 2572 3480, Mobile: 97696 97481, email: akp@math.iitb.ac.in, sp. numerical analysis; partial differential equations; industrial mathematics.
- 2009 **Parameswaran**, Aryampilly Jayanthan, b. 1962, Ph.D. (Bombay), Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2222, Fax: (022) 2280 4610, Mobile: 94464 29164; 90041 99416, email: param@math.tifr.res.in; param_aj@yahoo.com, sp. algebraic geometry: singularity theory; vector bundles.

Elected
Year

- 1997 **Paranjape**, Kapil Hari, b. 1960, Ph.D. (Bombay), FNA, FNASc, Professor, Indian Institute of Science Education and Research, Knowledge City, Sector 81, Manauli P.O., SAS Nagar 140 306, Tel. Off. (0172) 224 0124, Res. (0172) 224 0019, Fax (0172) 224 0124, Mobile: 99152 69019, email: kapil@imsc.res.in; kapil@iisermohali.ac.in, URL: www.imsc.res.in/~kapil, sp. algebraic geometry; topology; differential geometry.
- 1975 **Paranjpe**, Pramod Anand, b. 1934, D.Sc. Tech. (ETH, Zurich), Res. 'Bahaar', 5, Hindustan Estate, Road No. 13, Kalyaninagar, Pune 411 006, Tel. (020) 2668 0255, email: papapp@pn2.vsnl.net.in, sp. turbomachinery; energy/propulsion systems.
- 600
- 1988 **Parimala**, Raman, b. 1948, Ph.D. (Bombay), FNA, FNASc, Arts and Sciences Distinguished Professor, Department of Mathematics & Computer Science, Emory University, 400 Dowman Drive W 401, Atlanta, GA 30322, USA, Tel. Off. (+1-404) 727 7577, Res. (+1-404) 444 8870, Fax (+1-404) 727 5611, email: parimala@mathcs.emory.edu, sp. algebra.
- 2008 **Parnaik**, Veena Krishnaji, b. 1953, Ph.D. (Ohio State), FNA, Chief Scientist, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2614, Res. (040) 2701 9882, Mobile: 98850 86220, Fax (040) 2716 0591, email: veenap@ccmb.res.in, sp. cell biology; molecular biology; lamins and nuclear organisation.
- 1974 **Parthasarathy**, Kalyanapuram Rangachari, b. 1936, Ph.D. (Calcutta), FNA, FNASc, FTWAS, Emeritus Professor, Indian Statistical Institute, 7, SJS Sansanwal Marg, New Delhi 110 016, Tel. Off. (011) 4149 3923; (011) 4149 3901, Res. (011) 2279 6447, Fax (011) 4149 3981, email: krp@isid.ac.in, sp. probability theory; group representations; quantum probability; quantum computing & information.
- 1982 **Parthasarathy**, Rajagopalan, b. 1945, Ph.D. (Bombay), D.Sc. (h.c.), FNA, FNASc, Raja Ramanna Fellow, Department of Mathematics, Bharathiar University, Coimbatore; Res. A-4, KTVR Balaji Shelter, Dr Ambedkar Road, Velandipalayam, Coimbatore 641 025, Tel. (0422) 297 6150, Mobile: 95002 33213, email: sarathy@math.tifr.res.in, sp. representations of semi-simple Lie groups; topological dynamical systems.

Elected
Year

- 1988 **Parthasarathy**, Thiruvenkatachari, b. 1941, Ph.D. (ISI, Calcutta), FNA, INSA Senior Scientist, SQC/OR Unit, Indian Statistical Institute, 37/110, Nelson Manikham Road, Chennai 600 029, Tel. Off. (044) 2374 0612; (044) 2374 0218, Res. (044) 2224 2133, Fax (044) 2374 0256, email: pacha14@yahoo.com, sp. mathematical theory of games; operations research; global univalence.
- 1984 **Parulkar**, Gurukumar Bhalchandra, b. 1931, MS (Mumbai), Consultant, Cardiovascular Surgery, Heart Institute, 95, August Kranti Marg, Mumbai 400 036, Tel. Off. (022) 2380 3336; (022) 2653 4444, Res. (022) 2353 6546, Fax (022) 2653 4242, email: gurukumar@gmail.com, sp. open heart surgery; extra-corporeal circulation; coronary bypass surgery; vascular surgery.
- 1986 **Passi**, Inder Bir Singh, b. 1939, Ph.D. (Exon), FNA, FNASc, Emeritus Professor, Department of Mathematics, Panjab University, Chandigarh & Honorary Professor, IISER, Mohali; Res. 381, Sector 38A, Chandigarh 160 014, Tel. Off. (0172) 254 1132, Res. (0172) 269 1824, Mobile: 98724 48638, email: ibspassi@yahoo.co.in; passi@pu.ac.in, sp. algebra.
- 1988 **Pasupathy**, Jagadisan, b. 1940, Ph.D. (Rochester), Res. 3286, 12th Main Road, HAL II Stage, Bangalore 560 008, Tel.(080) 2525 1592, Mobile: 99028 59450, email: jphome@gmail.com, sp. theoretical physics.
- 1993 **Pathak**, Kare Narain, b. 1941, Ph.D. (IIT, Kanpur), FNASc, FNA, Professor Emeritus & INSA Senior Scientist, Panjab University, Chandigarh; Res. 382, Sector 38A, Chandigarh 160 014, Tel. Off. (0172) 253 4467, Res. (0172) 269 9944, Mobile: 99883 60009, Fax (0172) 278 3336, email: pathak@pu.ac.in; knpathak26@gmail.com, sp. condensed matter physics.
- 2013 **Pati**, Arun Kumar, b. 1966, Ph.D. (Mumbai), Professor, Quantum Information and Computation Group, Physics Division, Harish Chandra Research Institute, Chhatnag Road, Jhansi, Allahabad 211 019, Tel Off. (0532) 227 4391, Mobile: 87566 12314, Fax: (0532) 256 9576; (0532) 256 7444, email: akpati@hri.res.in, URL: www.hri.res.in/~akpati/, sp. quantum information theory; quantum computing; foundations of quantum theory.

Elected
Year

- 2010 **Pati**, Swapan Kumar, b. 1968, Ph.D. (IISc), FNASc, Professor, Theoretical Sciences Unit & New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2839; (080) 2208 2575, Res. (080) 2363 5445, Mobile: 94485 60474, Fax (080) 2208 2766-67, email: pati@jncasr.ac.in; swapan.jnc@gmail.com, URL: www.jncasr.ac.in/pati/, sp. quantum magnetism; generalized charge transfer; linear and nonlinear optics; biological matter; quantum methods development.
- 1988 **Patnaik**, Lalit Mohan, b. 1946, Ph.D. & D.Sc. (IISc), FNA, FNASc, FNAE, FTWAS, FIEEE, Honorary Professor, Centre for Electronics Design and Technology, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2520, email: patnaiklm@yahoo.com; lalitblr@gmail.com, sp. computer science & engineering; information technology; electronics.
- 2010 **Patra**, Amit Kumar, b. 1966, Ph.D. (S.V. Univ.), Head, Ionospheric & Space Physics Group, National Atmospheric Research Laboratory, Gadanki, Pakala Mandal, Chittoor 517 112, Tel. Off. (08585) 27 2010, Res. (0877) 224 8805, Mobile: 99596 71098, Fax (08585) 27 2018, email: akpatra@narl.gov.in, sp. ionospheric electrodynamics & plasma instabilities; space weather; radar probing techniques.
- 1995 **Patwardhan**, Vilas Shridhar, b. 1947, Ph.D. (Purdue), FNAE, Res. 3, Vibha Heights, Sanewadi, Baner Road, Aundh, Pune 411 007, Tel. Off. (020) 2588 8126, Res. (020) 2588 2058, email: vspatw@vsnl.com, sp. computer simulation; mathematical modelling; multiphase reactions; software development; spreadsheet programming.
- 2000 **Pental**, Deepak, b. 1951, Ph.D. (Rutgers), D.Sc. (h.c. Nottingham), FNA, FNASc, FNAAS, Director, Centre for Genetic Manipulation of Crop Plants, University of Delhi South Campus, New Delhi 110 021, Tel. Off. (011) 2411 2609; (011) 2411 5203, Res. (011) 2411 2768, Fax (011) 2411 6392, email: dpental@gmail.com, sp. transgenic crops; breeding of oilseed mustard.
- 1994 **Periasamy**, Mariappan, b. 1952, Ph.D. (IISc), FNA, Professor, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4814, Res. (040) 2301 0904, Mobile: 99490 93904, Fax (040) 2301 2460, email: mpssc@uohyd.ernet.in, sp. organic chemistry; organometallics; chiral reagents; renewable resources development.

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Year

- 1994 **Periasamy**, Nallagounder, b. 1946, Ph.D. (Bombay), FNA, FNASc, Res. No. 303, Golf Manor, NAL Wind Tunnel Road, Murugeshpalya, Bangalore 560 017, Mobile: 97419 12592, email: peri46@gmail.com; peri@tifr.res.in, sp. fluorescence spectroscopy & applications; physical chemistry; materials chemistry; organic electronics.
- 2004 **Pillai**, Madhavan Radhakrishna, b. 1960, FRC Path. (London), Ph.D. (Kerala), FNASc, FAMS, Director, Rajiv Gandhi Centre for Biotechnology, Jagathi, Thiruvananthapuram 695 014, Tel. Off. (0471) 234 7973; (0471) 234 1716, Res. (0471) 273 3819, Mobile: 94471 45776; 99951 99993, Fax (0471) 234 9303, email: mrpillai@rgcb.res.in, sp. tumour biology; molecular biology; drug development.
- 1992 **Pillai**, Valliyil Narayanan Rajasekharan, b. 1949, Ph.D. (Kerala), Principal Secretary (S&T), Government of Kerala; Executive Vice-President, Kerala State Council for Science, Technology & Environment, Sasthra Bhavan, Pattom P.O., Thiruvananthapuram 695 004, Tel. Off. (0471) 254 3557, Res. (0471) 236 3035, Mobile: 94464 30555, Fax (0471) 254 0085, email: rajasekharpillai@gmail.com; evp@kscste.org, sp. bio-organic chemistry; synthetic organic chemistry; macro-molecular science.
- 2003 **Pitchappan**, Ramaswamy, b. 1946, Ph.D. (MKU), FAMS, Regional Director, The Genographic – India, Madurai; Director-Research, Chettinad Academy of Research & Education, Chettinad Health City, OMR Road, Kelampakkam, Chennai 603 103, Tel. Off. (044) 4742 9040; (044) 4742 9050, Res. (044) 4742 9510; (0452) 256 9889, Mobile: 97104 01000; 94430 66798, Fax (044) 4741 1011, email: pitchappanrm@yahoo.co.uk, URL: <http://182.73.176.163/chc/scientists/pitchappan.pdf>, sp. human immunogenetics; human genomics; immunology of infectious diseases; transplantation immunology.
- 1986 **Pitke**, Madhukar Vishwanath, b. 1936, Ph.D. (Bombay), FIEEE, Res. 002, Buniyad, Yashodham A2-15, Goregaon (East), Mumbai 400 063, Tel. Off. & Res. (022) 2841 5252, Mobile: 99670 31266, Fax (022) 2843 1266, email: pitke@vsnl.com, sp. electronics; telecommunication & information technology; technology transfer; wireless communication.

Elected
Year

- 2012 **Porsezian**, Kuppuswamy, b. 1963, Ph.D. (Bharathidasan), Professor, Department of Physics, Pondicherry University, Kalapet, Puducherry 605 014, Tel. Off. (0413) 265 4403, Res. (0413) 235 4518, Mobile: 94425 88553, Fax (0413) 265 5183, email: ponz.phy@pondiuni.edu.in; ponzsol@yahoo.com, sp. solitons; modulational instability; nonlinear fibre optics; partial differential equations.
- 2009 **Pradeep**, Thalappil, b. 1963, Ph.D. (IISc), Professor, Department of Chemistry, Indian Institute of Technology, Chennai 600 036, Tel. Off. (044) 2257 4208, Res. (044) 2257 6208, Mobile: 94455 60767, Fax (044) 2257 0509, email: pradeep@iitm.ac.in, URL: <http://www.dstuns.iitm.ac.in/pradeep-research-group.php>, sp. molecular & nanoscale materials; nanoscience & nanotechnology; molecular surfaces; ion scattering; instrumentation.
- 1974 **Pradhan**, Trilochan, b. 1929, Ph.D. (Chicago), Emeritus Professor, Institute of Physics, Sachivalaya Marg, Bhubaneswar 751 005, Tel. Off. (0674) 230 1058, Res. (0674) 230 0962, Fax (0674) 230 0142, email: pradhan@iopb.res.in, sp. elementary particles & high energy physics; plasma physics; atomic physics.
- 1992 **Prakasa Rao**, Bhagavatula Lakshmi Surya, b. 1942, Ph.D. (Michigan State), FNA, FNASc, Ramanujan Chair Professor, CR Rao Advanced Institute of Mathematics, Statistics and Computer Science, University of Hyderabad Campus, Hyderabad 500 046, Tel. Off. (040) 2301 3118, Res. (040) 2766 0162, Mobile: 99491 85041, email: blsprao@gmail.com, URL: <http://www.isid.ac.in/~statmath/oldweb/homepageblsp/>, sp. mathematical statistics.
- 1995 **Prakash**, Vishweshwaraiah, b. 1951, Ph.D. (Mysore), FNASc, FNAE, FNAAS, Distinguished Scientist of CSIR – India; Honorary Director of Research, Innovation & Development, JSS MVP, JSS Technical Institutions Complex, Mysore 570 006, Tel. Off. (0821) 425 7125; (0821) 254 8307, Res. (0821) 251 0054, Fax (0821) 254 3411, email: prakashvish@gmail.com, sp. physical biochemistry; chemistry of macro-molecules; biophysics of proteins; enzymes & thermodynamics; food chemistry; food biotechnology; nutrition and food science; nutraceuticals; ayurceuticals.

Elected
Year

- 1995 **Prasad**, Dipendra, b. 1960, Ph.D. (Harvard), FNA, FNASc, Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2236, Res. (022) 2278 3236, Mobile: 99309 88824, Fax (022) 2280 4610, email: dprasad@math.tifr.res.in; dipendra_pd@yahoo.com, sp. automorphic forms; number theory.
- 1984 **Prasad**, Gopal, b. 1945, Ph.D. (Bombay), FNA, Raoul Bott Professor of Mathematics, The University of Michigan, Ann Arbor, Michigan 48109-1043, USA, Tel. Off. (+1-734) 764 0372, Res. (+1-917) 526 3471, Fax (+1-734) 763 0937, email: gprasad@umich.edu, sp. Lie groups; algebraic groups; arithmetic groups.
- 2003 **Prasad**, Guntupalli Veera Raghavendra, b. 1958, Ph.D. (Panjab), FNA, FNASc, FTWAS, Professor, Department of Geology, Centre for Advanced Studies, University of Delhi, Delhi 110 007, Tel. Off. (011) 2766 7073, Mobile: 98682 07140, email: pguntupalli@rediffmail.com; guntupalli.vrprasad@gmail.com, sp. vertebrate palaeontology: evolution of mesozoic mammals in India; cretaceous palaeo-biogeography of India.
- 1985 **Prasad**, Phoolan, b. 1944, Ph.D. (IISc), FNA, FNASc, NASI Senior Scientist & Platinum Jubilee Fellow, Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3205; (080) 2293 2267, Res. (080) 2337 1039, Mobile: 94484 61299, Fax (080) 2360 0146, email: prasad@math.iisc.ernet.in, URL: <http://math.iisc.ernet.in/~prasad/>, sp. theory of wave-propagation; partial differential equations; fluid mechanics.
- 630
- 2000 **Prasad**, Rajendra, b. 1947, Ph.D. (Agra), FNASc, FNA, Professor, School of Life Sciences, Jawaharlal Nehru University, New Mehrauli Road, New Delhi 110 067, Tel. Off. (011) 2670 4509, Res. (011) 2674 1580, Mobile: 98109 74443, Fax (011) 2674 1081, email: rp47@mail.jnu.ac.in; rp47jnu@gmail.com, URL: www.jnu.ac.in/faculty/rp/, sp. membrane biology; yeast genetics & molecular biology; medical mycology.
- 1997 **Prasad**, Surendra, b. 1948, Ph.D. (IIT, Delhi), FNA, FNAE, FNASc, Professor of Electrical Engineering, Indian Institute of Technology, Hauz Khas, New Delhi 110 016, Tel. Off. (011) 2658 6201; (011) 2659 1115, Res. (011) 2658 1876, Fax (011) 2658 2659, email: sprasad@ee.iitd.ac.in, sp. signal processing; communication theory; speech processing. **Council Service:** 2007–12.

Elected
Year

- 1991 **Prasad**, Yellapregada Venkata Rama Krishna, b. 1944, Ph.D. (IISc), FNA, Res. B/2, Hospital Extension, Vinayaka Nagar, Hebbal, Bangalore 560 024, Tel. (080) 2333 0673, email: prasad@processingmaps.com; prasad_yvrk@hotmail.com, sp. deformation processing; process modelling; deterministic chaos; microstructural control.
- 1994 **Prasada Rao**, Turaga Sundara Rama, b. 1939, Ph.D. (Andhra), FNAE, Res. SFS Flat, No. 600, DDA/HIG Flats, Sector 13, Phase 2, Dwaraka, New Delhi 110 045, Mobile: 98103 38091, email: tsrpr@hotmail.com, sp. petroleum refining & heterogeneous catalysis.
- 1991 **Prathap**, Gangan, b. 1951, Ph.D. (IIT, Chennai), FNA, Director, National Institute of Science Communication and Information Resources, New Delhi 110 012, Tel. Off. (011) 2584 6024; (011) 2584 8385, Res. (011) 2874 1045, Fax (011) 2584 7062, email: gp@niscair.res.in; director@niscair.res.in, sp. structural mechanics; finite element method; composite materials; information science.
- 2006 **Puri**, Sanjay, b. 1961, Ph.D. (Illinois), Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4634, Res. (011) 2674 1084, Mobile: 98185 52477, Fax (011) 2619 4137, email: purijnu@gmail.com, URL: www.jnu.ac.in/Faculty/spuri, sp. statistical physics; condensed matter physics; nonlinear dynamics.
- 2003 **Purnachandra Rao**, Venigalla, b. 1955, Ph.D. (Andhra), Scientist, Geological Oceanography Division, National Institute of Oceanography, Dona Paula 403 004, Tel. Off. (0832) 245 0505, Res. (0832) 245 3471, Mobile: 94224 16008, Fax (0832) 245 0602, email: vprao@nio.org, sp. marine geology; authigenic minerals; palaeo-sea-levels; palaeoclimate.
- 1976 **Qasim**, Syed Zahoor, b. 1926, D.Sc. (Wales), FNA, FNAAS, FTWAS, Chairman, Centre for Ocean and Environmental Studies, A-2 (Basement), East of Kailash, New Delhi 110 065, Tel. Off. (011) 4607 8340, Res. (011) 2433 7626, email: zqasim@hotmail.com, sp. oceanography. **Council Service:** 1977–79.
- 2000 **Radhakrishna**, Tallavajhala, b. 1954, Ph.D. (Andhra), Scientist, Centre for Earth Science Studies, Akkulam, Thiruvananthapuram 695 031, Tel. Off. (0471) 251 1657, Res. (0471) 272 3843, Fax (0471) 244 2280, email: tradha1@rediffmail.com, sp. geochemistry & igneous petrology; palaeomagnetism; geodynamics.

Elected
Year

- 2007 **Radhakrishnan**, Jaikumar, b. 1964, Ph.D. (Rutgers), Professor, School of Technology & Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2311, Res. (022) 2278 3311, Fax (022) 2280 4610, email: jaikumar@tifr.res.in, sp. algorithms; computation complexity; information theory; combinatorics; quantum computing.
- 2004 **Radhakrishnan**, Thavarool Puthiyedath, b. 1960, Ph.D. (Princeton), Professor, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2301 1068; (040) 2313 4827, Res. (040) 2980 2989, Fax (040) 2301 2460, email: tprsc@uohyd.ernet.in; tprsc1@gmail.com, URL: <http://chemistry.uohyd.ernet.in/~tpr>, sp. materials chemistry.
- 2009 **Raghava**, Gajendra Pal Singh, b. 1963, Ph.D. (Chandigarh), FNASc, Scientist & Head, Bioinformatics Centre, Institute of Microbial Technology, Sector-39A, Chandigarh 160 036, Tel. Off. (0172) 269 0557, Fax (0172) 269 0632, email: raghava@imtech.res.in, URL: <http://www.imtech.res.in/raghava/about.html>, sp. bioinformatics; genome annotation; functional annotation of proteomes; searching drug targets; subunit vaccine design.
- 2011 **Raghavan**, Komaranapuram Navaneetham, b. 1964, Ph.D. (Purdue), Professor H, Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3264, Res. (044) 2844 1505, Mobile: 94456 31505, Fax (044) 2254 1586, email: knr@imsc.res.in, sp. representation theory.
- 1975 **Raghavan**, Srinivasacharya, b. 1934, Ph.D. (Bombay), FNA, Res. 1A, Abhinaya Apartments, 14 (old 41), Sastrinagar, I Avenue, Adyar, Chennai 600 020, Tel. (044) 2498 4963, email: ragrad@gmail.com, sp. number theory; automorphic functions.
- 1999 **Raghavendra**, Agepati Srinivasa, b. 1950, Ph.D. (SV Univ, Tirupati), FNA, FNASc, FNAAS, FTWAS, Professor, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2301 0630, Res. (040) 6776 6124, Mobile: 98491 07190, Fax (040) 2301 0120, email: asrsl@uohyd.ernet.in; as_raghavendra@yahoo.com, sp. plant physiology/biochemistry; photosynthesis; signal transduction.
Council Service: 2010–12.

Elected
Year

- 1974 **Raghunathan**, Madabusi Santanam, b. 1941, Ph.D. (Bombay), FNA, FNASc, FTWAS, FRS, NASI Platinum Jubilee Professor and Distinguished Guest Professor, Department of Mathematics, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9453, Res. (022) 2550 4766, Mobile: 98690 13889, Fax (022) 2572 3480, email: msr@math.iitb.ac.in, sp. Lie groups & algebraic groups. **Council Service**: 1983–91.
- 2005 **Raghunathan**, Velayudhan Anandavally, b. 1960, Ph.D. (Mysore), Professor, Raman Research Institute, C.V. Raman Avenue, Sadashivanagar, Bangalore 560 080, Tel. Off. 94808 36154, Res. (080) 2344 8940, Fax (080) 2361 0492, email: varaghu@rri.res.in, sp. soft matter physics; scattering techniques.
- 1996 **Rai**, Shyam Sundar, b. 1954, Ph.D. (ISM, Dhanbad), FNA, FNASc, JC Bose National Fellow, Chief Scientist & Group Leader, Seismic Tomography Project, National Geophysical Research Institute, Uppal Road, Hyderabad 500 606, Tel. Off. (040) 2343 4627, email: shyamsrai@gmail.com, sp. seismology & electromagnetic exploration. **Council Service**: 2013–.
- 2005 **Rai Choudhuri**, Arnab, b. 1956, Ph.D. (Chicago), FNASc, FNA, Professor, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 3481, Res. (080) 2360 3664, Fax (080) 2360 2602, email: arnab@physics.iisc.ernet.in, sp. theoretical astrophysics; magnetohydrodynamics; solar physics.
- 1985 **Rai Choudhury**, Sudhendu, b. 1941, Ph.D. (Delhi), Professor, Indian Institute of Science Education & Research, Transit Campus: ITI (Gas Rahat) Building, Govindapura, Bhopal 462 023, Tel. (0755) 409 2319, Mobile: 90394 21948, Fax (0755) 409 2392, email: src@iiserbhopal.ac.in; srai.choudhury@gmail.com, sp. particle physics.
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- 1974 **Raja Gopal**, Erode Subramanian, b. 1936, Ph.D. (IISc), D.Sc. (h.c.), FNA, FNASc, Emeritus Scientist, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2529, Res. (080) 2334 7449, Mobile: 98800 93745, Fax (080) 2360 2602, email: gopal@physics.iisc.ernet.in, sp. solid state physics; statistical physics; instrumentation.
- 1974 **Rajagopalan**, Sundarapandium Rama, b. 1931, Ph.D. (Madras), Res. B4/1, Vijay Kiran Apartments, 32, Victoria Road, Bangalore 560 047, Tel. (080) 2557 6755, sp. electrochemistry.

Elected
Year

- 1990 **Rajamani**, Vedharaman, b. 1944, Ph.D. (SUNY, Stony Brook), FNA, Res. 1209, Sector A, Pocket B, Vasant Kunj, New Delhi 110 070, Tel. (011) 2689 3159, Mobile: 99101 81299, email: rajav_46@yahoo.com, sp. geochemistry; rock weathering; soil/sediment genesis; farmland geology.
- 2005 **Rajan**, Conjeeveram Srirangachari, b. 1961, Ph.D. (Bombay), Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2665, Res. (022) 2280 4643, Fax (022) 2280 4610, email: rajan@math.tifr.res.in, sp. automorphic forms; arithmetic geometry; representation theory.
- 1982 **Rajappa**, Srinivasachari, b. 1934, Ph.D. (Madras), FNA, Res. B-1, Melody Apartments, Plot No. 12, ICS Colony, Pune 411 007, Tel. (020) 2553 6395, Mobile: 98901 47478, email: p_rajappa@vsnl.com, sp. synthetic organic chemistry.
- 1978 **Rajaraman**, Ramamurti, b. 1939, Ph.D. (Cornell), FNA, Emeritus Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4785, Res. (011) 2612 3485, Mobile: 98181 60651, Fax (011) 2674 1537, email: doug0700@mail.jnu.ac.in; prof_rajaraman@yahoo.com, URL: <http://www.jnu.ac.in/Faculty/rajaraman>, sp. theories of elementary particles; quantum field theory & many-body theory; military and civilian nuclear policy.
- 1974 **Rajaraman**, Vaidyeswaran, b. 1933, S.M. (MIT), Ph.D. (Wisconsin), D.Sc. (h.c.), FNA, FNASc, FNAE, Honorary Professor, Super-computer Education & Research Centre, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0811, Res. (080) 2341 9672, Fax (080) 2360 0805, email: rajaram@serc.iisc.ernet.in, URL: www.serc.iisc.ernet.in/~rajaram/, sp. computer science; information systems design.
- 1983 **Rajasekaran**, Guruswamy, b. 1936, Ph.D. (Chicago), FNA, FNASc, Adjunct Professor, Chennai Mathematical Institute, Chennai, Tel. Off. (044) 2747 0228; Emeritus Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3206, Res. (044) 2441 3395, Fax (044) 2254 1586, email: graj@imsc.res.in, sp. quantum field theory; high energy physics.

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Year

- 2006 **Rajasekharan, Ram**, b. 1960, Ph.D. (IISc), FNASc, FNAAS, Director, Central Food Technological Research Institute, Mysore 570 020, Tel. Off. (0821) 251 7760, Fax (0821) 251 6308, email: director@cftri.com; director@cftri.res.in, sp. lipid metabolism; plant biotechnology.
- 2012 **Rajeevan, Madhavan Nair**, b. 1961, Ph.D. (Pune), Scientist G, Ministry of Earth Sciences, Prithvi Bhavan, Mausam Bhavan Campus, Opposite India Habitat Centre, Lodi Road, New Delhi 110 003, Tel. Off. (011) 2466 9541, Mobile: 85059 02700, Fax (011) 2462 9779, email: rajeevan61@yahoo.co.in; mn.rajeevan@nic.in, sp. climate variability & change; monsoon prediction.
- 660
- 2011 **Rajshekhar, Vedantam**, b. 1959, M.Ch. (Vellore), FAMS, Department of Neurological Sciences, Christian Medical College, Vellore 632 004, Tel. Off. (0416) 228 2767, Res. (0416) 228 4214, Mobile: 98945 55304, Fax (0416) 223 2103, email: rajshekhar@cmcvellore.ac.in, sp. neurosurgery; cysticercosis, cervical spine surgery.
- 2005 **Raju, Trichur Ramaswamy**, b. 1952, Ph.D. (ANU), Professor & Head, Department of Neurophysiology, National Institute of Mental Health & Neurosciences, P.B. No. 2900, Bangalore 560 029, Tel. Off. (080) 2699 5168, Res. (080) 2539 2148, Mobile: 99802 30115, Fax (080) 2656 4830, email: trraju@nimhans.kar.nic.in; trraju@gmail.com, sp. developmental neuroscience; neuro-degeneration; neuronal plasticity.
- 2001 **Ram Sagar**, b. 1952, Ph.D. (Gorakhpur), FNASc, Director, Aryabhatta Research Institute of Observational Sciences (ARIES), Manora Peak, Nainital 263 129, Tel. Off. (05942) 23 5136; (05942) 30 4201, Res. (05942) 23 5053; (05942) 30 4401, Mobile: 94120 85436, Fax (05942) 23 3439, email: sagar@aries.res.in; ram_sagar0@yahoo.co.in, sp. astronomy & astrophysics; high energy physics.
- 1969 **Rama**, b. 1929, Ph.D. (Bombay), FNA, FNAAS, Res. Y-4, Sector 9, CBD, Navi Mumbai 400 614, Tel. (022) 2757 0081, email: rama139@yahoo.co.in, sp. isotope hydrology.

Elected
Year

- 1985 **Rama Rao**, Alla Venkata, b. 1935, Ph.D. (Tech.) (Mumbai), D.Sc. (Mumbai), FNA, FNASc, FTWAS, Chairman & Managing Director, AVRA Laboratories Private Limited, AVRA House, 7-102/54, Sai Enclave, Habsiguda, Hyderabad 500 007, Tel. Off. (040) 2717 8568; (040) 2717 8569, Res. (040) 2717 3360, Mobile: 98481 35163, Fax (040) 2717 5605, email: ramarao@avralab.com, URL: www.avralab.com, sp. organic chemistry; medicinal chemistry; drug technology.
- 1974 **Ramachandran**, Arcot, b. 1923, Ph.D. (Purdue), D.Sc. (h.c.), D.Ing. (h.c.), FNA, FNAE, Res. No. 3, Crescent Road, High Grounds, Bangalore 560 001, Tel. & Fax (080) 2225 5780, email: arcotsusila@gmail.com, sp. energy; heat; mass transfer.
- 1988 **Ramachandran**, Janakiraman, b. 1935, Ph.D. (UC, Berkeley), President, Gangagen Biotechnologies Private Limited, No. 12, 5th Cross, Raghavendra Layout, Tumkur Road, Yeshwanthpur, Bangalore 560 022, Tel. Off. (080) 4062 1300-28, Res. (080) 2846 3605, Mobile: 99007 04836, Fax (080) 4062 1329, email: jram@gangagen.com, sp. biochemistry; organic chemistry; molecular biology.
- 1990 **Ramachandran**, Raghavan, b. 1940, Ph.D. (Chicago), FNASc, Res. Flat 12, Khagol Society, Panchvati, Pashan, Pune 411 008, Tel. (020) 6607 5892, Mobile: 94220 04597, email: rr_1940@yahoo.co.in; rr@imsc.res.in, sp. particle physics.
- 1974 **Ramachandran**, Sundaresan, b. 1930, D.Sc. (MIT), Res. Vidya Theertha Kripa, No. 1, Siva Sundar Avenue, Thiruvanniyur, Chennai 600 041, Tel. (044) 2441 0185, email: sram@ureach.com, sp. alloy & stainless steel making; process metallurgical design & development.
- 1998 **Ramadas**, Trivandrum Ramakrishnan, b. 1955, Ph.D. (Bombay), Head, Mathematics Group, Abdus Salam International Centre for Theoretical Physics, Strada Costiera 11, 34100 Trieste, Italy, Tel. Off. (+39-040) 224 0267, Res. (+39-040) 347 6547, email: ramadas@ictp.it, sp. geometry; mathematical physics.

Elected
Year

- 2010 **Ramaiah**, Danaboyina, b. 1958, Ph.D. (IIT, Kanpur), Photo-sciences & Photonics Chemical Sciences & Technology Division, National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram 695 019, Tel. Off. (0471) 251 5362, Res. (0471) 249 3316, Mobile: 94475 86261, Fax (0471) 249 1712, email: rama@niist.res.in; d_ramaiah@rediffmail.com, URL: <http://www.niist.res.in/english/scientists/ramaiah-d-/personal.html>, sp. bioorganic chemistry; photobiology; biophysical chemistry; organic photochemistry.
- 2006 **Ramakrishna**, Balakrishnan Siddartha, b. 1952, Ph.D. (Madras), FNA, FAMS, Res. 235 Ring Road, Christian Medical College Campus, Vellore 632 002, Tel. Off. (0416) 228 2052, Res. (0416) 228 4233, Mobile: 99946 14890, Fax (0416) 223 2035, email: rama@cmcvellore.ac.in, sp. gastroenterology; transport physiology; cell biology; gastrointestinal microbiota; immunity.
- 1990 **Ramakrishnan**, Chandrasekharan, b. 1939, Ph.D. (Madras), FNA, Res. 'Kausthubam', 212, 7th Cross, 6th Main, Tata Nagar, Bangalore 560 092, Tel. Off. (080) 2293 3452, Res. (080) 2351 7566, Mobile: 98457 52493, email: ramkisak@yahoo.co.in, sp. molecular biophysics; protein structure; conformation & analysis through data mining.
- 1994 **Ramakrishnan**, Moni, b. 1940, Ph.D. (IISc), Res. Flat No. 8, Manipallavam Apartments, 29, Balakrishnan Road, Valmiki Nagar, Thiruvannamiyur, Chennai 600 041, Tel. (044) 2442 2068, Mobile: 99401 34126, email: emarkay1@hotmail.com; mramkris@gmail.com, sp. precambrian geology; geochemistry; petrology; geochronology.
- 1975 **Ramakrishnan**, Palayanoor Sivaswamy, b. 1936, Ph.D. (Banaras), FNA, FNASc, FTWAS, Emeritus Professor & INSA Honorary Senior Scientist, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2670 4326, Res. (0124) 408 5970, Mobile: 99585 14140, Fax (011) 2674 1262, email: psr@mail.jnu.ac.in, sp. socio-ecological systems; environment & sustainable development.
- 2002 **Ramakrishnan**, Srinivasan, b. 1956, Ph.D. (TIFR), Professor, Department of Condensed Matter & Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2257; (022) 2278 2410, Res. (022) 2280 4628, Mobile: 98672 30590, Fax (022) 2280 4610-1, email: ramky@tifr.res.in, sp. low temperature physics.

Elected
Year

- 2006 **Ramakrishnan**, Subramaniam, b. 1960, Ph.D. (Massachusetts), Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2744, Res. (080) 2360 8794, Fax (080) 2360 1552, email: raman@ipc.iisc.ernet.in, URL: <http://ipc.iisc.ernet.in/~raman/index.htm>, sp. polymer synthesis; polymer folding & assembly; hyper-branched polymers; polymerizable surfactants.
- 1980 **Ramakrishnan**, Tiruppattur Venkatachalamurti, b. 1941, Ph.D. (Columbia), FNA, FNASc, FTWAS, FRS, Emeritus Professor, Department of Physics, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 230 7327, Res. (0542) 236 7008, Mobile: 94483 63379, Fax (0542) 236 8468; Distinguished Associate, Centre for Condensed Matter Theory, Indian Institute of Science, Bangalore 560 012, Tel. (080) 2293 2581; (080) 2360 0228, email: tvrama2002@yahoo.co.in; tvrama@bhu.ac.in; tvrama@physics.iisc.ernet.in, sp. condensed matter physics; statistical mechanics. **Council Service:** 2004–09; President: 2004–06.
- 2010 **Ramamritham**, Krithivasan, b. 1955, Ph.D. (Utah), FNAE, FIEEE, Department of Computer Science & Engineering, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7740, Res. (022) 2576 8740, Mobile: 98206 33683, Fax (022) 2572 0022, email: krithi@cse.iitb.ac.in, sp. databases; real-time systems; use of information & communication technologies for socio-economic development.
- 1986 **Ramamurthy**, Vaidhyanathan, b. 1946, Ph.D. (Hawaii), Professor and Chair, Department of Chemistry, University of Miami, Coral Gables, FL 33124, USA, Tel. Off. (+1-305) 284 1534, Res. (+1-305) 667 0914, Fax (+1-305) 284 4571, email: murthy1@miami.edu, sp. photochemistry; supramolecular chemistry; organic solid state chemistry; chemistry in confined spaces.
- 680
- 1991 **Ramamurthy**, Valangiman Subramanian, b. 1942, Ph.D. (Bombay), FNA, FNASc, FNAE, FTWAS, Director, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore 560 012, Tel. Off. (080) 2360 1969, Res. (080) 2351 5920, Mobile: 99000 02178, Fax (080) 2218 5076, email: vsramamurthy@nias.iisc.ernet.in; vsramamurthy@nic.in, sp. nuclear physics; applications of low energy accelerator.

Elected
Year

- 2010 **Ramamurti**, Viswanatha, b. 1938, Ph.D. (IIT, Madras), FNA, FNAE, Res. 2 (New No. 5), Fourth Main, Kasturba Nagar, Chennai 600 020, Tel. (044) 2441 2590, Mobile: 98846 62621, email: ramamurti@hotmail.com, sp. vibrations; stress analysis.
- 2010 **Ramamurty**, Upadrasta, b. 1967, Ph.D. (Brown), FNAE, FNA, Department of Materials Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3241, Res. (080) 2351 8918, Fax (080) 2360 0472, email: ramu@materials.iisc.ernet.in, sp. mechanical behaviour of materials; advanced materials; nano-technology.
- 1996 **Raman**, Rajiva, b. 1948, Ph.D. (Banaras), FNA, FNASc, Professor, Department of Zoology, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 9905; (0542) 670 2522, Res. (0542) 257 0967, Mobile: 93361 52694, Fax (0542) 236 8174, email: raman@bhu.ac.in; rajiva.raman@yahoo.com, sp. human molecular genetics & cytogenetics; gene expression & chromatin organization in development; sex determination.
- 1974 **Ramanan**, Sundararaman, b. 1936, Ph.D. (Bombay), FNA, FNASc, Adjunct Professor, Chennai Mathematical Institute, Sipcot IT Park, Siruseri 603 103, Tel. Off. (044) 2254 3376, Res. (044) 2434 1169, Mobile 94445 49919, Fax (044) 2254 1856, email: sramanan@cmi.ac.in, sp. algebraic geometry & differential geometry.
- 2000 **Ramaraj**, Ramasamy, b. 1956, Ph.D. (Madras), D.Sc. (Japan), D.Sc. (MKU), FNASc, Professor & Director, Centre for Photo-electrochemistry, School of Chemistry, Madurai Kamaraj University, Madurai 625 021, Tel. Off. (0452) 245 9084, Res. (0452) 238 2399, Mobile: 89039 71420, email: ramarajr@yahoo.com, sp. photoelectrocatalysis & nanomaterials; chemically modified electrodes; solar energy conversion; catalysis; sensors.
- 1990 **Ramasami**, Thirumalachari, b. 1948, Ph.D. (Leeds), FNA, FNASc, FTWAS, Secretary, Department of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi 110 016, Tel. Off. (011) 2651 1439; (011) 2651 0068, Res. (011) 2611 2301, Fax (011) 2686 3847, email: dstsec@nic.in, sp. physical inorganic chemistry; bio-inorganic chemistry; leather science & technology. **Council Service:** 2004–2009, Vice-President: 2007–09.

Elected
Year

- 1992 **Ramasesha**, Suryanarayana Sastry, b. 1950, Ph.D. (IIT, Kanpur), FNA, FTWAS, Professor, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2925, Res. (080) 2341 5648, Mobile: 98452 12356, Fax (080) 2360 1310, email: ramasesh@sscu.iisc.ernet.in, sp. many-body quantum chemistry; low-dimensional solids; molecular electronics; molecular magnetism; nonlinear optics.
- 2002 **Ramasubramanian**, Sundareswaran, b. 1952, Ph.D. (ISI), Professor, Statistics & Mathematics Unit, Indian Statistical Institute, R.V. College Post, Bangalore 560 059, Tel. Off. (080) 2848 3002–3, 4&6/476, Res. (080) 2554 6608, Fax (080) 2848 4265, email: ram@isibang.ac.in; sunramin@gmail.com, sp. stochastic processes; reflected diffusions; Skorokhod problem & stochastic models in insurance.
- 1963 **Ramaswamy**, Melkote Krishnarao, b. 1931, Ph.D. (Johns Hopkins), Consultant, University of Indianapolis; Res. 3446 Heathcliff Court, Westfield, IN 46074-5520, USA, Tel. (+1-317) 804 9927, email: melramaswamy@gmail.com, sp. nuclear physics; positron annihilation; logistics; computer systems quality & security.
- 690
- 2007 **Ramaswamy**, Mythily, b. 1954, Ph.D. (Paris), FNASc, Professor, TIFR Centre for Applicable Mathematics, Sharada Nagar, Yelahanka New Town, Bangalore 560 065, Tel. Off. (080) 6695 3726; (080) 6695 3790, Res. (080) 2334 1138, Mobile: 98453 35387, Fax (080) 6695 3799, email: mythily@math.tifrbng.res.in, URL: math.tifrbng.res.in/~mythily, sp. nonlinear functional analysis; partial differential equations; applications to control problems.
- 1993 **Ramaswamy**, Ramakrishna, b. 1953, Ph.D. (Princeton), Vice Chancellor, University of Hyderabad, Gachibowli, Hyderabad 500 046, Tel. Off. (040) 2301 0121, Res. (040) 2300 3434, Mobile: 78930 93737, Fax (040) 2301 1090, email: rr@uohyd.ernet.in, r.ramaswamy@gmail.com, sp. nonlinear science; systems biology & bioinformatics; chemical dynamics. **Council Service:** 2010–; Vice-President: 2013–; Editor of Publications: 2013–.
- 1996 **Ramaswamy**, Sriram Rajagopal, b. 1957, Ph.D. (Chicago), FNA, TIFR Centre for Interdisciplinary Sciences, 21, Brundavan Colony, Narsingi, Hyderabad 500 075 (on lien from Department of Physics, Indian Institute of Science, Bangalore), Tel. Off. (040) 2419 5003; (040) 2419 3666; email: sriram@tifrh.res.in; sriram@physics.iisc.ernet.in, URL: <http://www.tifrh.res.in/tcis/faculty/sriram-ramaswamy/>, sp. nonequilibrium; soft-matter and biological physics.

Elected
Year

- 1969 **Ramdas**, Anant Krishna, b. 1930, Ph.D. (Pune), Assoc. FTWAS, Lark-Horovitz Distinguished Professor, Department of Physics, Purdue University, West Lafayette, Indiana 47907, USA, Tel. Off. (+1-765) 494 3028, Res. (+1-765) 463 2707, Fax (+1-765) 494 0706, email: akr@purdue.edu, sp. condensed matter physics; semiconductor physics; optical phenomena; solid state spectroscopy.
- 2004 **Ramdorai**, Sujatha, b. 1962, Ph.D. (TIFR), FNA, FNASc, Department of Mathematics, University of British Columbia, 1984, Mathematics Road, Vancouver V6T 1Z2, Canada, Tel. Off. (+1-604) 822 3627, email: sujatha@math.ubc.ca, URL: www.math.ubc.ca/~sujatha, sp. algebra; quadratic forms; number theory; Iwasawa theory.
- 2001 **Ramesh**, Rengaswamy, b. 1956, Ph.D. (Gujarat), FNA, FNASc, FTWAS, Senior Professor, Geosciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4265, Res. (079) 2676 3980, Mobile: 90999 22878, Fax (079) 2631 4900, email: rramesh@prl.res.in, URL: http://www.prl.res.in/~rramesh/, sp. palaeoclimatology & climate modelling; mass spectrometry; oceanography.
- 2011 **Ranade**, Vivek Vinayak, b. 1963, Ph.D. (Bombay), FNAE, Deputy Director and Chair, Chemical Engineering and Process Development Division, National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 2170, Res. (020) 2590 2404, Mobile: 98232 33738, Fax (020) 2590 2621, email: vv.ranade@ncl.res.in, sp. multiphase flows & reactors; computational flow modelling; process intensification.
- 1987 **Ranganath**, Gobbalipur Shamanna, b. 1944, Ph.D. (Bangalore), FNASc, Visiting Professor, Centre for Soft Matter Research, Prof. U R Rao Road, Jalahalli, Bangalore 560 013; Res. No. 422, Chitta, 10th Cross, 8th Main, Padmanabhanagar, Bangalore 560 070, Tel. Off. (080) 2838 1119/208, Res. (080) 2669 2616, email: gs.ranganath@gmail.com, sp. liquid crystals; optics.
- 1995 **Ranganath**, Hassan Annegowda, b. 1948, Ph.D. (Mysore), FNASc, FNA, Director, National Assessment and Accreditation Council, P.O. Box No. 1075, Nagarbhavi, Bangalore 560 072, Tel. Off. (080) 2321 0267; (080) 2321 0261, Fax (080) 2321 0268, email: director.naac@gmail.com, sp. zoology; genetics; evolution.

Elected
Year

- 1976 **Ranganathan**, Srinivasa, b. 1941, Ph.D. (Cantab), FNA, FNAE, FNASc, FTWAS, Emeritus Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. & Fax (080) 2360 1198, Res. (080) 2351 8521, Mobile: 98803 97490, email: rangu@materials.iisc.ernet.in; rangu2001@yahoo.com, sp. physical metallurgy; materials & society; science & civilization.
- 1975 **Ranganathan**, Subramania, b. 1934, Ph.D. (Ohio State), FNASc, FNA, Distinguished Scientist, Organic Chemistry Division III, Indian Institute of Chemical Technology, Uppal Road, Hyderabad 500 607, Tel. Off. (040) 2719 1648, Res. (040) 2716 0040, Mobile: 90000 90847, Fax (040) 2716 0757, email: srgiict@gmail.com, sp. organic & bio-organic chemistry. **Council Service:** 1998–2000.
- 2010 **Rangarajan**, Govindan, b. 1963, Ph.D. (Maryland), FNASc, Professor, Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0373, Res. (080) 2334 4736, Fax (080) 2360 0146, email: rangaraj@math.iisc.ernet.in; govindan.rangarajan@gmail.com, URL: <http://math.iisc.ernet.in/~rangaraj>, sp. nonlinear dynamics & chaos; time series analysis; brain machine interface.
- 2007 **Rangarajan**, Pundi Narasimhan, b. 1963, Ph.D. (IISc), FNASc, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. & Fax (080) 2360 1492; (080) 2293 2213, Res. (080) 6570 0305, email: pnr@biochem.iisc.ernet.in, sp. eukaryotic gene expression; infectious diseases.
- 1981 **Rangaswamy**, Nanjangud Sreekantaiah, b. 1932, Ph.D. (Delhi), FNA, FNASc, Res. Apartment No. 241, III Floor, Block B2, Kendriya Vihar, Bellary Road, Yelahanka, Bangalore 560 064, Tel. (080) 2846 1171; (011) 2722 2636, email: rlmc68@yahoo.co.in, sp. reproductive physiology of seed plants; plant tissue culture; biotechnology.
- 1995 **Ranu**, Brindaban Chandra, b. 1949, Ph.D. (Jadavpur), FNA, Department of Organic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1404, Res. (033) 2435 0097, Mobile: 94330 53856, Fax (033) 2473 2805, email: ocbcr@iacs.res.in, URL: <http://bcranu.freehostia.com>, sp. green chemistry; indium-mediated & metal nanoparticle-catalysed reactions; organic synthesis.

Elected
Year

- 1993 **Rao**, Addicam Jagannadha, b. 1942, Ph.D. (IISc), FNA, FNASc, FAMS, Raja Ramanna Fellow, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 8660; (080) 2293 2308, Res. (080) 2650 7124, Mobile: 98458 02391, Fax (080) 2360 0814, email: ajrao@biochem.iisc.ernet.in; ajrao_2000@yahoo.com, sp. regulation of placental function; biochemistry of placental proteins; differentiation of endocrine tissues; primate biology.
- 2012 **Rao**, Arikkala Raghurama, b. 1954, Ph.D. (Bombay), Professor, Department of Astronomy & Astrophysics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2375, Res. (022) 2280 4793, Mobile: 98694 58091, Fax (022) 2280 4610, email: arrao@tifr.res.in, sp. X-ray astronomy; X-ray instrumentation; high energy astrophysics.
- 1997 **Rao**, Aroor Pramesh, b. 1948, Ph.D. (Bombay), Res. Flat 7, Khagol Housing Society, Panchavati, Pashan, Pune 411 008, Tel. (020) 6628 0183, Mobile: 98507 45504, email: prameshrao@gmail.com, sp. sun & solar wind; wave propagation in random media; aperture synthesis; radio imaging.
- 2013 **Rao**, Basuthkar Jagadeeshwar, b. 1956, Ph.D. (IISc), FNA, FNASc, Senior Professor, Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2606, Res. (022) 2280 4704, Mobile: 98690 63769, Fax (022) 2280 4610, email: bjr Rao@tifr.res.in, URL: http://www.tifr.res.in/~dbs/faculty/BJ_Rao.html, sp. genome dynamics; biology of cellular adaptations; computational biology.
- 1974 **Rao**, Calyampudi Radhakrishna, b. 1920, Ph.D. & Sc.D. (Cambridge), D.Sc. (h.c.), FNA, FNASc, FRS, Member, US Natl. Acad. Sci., FTWAS, Distinguished Professor Emeritus, CR Rao Advanced Institute of Mathematics, University of Hyderabad Campus, Prof. CR Rao Road, Hyderabad 500 046, Tel. Off. (040) 2313 1170, Mobile: 93978 06860, email: crr1@psu.edu, sp. statistics with applications to biology; signal processing; pattern recognition.
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Year

- 2012 **Rao**, Chebrolu Pulla, b. 1954, Ph.D. (IISc), FNASc, Professor, Department of Chemistry, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7162, Res. (022) 2576 8162, Mobile: 99690 22554, Fax (022) 2572 3480, email: cprao@chem.iitb.ac.in, sp. inorganic chemistry; bio-inorganic chemistry; supramolecular chemistry; metalloproteins; metalloenzymes.
- 1965 **Rao**, Chintamani Nagesa Ramachandra, b. 1934, D.Sc. (Mysore), Ph.D. (Purdue), D.Sc. (h.c.), Sc.D. (h.c.), LL.D. (h.c.), D.Litt. (h.c.), FNA, FNASc, FRS, Foreign Assoc. US Natl. Acad. Sci., FTWAS, National Research Professor & Linus Pauling Research Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2365 3075; (080) 2208 2761, Res. (080) 2360 1410, Fax (080) 2208 2760, email: cnrrao@jncasr.ac.in, URL: www.jncasr.ac.in/cnrrao, sp. solid state and materials chemistry; surface science; spectroscopy & molecular structure. **Council Service:** 1971–94, President: 1989–91; Vice-President: 1974–76, 1983–85; Secretary: 1977–82; Editor of Publications: 1983–88.
- 1999 **Rao**, Desirazu Narasimha, b. 1954, Ph.D. (IISc), FNA, FNASc, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2538, Res. (080) 2361 1677, Fax (080) 2360 0814, email: dnrao@biochem.iisc.ernet.in, sp. protein-DNA interactions using restriction-modification enzymes; DNA mismatch repair proteins as model systems.
- 1983 **Rao**, Kalya Jagannatha, b. 1940, Ph.D. (IIT, Kanpur), D.Sc. (IISc), D.Sc. (h.c. Univ. Bordeaux), FNA, FNASc, Senior Ramanna Fellow and Emeritus Professor, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 2897; (080) 2293 2583, Res. (080) 2341 1129, Mobile: 99801 55726, Fax (080) 2360 0683, email: kjrao@sscu.iisc.ernet.in; kalyajrao@yahoo.co.in, sp. physical chemistry of amorphous solids & ceramics; phase transitions. **Council Service:** 1998–2003.
- 1993 **Rao**, Kanury Venkata Subba, b. 1958, Ph.D. (Baroda), FNA, FNASc, Senior Scientist & Head, Immunology Group, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1680, Res. (0124) 236 7332, Mobile: 98106 27255, Fax (011) 2671 5114, email: kanury@icgeb.res.in, sp. synthetic peptides; cell signalling; biology of tuberculosis infection; systems biology.

Elected
Year

- 1992 **Rao**, Kaza Kesava, b. 1956, Ph.D. (Houston), Professor, Department of Chemical Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2341, Res. (080) 2341 2695, Fax (080) 2360 8121, email: kesava@chemeng.iisc.ernet.in, sp. flow of granular materials; defluoridation of drinking water.
- 2011 **Rao**, Madan, b. 1960, Ph.D. (IISc), Theoretical Physics Group, Raman Research Institute, C V Raman Avenue, Bangalore 560 080, Tel. Off. (080) 2361 1326; (080) 2366 6270, Res. (080) 2351 0314, Fax (080) 2361 0492, email: madan@rri.res.in, sp. non-equilibrium statistical mechanics; soft condensed matter physics; biological physics.
- 1982 **Rao**, Maddali Nageswara, b. 1931, Dr. rer. nat. (Cologne), Res.16931, Tower Ridge, Friendswood, Texas 77546, USA, Tel. (+1-281) 993 9191, email: sitarao@sbcglobal.net, sp. solar system physics; earth & planetary sciences; lunar & meteorite sample studies; Mars fundamental research; water on Mars.
- 1988 **Rao**, Manchanahalli Rangaswamy Satyanarayana, b. 1948, Ph.D. (IISc), FNA, FNASc, FAMS, FTWAS, President, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2752; (080) 2362 2762, Res. (080) 2351 9131, Fax (080) 2208 2758; (080) 2360 2468, email: mrsrao@jncasr.ac.in, sp. molecular biology; cell biology; human molecular genetics; cancer genomics; RNA biology. **Council Service:** 2013–; Vice-President: 2013–.
- 2013 **Rao**, Nittala Venkata Chalapathi, b. 1969, Ph.D (Osmania & Cantab), Associate Professor, Department of Geology, Banaras Hindu University, Varanasi 221 005, Mobile: 99356 47365, email: nvcr100@gmail.com; nvcraobhu@googlemail.com, URL: <http://www.bhu.ac.in/Geology/nvcrao.html>; <http://nvcrao.com>, sp. igneous petrology; mantle geochemistry; geodynamics; mineral resources.
- 720
- 1978 **Rao**, Palle Rama, b. 1937, Ph.D. (Banaras), F.Eng. (UK), FNA, FNASc, FNAE, FTWAS, Foreign Associate, US Natl. Acad. Sci., ARCI for Powder Metallurgy & New Materials, Hyderabad 500 005; Res. Flat 301, Naimisam, Plot No. 22, Srinagar Colony, Hyderabad 500 073, Tel. Off. (040) 2444 3167, Res. (040) 6661 4475, Mobile: 98497 65123, Fax (040) 2444 3168, email: pallerama_rao@yahoo.co.in, sp. deformation; fracture; materials development. **Council Service:** 1989–2000; Vice-President: 1992–94; President: 1995–97.

Elected
Year

- 1974 **Rao**, Paranandi Venkata Suryanarayana, b. 1936, Ph.D. (Bombay), FNA, FNAE, Res. Flat No. 601, Vigyan, Sector 17, Next to Garden, Vashi, Navi Mumbai 400 703, Tel. (022) 2789 0712, Mobile: 92255 18888, email: dr.pvsrao@gmail.com, sp. computer science & speech research; natural language processing; cursive script recognition.
- 1996 **Rao**, Pendyala Balarama, b. 1938, Ph.D. (Andhra), Visiting Professor (Hon.), ADCOS-DOS, National Remote Sensing Centre, Department of Space, PPEG, Building No. 10, Balanagar, Hyderabad 500 625, Tel. Off. (040) 2388 4020, Res. (040) 2300 3888, Mobile: 97015 39789, Fax (040) 2387 7210, email: rao_pb@nrsc.gov.in; pbrao_nmr@yahoo.co.in, sp. space physics; radiowave propagation; radar systems.
- 2001 **Rao**, Ramachandra Raghavendra, b. 1945, Ph.D. (Mysore), FNA, FNASc, INSA Honorary Scientist, No. 328, B-4, Kendriya Vihar, Yelahanka, Bangalore 560 064, Tel. (080) 2856 4291, Mobile: 94488 52356, email: raocimap@gmail.com; rr_rao@vsnl.net, sp. plant taxonomy; ethnobotany; phytogeography; biodiversity & conservation.
- 2010 **Rao**, Taduri Srinivasa Siva Rama Krishna, b. 1954, Ph.D. (ISI), Fulbright-Nehru Senior Research Fellow, Southern Illinois University, USA; Professor, Indian Statistical Institute, R.V. College Post, Bangalore 560 059, Tel. Off. (080) 2848 3002/417, Res. (080) 2339 9019, Fax (080) 2848 4265, email: tss@isibang.ac.in; srin@fulbrightmail.org, URL: <http://www.isibang.ac.in/~tss/>, sp. mathematics; functional analysis; geometry of Banach spaces.
- 1969 **Rao**, Udipi Ramachandra, b. 1932, Ph.D. (Gujarat), D.Sc. (h.c.), FNA, FNASc, FTWAS, FNAE, Chairman, PRL Council, Department of Space, Antariksh Bhavan, New BEL Road, Bangalore 560 231; Res. 3367-E, 13th Main Road, HAL II Stage, Indiranagar, Bangalore 560 038, Tel. Off. (080) 2341 6406; (080) 2217 2387, Res. (080) 2526 9523, Fax (080) 2341 0705, email: urrao.isro@hotmail.com; urrao@isro.gov.in, sp. cosmic rays; space physics, technology & applications; avionics; satellite & rocket technology; high energy astronomy.

Elected
Year

- 2009 **Rao**, Valipe Ramgopal, b. 1965, Dr-Ingenieur (Germany), FNAE, FNASc, Institute Chair Professor, EE Department, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7456, Res. (022) 2576 8456, Mobile: 98690 34490, Fax (022) 2572 3707, email: rrao@ee.iitb.ac.in, URL: www.ee.iitb.ac.in/~rrao, sp. nanoelectronics; nanotechnology.
- 1974 **Rao**, Vallurupalli Sita Raghavendra, b. 1931, Ph.D. (Osmania), FNA, Res. No. 350, I A Cross, 8th Main, III Stage, IV Block, Basaveshwaranagar, Bangalore 560 079, Tel. (080) 2323 0900, sp. conformation of biopolymers.
- 1975 **Rastogi**, Raghunath Prasad, b. 1926, Ph.D. (Lucknow), FNA, FNASc, D.Sc. (h.c.), Res. 295/281 KA, Ashrafabad, Lucknow 226 003, Tel. (0522) 226 9638, Mobile: 75057 51820, email: rprastogi@yahoo.com, sp. physical chemistry; non-equilibrium thermodynamics; nonlinear science.
- 1974 **Rastogi**, Ram Gopal, b. 1929, Ph.D. (Gujarat), FNA, FNASc, Visiting Professor, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009; Res. 22B Lad Society, Sandesh Press Road, Bodakdev, Ahmedabad 380 054, Tel. Off. (079) 2631 4055, Res. (079) 2685 0958, Mobile: 96249 24030, email: parvs@prl.res.in; profgrastogi@yahoo.com, sp. ionospheric physics; geomagnetism & space weather disturbance.
- 730
- 1989 **Ratnasamy**, Paul, b. 1942, Ph.D. (Madras), FNA, FNASc, FNAE, Res. 4, Lalit Apartments, Gulmohar Park, ITI Road, Aundh, Pune 411 007, Tel. (020) 2589 8058, Mobile: 73500 05192, email: paul_ratnasamy@yahoo.com, sp. catalysis; zeolites; biofuels; industrial chemistry.
- 2010 **Ravi**, Vasanthapuram, b. 1955, MD (JIPMER), FAMS, Professor & Head, Department of Neurovirology, National Institute of Mental Health and Neurosciences, Hosur Road, Bangalore 560 029, Tel. Off. (080) 2699 5126, Res. (080) 2659 7290, Mobile: 93436 02246, Fax (080) 2656 4830, email: virusravi@gmail.com, sp. neurovirology; viral diagnostics; molecular epidemiology of viral infections.
- 2012 **Ravindran**, Vajravelu, b. 1965, Ph.D. (Madras), Professor, Harish Chandra Research Institute, Chhatnag Road, Jhusi 211 019, Tel. Off. (0532) 227 4323, Res. (0532) 256 9919, Mobile: 99356 92214, Fax (0532) 256 7748, email: ravindra@mri.ernet.in; sp. perturbative quantum chromodynamics.

Elected
Year

- 2001 **Ravindranath**, Vijayalakshmi, b. 1953, Ph.D. (Mysore), FNA, FNASc, FTWAS, FAMS, Professor, Centre for Neuroscience, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3433, Res. (080) 2661 5001, Mobile: 90088 85529, email: viji@cns.iisc.ernet.in, URL: <http://www.cns.iisc.ernet.in/viji/index.html>, sp. neuroscience; toxicology; pharmacology.
- 1995 **Ray**, Deb Shankar, b. 1954, Ph.D. (Calcutta), Professor, Department of Physical Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 5374, Res. (033) 2571 2906, Fax (033) 2473 2805, email: pcdsr@iacs.res.in, sp. nonlinear dynamics; nonequilibrium statistical mechanics.
- 2006 **Raychaudhuri**, Amitava, b. 1952, Ph.D. (Maryland), FNA, FNASc, Palit Professor of Physics, University of Calcutta, 92, Acharya Prafulla Chandra Road, Kolkata 700 009, Tel. Off. (033) 2352 5631, Res. (033) 2473 7519, Mobile: 98312 43624, email: palitprof@gmail.com, sp. particle physics.
- 1993 **Raychaudhuri**, Arup Kumar, b. 1952, Ph.D. (Cornell), FNA, FNASc, Director & Distinguished Professor, S.N. Bose National Centre for Basic Sciences, JD Block, Sector 3, Salt Lake, Kolkata 700 098, Tel. Off. (033) 2335 5709, Res. (033) 2354 1884, Fax (033) 2335 2733, email: arup@bose.res.in, sp. nanosciences & technology; experimental solid state & low temperature physics; instrumentation development. **Council Service:** 1998–2000.
- 2003 **Reddy**, Arjula Ramachandra, b. 1945, Ph.D. (Osmania), Vice-Chancellor, Yogi Vemana University, Vemanapuram, Kadapa 516 003, Tel. Off. (08562) 22 5411, Res. (08562) 24 9912, Mobile: 98858 43003, Fax (08562) 22 5419, email: arjulsl@uohyd.ernet.in; arjulsl@yahoo.com, sp. genetics; plant molecular genetics; plant genomics.
- 1980 **Reddy**, Chintala Raja Ram Mohan, b. 1929, D.Sc. (Andhra), D.Sc. (h.c.), FNA, Res. 404, Mount Kailash Apartments, Road No. 4, Banjara Hills, Hyderabad 500 034, Tel. (040) 2335 3657, email: vkoduri_99@yahoo.com, sp. pathology; parasitology; cancer epidemiology.

Elected
Year

- 1991 **Reddy**, Vellenki Umapathi, b. 1939, Ph.D. (Missouri), FNA, FNAE, FIEEE, Honorary Professor, Indian Institute of Technology, Hyderabad; Res. No. 37, Aparna Orchids, Near HITEX Grounds, Izzatnagar, Kondapur, Hyderabad 500 084, Res. (040) 2311 4725, Mobile: 98481 35781, email: vur10839@gmail.com, sp. signal processing; communications.
- 740
- 2009 **Rindani**, Saurabh Dilsukhray, b. 1952, Ph.D. (Bombay), FNA, FNASc, Senior Professor, Theoretical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4462, Res. (079) 2686 0148, Fax (079) 2631 4460, email: saurabh@prl.res.in, URL: www.prl.res.in/~saurabh, sp. particle physics.
- 1993 **Roy**, Aditya Prasad, b. 1939, Ph.D. (McMaster), Res. E-1, RH-IV, Sector 9N, CBD, Belapur, Navi Mumbai 400 614, Tel. (022) 2757 2715, Mobile: 99202 53215, email: aroy11@gmail.com, sp. condensed matter physics.
- 1989 **Roy**, Ashit Baran, b. 1938, Ph.D. (Jadavpur), FNA, Res. Flat No. 3/2G, Niloy Apartment, 46A, Ramanath Das Road, Kolkata 700 031, Tel. (033) 2405 3671, Mobile: 94330 87685, email: abroy_g@yahoo.com, ashitbaranroy@gmail.com, sp. precambrian geology; geology of Indian shield.
- 1987 **Roy**, Durga Prasad, b. 1941, Ph.D. (Bombay), FNA, FNASc, INSA Senior Scientist, Homi Bhabha Centre for Science Education (TIFR), V.N. Purav Marg, Mumbai 400 088, Tel. Off. (022) 2507 2440, Res. (022) 2789 8101, Mobile: 97697 33915, Fax (022) 2556 6803, email: dproy@tifr.res.in; dproy1@gmail.com, sp. particle physics; astroparticle physics.
- 1989 **Roy**, Probir, b. 1942, M.A. (Cantab), Ph.D. (Stanford), FNA, FNASc, FAPS, Saha Institute of Nuclear Physics, Block AF, Sector 1, Bidhannagar, Kolkata 700 064, Tel. Off. (033) 2337 5445–9/1425, Res. (033) 2359 8896, Mobile: 94325 97896, Fax (033) 2337 4637, email: probirrana@gmail.com; probir.roy@saha.ac.in, URL: www.theory.tifr.res.in/~probir, sp. particle & astroparticle physics; field theory; phenomenology.

Elected
Year

- 2011 **Roy, Rahul**, b. 1959, Ph.D. (Cornell), Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi 110 016, Tel. Off. (011) 4149 3905, Res. (011) 2696 4112, Mobile: 98689 29236, Fax (011) 4149 3981, email: rahul@isid.ac.in, sp. probability & stochastic processes.
- 2009 **Roy, Rajendra Prasad**, b. 1962, Ph.D. (IISc), FNASc, Staff Scientist, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2670 3698, Res. (011) 2674 1142, Mobile: 98105 77789, Fax (011) 2671 7104, email: rproy@nii.ac.in, sp synthetic protein chemistry; chemical biology.
- 1983 **Roy, Shasanka Mohan**, b. 1941, Ph.D. (Princeton), FNA, FNASc, FTWAS, INSA Senior Scientist, Homi Bhabha Centre for Science Education (TIFR), V.N. Purav Marg, Mankhurd, Mumbai 400 088, Tel. Off. (022) 2555 4712; (022) 2555 5242, Res. (022) 2788 8961, email: shasanka1@yahoo.co.in, URL: <http://theory.tifr.res.in/~shasanka/>, sp. quantum information; foundations of quantum theory.
- 1996 **Roy, Siddhartha**, b. 1954, Ph.D. (Delaware), FNA, Director, Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Kolkata 700 032, Tel. Off. (033) 2473 5368; (033) 2413 1157, Res. (033) 2412 1261, Fax (033) 2473 5197; (033) 2472 3967, email: director@iicb.res.in; siddhartharoy@iicb.res.in, sp. structural biology; protein–nucleic acid interaction; NMR spectroscopy.
- 2008 **Roy, Sujit**, b. 1959, Ph.D. (IIT, Kanpur), Dean (Faculty Affairs) and Professor, Department of Chemistry, School of Basic Sciences, Indian Institute of Technology, Samantapuri, Bhubaneswar 751 013, Tel. Off. (0674) 257 6021; (0674) 257 6022; (0674) 257 6056, Mobile: 94393 65740, Fax (0674) 230 6203, email: sujitroy.chem@gmail.com; sroy@iitbbs.ac.in, sp. organo-metallic chemistry; catalysis for fine chemicals; C–H functionalization.
- 750
- 1986 **Roy, Supriya**, b. 1931, Ph.D. & D.Sc. (Calcutta), FNA, Res. 99/5/10, Ballygunge Place, Kolkata 700 019, Tel. (033) 2460 5578, email: srjugeo@rediffmail.com, sp. metallogeny; ore genesis; ore mineralogy.
- 1974 **Roy, Tuhin Kumar**, b. 1923, Sc.D. (MIT), FNAE, Res. A-58, Gulmohar Park, New Delhi 110 049, Tel. (011) 2686 6713, email: tuhinsilveroy@gmail.com, sp. hydro-metallurgy; fluidization.

Elected
Year

- 1974 **Roy Chaudhury**, Sailendranath, b. 1923, M.Sc. (Cranfield), Res. No. 618, 80 Feet Road, 4th Block, Koramangala, Bangalore 560 034, Tel. (080) 2553 1593, email: navuday@gmail.com, sp. propulsion; agro & blue micro algae-based energy; bio-diesel & hydrogen fuel.
- 1976 **Rudraiah**, Nanjundappa, b. 1932, Ph.D. (Canada), FNA, FNASc, Honorary Director, National Research Institute for Applied Mathematics, Bangalore 560 070; Honorary Professor, UGC-CAS in Fluid Mechanics, Department of Mathematics, Central College Campus, Bangalore University, Bangalore 560 001, Tel. Off. (080) 2296 1421, Res. (080) 2676 4356, Mobile: 94483 89763, Fax (080) 2221 9714, email: rudraiahn@hotmail.com, sp. fluid mechanics; magnetohydrodynamics; electrodynamics; stability of flows; heat & mass transfer; smart materials; biomechanics; dispersion phenomena.
- 2012 **Saha**, Bhaskar, b. 1964, Ph.D. (Calcutta), FNASc, Scientist F, National Centre for Cell Science, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2570 8138, Res. (020) 2570 8044, Mobile: 94223 19945, Fax (020) 2569 2259, email: sahab@nccs.res.in, URL: www.nccs.res.in/saha1.html, sp. immunology; signal transduction; parasitology.
- 2010 **Saha-Dasgupta**, Tanusri, b. 1966, Ph.D. (Calcutta), FNASc, Professor, S.N. Bose National Centre for Basic Sciences, JD Block, Sector III, Salt Lake, Kolkata 700 098, Tel. Off. (033) 2335 5705-08, Res. (033) 2324 1232, Mobile: 98312 09592, Fax (033) 2335 3477, email: tanusri@bose.res.in, URL: http://www.bose.res.in/~tanusri/, sp. condensed matter physics; computational materials science; electronic structure calculations.
- 1987 **Sahni**, Ashok, b. 1941, Ph.D. (Minnesota), FNA, FNASc, FTWAS, Res. 98 Mahatma Gandhi Marg, Lucknow 226 001, Mobile: 99560 29934, email: ashok.sahni@gmail.com, sp. vertebrate palaeontology; palaeobiogeography; electron microscope applications to biomineralization.
- 2001 **Sahni**, Girish, b. 1956, Ph.D. (IISc), FNASc, Director, Institute of Microbial Technology, Sector 39-A, Chandigarh 160 036, Tel. Off. (0172) 269 0785; (0172) 269 0684, Res. (0172) 269 0550, Fax (0172) 269 0585, Mobile: 98883 71548, email: director@imtech.res.in, sp. protein engineering; molecular biology; biotechnology; enzymology.

Elected
Year

- 2003 **Sahni**, Varun Bhisham, b. 1956, Ph.D. (Moscow State), FNASc, FNA, Professor, Inter-University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4112, Res. (020) 2560 4406, Fax (020) 2560 4699, email: varun@iucaa.ernet.in, sp. general relativity & gravitation; cosmology: dark matter & dark energy; formation of Galaxies; superclusters & voids; the cosmic microwave background; extra dimensions.
- 1993 **Saidapur**, Srinivas Kishanrao, b. 1947, Ph.D. (Karnatak), FNA, FNASc, FTWAS, 108, Sripad Nagar, Dharwad 580 001, Tel. (0836) 277 6789, Mobile: 96633 78259, email: saidapur@gmail.com, sp. biology of reproduction; comparative endocrinology; herpetology; animal behaviour.
- 760
- 2001 **Salunke**, Dinakar Mashnu, b. 1955, Ph.D. (IISc), FNASc, FNA, Executive Director, Regional Centre for Biotechnology, 180, Udyog Vihar Phase I, Gurgaon 122 016, Tel. Off. (0124) 403 8116; Res. (011) 2669 1149, Fax (0124) 284 8803, email: director@rcb.res.in, URL: <http://www.rcb.res.in/dmsalunke.html>, sp. structural biology; macromolecular crystallography; immunology; biotechnology.
- 2003 **Samanta**, Anunay, b. 1956, Ph.D. (Jadavpur), FNASc, FNA, Professor, School of Chemistry, University of Hyderabad, Gachhi Bowli, Hyderabad 500 046, Tel. Off. (040) 2313 4813; (040) 2301 1594, Res. (040) 2301 0715, Mobile: 94404 99681, Fax (040) 2301 1594, email: assc@uohyd.ernet.in; anunay.samanta@gmail.com, URL: <http://chemistry.uohyd.ernet.in/~as/>, sp. photochemistry; time-resolved spectroscopy; physical chemistry of ionic liquids.
- 2010 **Sami**, Mohammad, b. 1955, Ph.D. (Moscow State), FNASc, Professor & Director, Centre for Theoretical Physics, Jamia Millia Islamia, Jamia Nagar, New Delhi 110 025, Tel. Off. (011) 2698 4830, Mobile: 99908 40273, Fax (011) 2698 4830, email: sami@iucaa.ernet.in; samijamia@gmail.com, URL: www.ctp-jamia.res.in/sami, sp. cosmology; higher dimensional gravity; high energy physics.

Elected
Year

- 2009 **Sampath**, Srinivasan, b. 1961, Ph.D. (IIT, Madras), Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3315, Res. (080) 2351 1974, Mobile: 98862 70646, Fax (080) 2360 6867, email: sampath@ipc.iisc.ernet.in, URL: <http://ipc.iisc.ernet.in/sampath.html>, sp. interfacial (electro) chemistry; nanostructured materials; SERS; sensors; fuel cells; supercapacitors.
- 1998 **Sampathkumaran**, Echur Varadadesikan, b. 1954, Ph.D. (Bombay), FNASc, FNA, FTWAS, Senior Professor, Department of Condensed Matter Physics & Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2437; (022) 2278 2439, Res. (022) 2280 4977, Fax (022) 2280 4610-1, email: sampath@mailhost.tifr.res.in, sp. magnetism; superconductivity; geometrical frustration.
- 1987 **Sane**, Prafullachandra Vishnu, b. 1937, Ph.D. (Alberta), FNA, FNASc, Principal Adviser, Agri Biotech (R&D), Jain Irrigation System Ltd, Jalgaon; Res. C-739/B, Sector C, Mahanagar Extension, Lucknow 226 006, Tel. (0522) 233 0989, email: rajsane@hotmail.com; saneraj@rediffmail.com, sp. plant bio-chemistry; plant molecular biology; photosynthesis.
- 2010 **Sane**, Sharad Sadashiv, b. 1950, Ph.D. (IIT, Bombay), Department of Mathematics, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9452, Res. (022) 2572 4430; (022) 2576 8452, Mobile: 99695 60519, Fax (022) 2572 3480, email: sane@math.iitb.ac.in; sharadsane@gmail.com, sp. finite geometries; design theory; graph theory.
- 1999 **Sanjappa**, Munivenkatappa, b. 1951, Ph.D. (Baroda), FNASc, CSIR Emeritus Scientist, University of Agricultural Sciences, GKVK, Bangalore 560 065; Res. 504, Block C-7, Kendriya Vihar, Bellary Road, Yelahanka, Bangalore 560 064, Mobile: 99720 35160 email: sanjappam@ymail.com; m.sanjappa@nic.in, sp. plant taxonomy & conservation.
- 2002 **Sankara Rao**, Kolluri, b. 1939, Ph.D. (Bangalore), Distinguished Fellow, Centre for Ecological Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2506; (080) 2293 2786/261, Res. (080) 2341 1148, Mobile: 98453 39826, Fax (080) 2360 0814, email: herbarium@ces.iisc.ernet.in; sankara.kolluri@gmail.com, sp. plant developmental biology, biotechnology and systematics.

Elected
Year

- 2007 **Sankaran**, Parameswaran, b. 1959, Ph.D. (Calgary), FNASc, Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3211, Res. (044) 2446 0909, Fax (044) 2254 1586, email: sankaran@imsc.res.in, URL: www.imsc.res.in/~sankaran, sp. topology & algebraic groups.
- 770
- 2010 **Sankaranarayanan**, Rajan, b. 1968, Ph.D. (IISc), FNA, Group Leader, Structural Biology Lab, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2832, Res. (040) 2717 1504, Mobile: 98664 97744, Fax (040) 2716 0591, email: sankar@ccmb.res.in, URL: http://www.ccmb.res.in/scientistdetails.php?grpId=52, sp. structural biology; translation of the genetic code; enzyme mechanisms.
- 1961 **Santappa**, Mushi, b. 1923, Ph.D. (London and Manchester), D.Sc. (h.c.), D.Litt. (h.c.), FNA, FNASc, Res. No. 8, Third Main Road, Kasturba Nagar, Adyar, Chennai 600 020, Tel. (044) 2441 5163, Mobile: 98409 75032, email: sunanda_cle@yahoo.co.in, sp. physical & inorganic chemistry; photochemistry; science & technology of leather; polymer chemistry & industrial pollution control.
- 1974 **Santhanam**, Vaidyanathaswamy, b. 1925, Ph.D. (Madras), Res. 'Shri Abhirami', 107, Venkataswamy Road West, R.S. Puram Post, Coimbatore 641 002, Tel. (0422) 254 6857, Mobile: 99946 22260, sp. plant breeding & genetics; research management; cotton development.
- 2001 **Sanyal**, Milan Kumar, b. 1954, Ph.D. (Bombay), FNA, FNASc, Director, Saha Institute of Nuclear Physics, 1/AF, Bidhan Nagar, Kolkata 700 064, Tel. Off. (033) 2337 0313; (033) 2321 4763, Res. (033) 2321 5453, Mobile: 98742 35010, Fax (033) 2337 4637, email: director.sinp@saha.ac.in; milank.sanyal@saha.ac.in, URL: http://www.saha.ac.in/surf/www/members_template.php?id=12, sp. condensed matter physics; surface physics; synchrotron X-ray scattering; electronic transport in nano-structured-materials.
- 1992 **Sanyal**, Suhas Chandra, b. 1942, MD (Banaras), Ph.D. (Calcutta), FNA, FAMS, Res. Udita 09-0303, Nabami, 1050/1, Survey Park, Kolkata 700 075, Tel. (033) 2418 8005, Mobile: 98302 16875, email: scsanyal@hotmail.com; sp. medical microbiology; pathogenicity; nosocomial infections; infection control; antimicrobial therapy.

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Year

- 1981 **Sarabhai**, Anand, b. 1938, Ph.D. (Cantab), Director, Biocenter Laboratory, The Retreat, Shahibag, Ahmedabad 380 004, Tel. Off. (079) 2288 5599, Res. (079) 2286 5044, Fax (079) 2288 4545, email: sarabhaianand@hotmail.com, sp. molecular biology; biotechnology; nutrition; ecological strategies.
- 2010 **Sarin**, Apurva, b. 1962, Ph.D. (JNU), Professor, National Centre for Biological Sciences, Bellary Road, Bangalore 560 065, Tel. Off. (080) 2366 6080, Fax (080) 2366 6462, email: sarina@ncbs.res.in, sp. immunology; cell biology; apoptosis.
- 2000 **Sarin**, Manmohan, b. 1951, Ph.D. (Gujarat), FNA, FNASc, Senior Professor, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4306, Res. (079) 2685 8711, Mobile: 94267 27301, Fax (079) 2630 1502, email: sarin@prl.res.in, sp. atmospheric & aerosol chemistry; chemical oceanography.
- 2005 **Sarin**, Shiv Kumar, b. 1952, D.M. (AIIMS), MD (SMS Jaipur), FNA, FNASc, FAMS, Head, Department of Hepatology & Director, Institute of Liver and Biliary Sciences, D1, Vasant Kunj, New Delhi 110 070, Tel. Off. (011) 4630 0000, Res. (011) 2687 3563, Fax (011) 2612 3504, email: shivsarin@gmail.com, sp. hepatology.
- 2012 **Sarkar**, Anindya, b. 1959, Ph.D. (PRL), FNA, Professor, Department of Geology & Geophysics, Indian Institute of Technology, Kharagpur 721 302, Tel. Off. (03222) 28 3392, Res. (03222) 28 3393, Mobile: 94340 43377, Fax (03222) 28 2268, email: anindya@gg.iitkgp.ernet.in, sp. stable isotope geochemistry; palaeoclimatology; geochronology.
- 780
- 1999 **Sarkar**, Chitra, b. 1955, MD (AIIMS), FRC (Path) (London), FNASc, FAMS, Professor, Department of Pathology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3371, Res. (011) 2658 8390, Mobile: 98101 81945, Fax (011) 2658 8663, email: sarkar.chitra@gmail.com, sp. neuropathology. **Council Service:** 2013–.
- 2007 **Sarkar**, Debi Prasad, b. 1958, Ph.D. (Calcutta), FNASc, FNA, Professor, Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 1967, Res. (011) 2411 3869, Mobile: 98106 96767, Fax (011) 2411 0283, email: dpsarkar59@rediffmail.com; dpsarkar59@gmail.com, sp. biochemistry; molecular virology; cell biology; biotechnology; membrane biology.

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- 1990 **Sarkar**, Pranab Kumar, b. 1939, Ph.D. (Calcutta), FNA, INSA Senior/Honorary Scientist, Division of Neurobiology, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 3491/707, Res. (033) 2337 2927, Mobile: 94330 60022, Fax (033) 2473 0284, email: pk_sarkar@hotmail.com, sp. thyroid hormones & brain development; molecular biology & endocrinology; neuro-degenerative diseases.
- 1997 **Sarkar**, Sabyasachi, b. 1947, Ph.D. (Gorakhpur), Ramanna Fellow and Honorary Emeritus Professor, Department of Chemistry, Bengal Engineering and Science University, Shibpur, Botanic Garden, Howrah 711 103, Tel. Off. (033) 2668 6464, Mobile: 98390 62156; 94151 27635, email: abya@iitk.ac.in; protozyme@gmail.com, URL: <http://home.iitk.ac.in/%7Eabya/>, sp. inorganic chemistry; bio-geoinorganic chemistry; structure-functional analogues of metallo-proteins; carbon quantum dots; bio-imaging.
- 2008 **Sarkar**, Utpal, b. 1956, Ph.D. (Calcutta), FNA, FNASc, Senior Professor, Theoretical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4476, Res. (079) 2686 1223, Mobile: 98985 86326, Fax (079) 2631 4460, email: utpal@prl.res.in, URL: www.prl.res.in/~utpal/home/, sp. particle & astroparticle physics.
- 1993 **Sarma**, Dipankar Das, b. 1955, Ph.D. (IISc), FNA, FNASc, FTWAS, Professor, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 7576; (080) 2293 2945, Res. (080) 2360 3061, Mobile: 94484 63760, Fax (080) 2360 1310, email: sarma@sscu.iisc.ernet.in, URL: <http://sscu.iisc.ernet.in/DDSarma/>, sp. strongly interacting electron systems; disordered systems; nanomaterials; conducting polymers.
- 1989 **Sarma**, Vallury Visweswara Subrahmanya, b. 1944, Ph.D. (IISc), FNA, FNAE, Res. 2182, Siva, 8th Main Road, E-Block, Rajajinagar 2nd Stage, Bangalore 560 010, Tel. (080) 2332 1876, Mobile: 98860 60501, email: vallury.sarma@gmail.com, sp. artificial intelligence; reliable computing; systems engineering; Indian logic (*nyaya darsana*).

Elected
Year

- 1969 **Sasisekharan**, Visvanathan, b. 1933, Ph.D. (Madras), FNA, FNASc, Res. c/o Prof. Ram Sasisekharan, Department of Biological Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA, Tel. (+1-781) 538 4045, email: sasi@mit.edu, sp. molecular biophysics.
- 2013 **Sastry**, Garikapati Narahari, b. 1966, Ph.D. (Hyderabad), FNASc, Head, Centre for Molecular Modelling, Indian Institute of Chemical Technology, Uppal Road, Hyderabad 500 607, Tel. Off. (040) 2719 3016, Res. (040) 2705 0272 Mobile: 99635 82996, Fax (040) 2716 0512, email: gnsastry@gmail.com; gnsastry@iict.res.in URL: 203.199.182.73/gnsmmg/, sp. computational chemistry; theoretical chemistry; computer-aided drug design.
- 2002 **Sastry**, Murali, b. 1959, Ph.D. (IIT, Madras), Chief Scientific Officer, Tata Chemicals Innovation Centre, Ghotavde Phata, Urawde Road, Pirangut Industrial Area, Gate No. 1139/1, Mulshi, Pune 412 108, Tel. Off. (020) 6654 9701, Res. (020) 2589 3952, Mobile: 92230 56210, email: msastry@tatachemicals.com, sp. surface physics; hybrid materials; nano materials.
- 790
- 2009 **Sastry**, Srikanth, b. 1964, Ph.D. (Boston), FNASc, Professor, TIFR Centre for Interdisciplinary Sciences, 21 Brundavan Colony, Narsingi, Hyderabad 500 075, Tel. Off. (040) 2419 5005, Res. (040) 6776 8596, Mobile: 94483 86838, Fax (040) 2419 5041, email: sastry@tifrh.res.in, URL: <http://www.tifrh.res.in/tcis/faculty/srikanth-sastry/>, sp. statistical mechanics; liquids; glass transition.
- 2010 **Satheesh**, Sreedharan Krishnakumari, b. 1970, Ph.D. (Kerala), FNA, FNASc, Professor, Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3070, Res. (080) 2357 0274, Mobile: 94483 60274, Fax (080) 2360 0865, email: profsks@gmail.com, URL: <http://caos.iisc.ernet.in/faculty/satheesh.html>, sp. aerosols; radiation; climate.
- 1990 **Sathyamurthy**, Narayanasami, b. 1951, Ph.D. (Oklahoma State), FNA, FTWAS, Director, Indian Institute of Science Education & Research, Sector 8, Manauli P.O., Mohali, SAS Nagar 140 306, Tel. Off. & Fax (0172) 224 0266, Res. (0172) 224 0113, Mobile: 97791 44905, email: nsath@iitk.ac.in; nsath@iisermohali.ac.in, URL: www.iitk.ac.in/chm/nsath.html, sp. molecular reaction dynamics & theoretical chemistry; atomic & molecular clusters; atoms & molecules in a confined environment. **Council Service:** 2001–2006.

Elected
Year

- 1974 **Satya Prakash**, b. 1929, Ph.D. (Gujarat), FNA, FNASc, Res. 395, Saraswathi Nagar, near Azad Society, Ahmedabad 380 015, Tel. (079) 2674 1823, Mobile: 94292 05470, email: sprakash_prl@yahoo.com, sp. planetary, atmospheric & space plasmas.
- 1993 **Savithri**, Handanahal Subbarao, b. 1951, Ph.D. (IISc), FNA, FNASc, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 1561; (080) 2293 2310, Res. (080) 2337 2981, Mobile: 94483 79380, Fax (080) 2360 0814, email: bchss@biochem.iisc.ernet.in, sp. plant molecular virology; protein chemistry; enzymology.
- 1993 **Saxena**, Rajiv Krishna, b. 1951, Ph.D. (AIIMS), FNA, FNASc, Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2674 1737, Res. (011) 2680 8025, Mobile: 99100 48241, Fax (011) 2674 1741, email: rajivksaxena@hotmail.com, URL: www.rajivsaxena.info, sp. immunology; toxicology; nanoparticles.
- 1994 **Sebastian**, Kizhakeyil Lukose, b. 1950, Ph.D. (IISc), FNA, Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2385, Res. (080) 2202 3636, Fax (080) 2360 1552, email: kls@ipc.iisc.ernet.in, URL: http://ipc.iisc.ernet.in/~kls, sp. theoretical chemistry; chemistry of interfaces.
- 1995 **Sen**, Abhijit, b. 1946, Ph.D. (Tennessee), FNA, FNASc, S. Chandrasekhar Chair Professor, Institute for Plasma Research, Bhat, Gandhinagar 382 428, Tel. Off. (079) 2396 2048; (079) 2396 9023, Res. (079) 2692 6749, Mobile: 98250 51578, Fax (079) 2396 9016, email: abhijit@ipr.res.in; senabhijit@gmail.com, sp. plasma physics; nonlinear dynamics; free electron lasers. **Council Service:** 2010–12.
- 1991 **Sen**, Ashoke, b. 1956, Ph.D. (SUNY, Stony Brook), FNA, FNASc, FRS, Professor, Harish Chandra Research Institute, Chhatnag Road, Jhusi, Allahabad 211 019, Tel. Off. (0532) 227 4302, Res. (0532) 227 4002, Fax (0532) 256 9576, email: sen@hri.res.in, sp. superstring theory.
- 2001 **Sen**, Diptiman, b. 1959, Ph.D. (Princeton), FNA, FNASc, Professor, Centre for High Energy Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2974, Res. (080) 2360 7073, Fax (080) 2360 0683, email: diptiman@cts.iisc.ernet.in, URL: http://cts.iisc.ernet.in/Personnel/diptiman.html, sp. theoretical condensed matter & statistical physics; quantum field theory.

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Year

- 1992 **Sen, Kalidas**, b. 1948, Ph.D. (IIT, Kanpur), FNA, Senior Professor, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4809, Res. (040) 2301 0426, Mobile: 96520 09749, Fax (040) 2550 5893, email: sensc@uohyd.ernet.in; kalidas.sen@gmail.com, sp. electronic structure: density functional theory & confined systems; information theory; statistical complexity.
- 2007 **Sen, Sandeep**, b. 1962, Ph.D. (Duke), Professor, Department of Computer Science & Engineering, Indian Institute of Technology, New Delhi 110 016, Tel. Off. (011) 2659 1293, Res. (011) 2659 1605, Mobile: 98681 14462, Fax (011) 2658 1060, email: ssen@cse.iitd.ernet.in, URL: www.cse.iitd.ernet.in/~ssen, sp. sequential & parallel algorithms; probabilistic analysis & randomization; computational geometry.
- 2012 **Sengupta, Krishnendu**, b. 1970, Ph.D. (Maryland), Professor, Department of Theoretical Physics, Indian Association for the Cultivation of Science, Raja SC Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/1192, Mobile: 98301 78500, Fax (033) 2473 2805, email: tpks@iacs.res.in; ksengupta1@gmail.com, sp. condensed matter theory.
- 2011 **Sengupta, Pulak**, b. 1963, Ph.D. (Jadavpur), FNA, Department of Geological Sciences, Jadavpur University, Kolkata 700 032, Tel. Res. (033) 2415 2782, Mobile: 97483 59495, email: pulaksg@gmail.com, sp. metamorphic petrology.
- 2006 **Sengupta, Surajit**, b. 1962, Ph.D. (IISc), Senior Professor, Centre for Advanced Materials, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/103, Res. (033) 2460 3212, Fax (033) 2473 2805, email: camss@iacs.res.in, URL: www.iacs.res.in/cam/~surajit, sp. condensed matter physics; statistical mechanics; materials science.
- 1971 **Seshadri, Conjeevaram Srirangachari**, b. 1932, Ph.D. (Bombay), FNA, FNASc, FRS, Director-Emeritus, Chennai Mathematical Institute, H1, Sipcot IT Park, Siruseri, Kelambakkam, Chennai 603 103, Tel. Off. (044) 6748 0921, Res. (044) 2446 4572, Mobile: 94440 87810, Fax (044) 2747 0225, email: css@cmi.ac.in, sp. algebraic geometry.
- 1974 **Seshagiri, Narasimhiah**, b. 1940, Ph.D. (IISc), FNASc, FNAE, Res. G 52, Narasimha Krupa, 9th D Cross, 40th Main, SBI Colony, J.P. Nagar, I Phase, Bangalore 560 078, Tel.(080) 2245 4742, email: seshagiri_n@yahoo.com, sp. electronics; data communication; theoretical physics; theoretical molecular biology.

Elected
Year

- 1986 **Sethunathan**, Nambrattil, b. 1937, Ph.D. (Madras), FNA, FNAAS, FNASc, Res. Flat No. 103, Ushodaya Apartments, Sri Venkateswara Officers' Colony, Ramakrishnapuram, Secunderabad 500 056, Tel. (040) 2799 0758, email: sethunathan@hotmail.com, sp. environmental microbiology.
- 2003 **Shah**, Nimish Arun, b. 1967, Ph.D. (Bombay), FNASc, Professor, Department of Mathematics, The Ohio State University, Columbus, OH 43210, USA, Tel. Off. (+1-614) 292 5088, Res. (+1-614) 273 0309, Fax (+1-614) 292 1479, email: shah@math.ohio-state.edu, URL: www.math.osu.edu/~shah, sp. ergodic theory; Lie groups; number theory.
- 2005 **Shaha**, Chandrima, b. 1952, Ph.D. (Calcutta), FNA, FNASc, Director, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2671 7102-03, Res. (011) 2674 2528; 2670 3602, Mobile: 99682 77097, Fax (011) 2671 7104, email: cshaha@nii.ac.in; chandrimas@gmail.com, URL: http://202.54.226.233/jsp/faculty/scientist_chandrima.html, sp. cell biology & biochemistry. **Council Service:** 2013–.
- 810
- 1993 **Shaila**, Melkote Subbarao, b. 1945, Ph.D. (IISc), Professor Emeritus, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2702, Res. (080) 2360 0375, Fax (080) 2360 2697, email: shaila@mcbl.iisc.ernet.in, sp. molecular virology & viral immunology.
- 2004 **Shanbhag**, Bhagyashri Achut, b. 1950, Ph.D. (Karnatak), FNA, FNASc, Department of Zoology, Karnatak University, Dharwad 580 003, Res. (0836) 274 0673, Mobile: 94481 84536, email: bhagyashrishanbhag@gmail.com, sp. comparative endocrinology & reproduction (vertebrates); herpetology; animal behaviour.
- 2011 **Shankar**, Doraiswamy, b. 1967, Ph.D. (Goa), National Institute of Oceanography, Dona Paula 403 004, Tel. Off. (0832) 245 0312, Res. (0832) 246 4516, Mobile: 94233 19557, Fax (0832) 245 0602, email: shankar@nio.org, sp. tropical ocean dynamics; ocean-atmosphere interaction; monsoons.
- 1992 **Shankar**, Pattamadai Narasimhan, b. 1944, Ph.D. (Caltech), Res. 33/1, Kasturba Road Cross, Bangalore 560 001, Tel. Res. (080) 2221 7404, email: pn_shankar55@rediffmail.com, sp. engineering science; fluid dynamics.

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Year

- 1991 **Shanmugam**, Govindaswamy, b. 1938, Ph.D. (Osmania), FNA, FNASc, Res. 3/118C, Kalvi Nagar, near Madurai Kamaraj University, Madurai 625 021, Tel. & Fax (0452) 245 8228, Mobile: 94885 86228, email: shan1938@yahoo.com, sp. molecular virology; cancer biology; medicinal plants.
- 2012 **Sharma**, Amit Prakash, b. 1968, Ph.D. (Northwestern), FNASc, Group Leader & Staff Scientist, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 1731, Res. (011) 2613 8674, Mobile: 98101 11336, email: amit.icgeb@gmail.com, sp. structural biology; malaria; protein translation.
- 2002 **Sharma**, Anurag, b. 1955, Ph.D. (IIT, Delhi), FNA, FNASc, FNAE, Professor, Department of Physics, Indian Institute of Technology, New Delhi 110 016, Tel. Off. (011) 2659 1350, Res. (011) 2686 7022, Mobile: 98183 55884, Fax (011) 2658 1114, email: asharma@physics.iitd.ac.in, sp. fibre & integrated optics; gradient-index optics; applied optics.
- 1975 **Sharma**, Arun Kumar, b. 1924, D.Sc. (Calcutta), FNA, FNASc, FTWAS, Res. Flat 2F2, Meghmallar, 18/3 Gariahat Road, Kolkata 700 019, Tel. (033) 2440 5802, Fax (033) 2476 4419, email: nuclaks@gmail.com, sp. cytogenetics; cytochemistry & cell biology, **Council Service**: 1977–82.
- 1999 **Sharma**, Ashutosh, b. 1961, Ph.D. (SUNY, Buffalo), FTWAS, FNA, FNAE, FNASc, Professor, Department of Chemical Engineering, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7026, Res. (0512) 259 8504, Fax (0512) 259 0104, email: ashutos@iitk.ac.in, URL: www.iitk.ac.in/che/as.htm, sp. soft nanotechnology & meso-fabrication; mesomechanics; thin films & self-organization; functional interfaces; colloid & interface science; carbon nanomaterials, devices & composites in health, energy and environment. **Council Service**: 2013–.
- 1972 **Sharma**, Kamal Nath, b. 1929, MD (Lucknow), FNA, FAMS, Emeritus Professor, National Academy of Medical Science, Delhi; Executive Director, MS Ramaiah Medical Institutions & Hospitals, Bangalore 560 054, Tel. Off. & Fax (080) 2218 3202; (080) 2360 6031, Res. (080) 2341 4004, email: drsharmakn@yahoo.com, sp. neurophysiology; biocontrols; hospital planning.

Elected
Year

- 1974 **Sharma, Man Mohan**, b. 1937, Ph.D. (Cantab), D.Sc. (h.c.), D.Engg. (h.c.), L.L.D. (h.c.), FNA, FRS, Emeritus Professor, ICT, Mumbai; Res. 2/3, Jaswant Baug, Runwal Park, behind Akbarally, V.N. Purav Marg, Chembur, Mumbai 400 071, Tel. (022) 2529 1539; (022) 2529 6876, email: profmmsharma@gmail.com, sp. multi-phase reactions/reactors; separations. **Council Service:** 1986–88.
- 1987 **Sharma, Ram Prakash**, b. 1939, Ph.D. (Aligarh & London), Res. E-45, DGS Housing Society, Sector 22, Plot No. 6, Dwaraka, New Delhi 110 045, Tel. (011) 2509 1470, Mobile: 98114 89286, email: drrp_sharma@yahoo.co.in, sp. organic chemistry; natural products chemistry; new synthetic methods.
- 1989 **Sharma, Ram Swaroop**, b. 1937, Ph.D. (Basel), FNA, Res. 70/36, Pratapnagar, Sector 7, Sanganer (RHB), Jaipur 302 033, Tel. (0141) 279 0317, Mobile: 94148 88025, email: sharma.r.sw@gmail.com, sp. metamorphic petrology; mineralogy; precambrian geology.
- 1990 **Sharma, Rameshwar Prasad**, b. 1940, Ph.D. (Agra), FNA, FNASc, FNAAS, INSA Honorary Scientist, National Research Centre on Plant Biotechnology, Indian Agricultural Research Institute, New Delhi 110 012, Tel. Off. (011) 2584 1787, Res. (011) 2718 3975, Mobile: 98106 78220, Fax (011) 2576 6420, email: rpsnrcpb@yahoo.co.in, sp. developmental genetics; mutagenesis; molecular biology; biotechnology.
- 2003 **Sharma, Shobhona**, b. 1953, Ph.D. (Bombay), Senior Professor and Chair, Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2625; (022) 2278 2570, Res. (022) 2280 4745, Mobile: 99872 60961; 98923 52830, Fax (022) 2280 4610, email: sharma@tifr.res.in, sp. molecular parasitology; parasite immunology; parasite metabolism.
- 2010 **Sharma, Surendra Kumar**, b. 1951, MD (Chandigarh), Ph.D. (AIIMS), FNASc, FNA, Head, Department of Medicine, All India Institute of Medical Sciences, New Delhi 110 029, Tel. Off. (011) 2659 4415; (011) 2659 3303, Res. (011) 2658 8154, Mobile: 98683 97247; 98990 88092, Fax (011) 2658 9898, email: sksharma@aiims.ac.in; sksharma.aiims@gmail.com, sp. internal medicine; pulmonary & critical care medicine; sleep medicine.

Elected
Year

- 2008 **Sharma**, Surinder Mohan, b. 1952, Ph.D. (Bombay), FNASc, Head, High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085, Tel. Off. (022) 2559 3690, Res. (022) 2556 7483, Fax (022) 2550 5151, email: smsharma@barc.gov.in, sp. condensed matter physics under high pressures; synchrotron beamlines; molecular dynamics & first principles calculations.
- 2012 **Sharma**, Vijay Kumar, b. 1967, Ph.D. (NEHU), FNA, Professor and Chariman, Chronobiology Lab, Evolutionary & Organismal Biology Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2843, Res. (080) 2362 2772, Mobile: 94484 50067, Fax (080) 2208 2766, email: vsharma@jncasr.ac.in; vksharmas@gmail.com, sp. chronobiology; evolution; animal behaviour.
- 1998 **Sharma**, Vinod Prakash, b. 1938, D.Phil. & D.Sc. (Allahabad), FNA, FNASc, FAMS, FTWAS, Res. B9/6476 FF, Vasant Kunj, New Delhi 110 070, Tel. Off. (011) 2659 1161, Res. (011) 2613 4608, Mobile: 98107 06411, Fax (011) 4606 3722, email: vinodsharma@gmail.com, sp. malariology; vector biology & control.
- 2000 **Sharma**, Yagya Dutta, b. 1951, Ph.D. (Rohilkhand), FNA, FNASc, Professor & Head, Department of Biotechnology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 4609; (011) 2659 3306, Res. (011) 2659 4509, Fax (011) 2658 9286, email: ydsharma_aiims@yahoo.com, sp. molecular biology; molecular malariology; protein chemistry.
- 830
- 2008 **Sharma**, Yogendra, b. 1959, Ph.D. (Calcutta), Scientist, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2561, Res. (040) 6730 7250, Mobile: 99086 30358, Fax (040) 2716 0591, email: yogendra@ccmb.res.in, sp. biophysics; biochemistry; protein structure & function.
- 1988 **Shashidhar**, Ranganathan, b. 1946, Ph.D. (Mysore), Senior Vice-President, Polestar Technologies Inc., 2121 Eisenhower Avenue, Suite 222, Alexandria, VA 22314, USA, Tel. Off. (+1-703) 615 1023; (+1-703) 299 4446, Res. (+1-571) 970 5083, Fax (+1-703) 299 4448, email: rshashidhar@polestartech.com, sp. liquid crystals & display devices; nanoscience; nanostructured materials & composites; molecular & organic electronics; biomedical devices; sensors for detection of chemicals; biofuel cells.

Elected
Year

- 2007 **Shashidhara**, Lingadahalli Subrahmanya, b. 1963, Ph.D. (Cambridge), FNA, FNASc, Professor & Co-ordinator, Biology, Indian Institute of Science Education & Research, 900, NCL Innovation Park, Homi Bhabha Road, Pune 411 008, Tel. Off. (020) 2590 8001, Res. (020) 2588 3086, Mobile: 94220 04328, Fax (020) 2589 9790, email: ls.shashidhara@iiserpune.ac.in, sp. developmental biology; evolution; genetics.
- 1988 **Shastri**, Balajapalli Sriram, b. 1950, Ph.D. (Bombay), FNA, FNASc, FTWAS, Distinguished Professor, Department of Physics, University of California, Santa Cruz, CA 95064, USA, Tel. Off. (+1-831) 459 5849, Res. (+1-831) 426 6248, Fax (+1-831) 459 3043, email: sriram@physics.ucsc.edu; b.sriram.shastri@gmail.com, URL: physics.ucsc.edu/~sriram/sriram.html, sp. strongly correlated fermi systems; quantum integrable systems.
- 1975 **Shastri**, Sishta Venkata Seetharama, b. 1928, Ph.D. (Wisconsin), FNA, Res. 'Ashoka', 202, Gautami Apartments, Barkatpura, Hyderabad 500 027, Tel. (040) 2755 1666, sp. cytogenetics; taxonomy; plant breeding; rice development.
- 2007 **Shenoi**, Sadananda Satheesh Chandra, b. 1958, Ph.D. (Cochin), FNASc, Director, Indian National Centre for Ocean Information Services, Ocean Valley, Pragati Nagar (BO), Nizampet P.O., Hyderabad 500 090, Tel. Off. (040) 2389 5000, Res. (040) 6574 3155, Mobile: 94410 13377, email: shenoi@incois.gov.in, sp. physical oceanography; ocean-atmosphere interaction; satellite oceanography.
- 1992 **Shenoy**, Subodh Raghunath, b. 1947, Ph.D. (Yale), Visiting Professor, Indian Institute of Science Education and Research, College of Engineering Campus, Thiruvananthapuram 695 016, Tel. Off. (0471) 259 7259, Mobile: 99491 98515, Fax (0471) 259 7427, email: subodhrshenoy@iisertvm.ac.in; subodhrshenoy@gmail.com, sp. condensed matter physics; statistical physics.
- 2013 **Shenoy**, Vijay Balakrishna, b. 1971, Ph.D. (Brown), Associate Professor, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2888, Res. (080) 2360 5620, Mobile: 94490 55620, Fax (080) 2360 2315, email: shenoy@physics.iisc.ernet.in, URL: <http://www.physics.iisc.ernet.in/~shenoy/>, sp. condensed matter theory; strongly-correlated systems; cold atom physics.

Elected
Year

- 1998 **Shetty**, Hunthrike Shekar, b. 1944, Ph.D. (Mysore), FNAAS, FNASc, Emeritus Professor, Department of Studies in Applied Botany & Biotechnology, University of Mysore, Manasagangotri, Mysore 570 006, Tel. Off. & Fax (0821) 251 5126, Res. (0821) 251 5127, Mobile: 94498 37566, email: hss_uom@hotmail.com; hss@appbot.uni-mysore.ac.in, sp. seed biology; seed pathology & technology; molecular plant pathology; biotechnological approaches to plant disease management.
- 1992 **Shetye**, Satish Ramnath, b. 1950, Ph.D. (Washington), FNA, FNASc, Vice Chancellor, Goa University, Taleigao Plateau, Goa 403 206, Tel. Off. (0832) 651 9001, Res. (0832) 245 1660, Mobile: 90110 56605, Fax (0832) 245 1184; (0832) 245 2889, email: shetye@unigoa.ac.in, sp. physical oceanography. **Council Service:** 1998–2003.
- 840
- 2011 **Shivaji**, Sisinthy, b. 1950, Ph.D. (Delhi), FNASc, Consultant, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2504, Res. (040) 2717 1268, Mobile: 98496 50285, Fax (040) 2716 0591, email: shivas@ccmb.res.in, sp. reproductive biology; conservation biology; mammalian sperm function; bacterial biodiversity of cold habitats; cold adaptation.
- 1985 **Shivanna**, Kundaranahalli Ramalingaiah, b. 1940, Ph.D. (Delhi), FNA, FNAAS, FNASc, Honorary Senior Fellow, Ashoka Trust for Research in Ecology & the Environment, Royal Enclave, Srirampura, Jakkur Post, Bangalore 560 064, Tel. Off. (080) 2363 5555, Mobile: 94495 43848, Fax (080) 2353 0070, email: shivanna@atree.org, sp. pollen biology; reproductive ecology; conservation biology.
- 2010 **Shivashankar**, Ganaganor Visweswara, b. 1968, Ph.D. (Rockefeller), Associate Professor, National Centre for Biological Sciences, GKVK Campus, Bangalore 560 065, Tel. Off. (080) 2366 6060, Mobile: 99800 33766, Fax (080) 2363 6662, email: shiva@ncbs.res.in; shiva.gvs@gmail.com, sp. biophysics; cell biology; gene expression.
- 1985 **Shorey**, Tarlok Nath, b. 1945, Ph.D. (Bombay), FNA, FNASc, Distinguished Professor, Department of Mathematics, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 9471, Res. (022) 2572 6623, email: shorey@math.iitb.ac.in, sp. theory of numbers.

Elected
Year

- 1974 **Shrikhande**, Sharadchandra Shankar, b. 1917, Ph.D. (North Carolina), FNA, FNASc, Chinmaya Vijaya Orphanage, Kaza Village, Mangalagiri Mandal, Guntur 522 503, Mobile: 77024 20555, email: drssshrik@yahoo.com, sp. combinatorial mathematics & graph theory.
- 2012 **Shukla**, Ashok Kumar, b. 1947, Ph.D. (IIT, Kanpur), FNA, FNASc, FNAE, Professor, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2795, Res. (080) 2337 4075, Mobile: 94482 74075, Fax (080) 2360 1310, email: akshukla2006@gmail.com, sp. materials electrochemistry; fuel cells; batteries & supercapacitors.
- 1993 **Shyamasundar**, Rudrapatna Kallikote, b. 1950, Ph.D. (IISc), FNA, FNASc, FTWAS, FNAE, FIEEE, Senior Professor & JC Bose National Fellow, Technology & Computer Science Faculty, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2288, Res. (022) 2280 4713, Mobile: 98183 20188, Fax (022) 2280 4610-1, email: shyam@tifr.res.in, URL: www.tcs.tifr.res.in/~shyam, sp. specification & verification; real-time & logic programs; mobile computing; computer security. Council Service: 2013-.
- 2008 **Siddiqi, Imran**, b. 1957, Ph.D. (Oregon), FNA, Scientist, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2570, Res. (040) 2715 8119, Mobile: 98666 33195, Fax (040) 2716 0591, email: imran@ccmb.res.in, imransiddi@gmail.com, sp. genetics; plant development; genetic recombination.
- 1968 **Siddiqi**, Obaid, b. 1932, Ph.D. (Glasgow), D.Sc. (h.c.), FNA, FNASc, FRS, FTWAS, Foreign Assoc. US Natl. Acad. Sci., National Research Professor, National Centre for Biological Sciences, GKVK Campus, Bangalore 560 065, Tel. Off. (080) 2366 6010, Res. (080) 2364 8507, Fax (080) 2363 6662, email: osiddiqi@ncbs.res.in, sp. molecular & behavioural genetics. **Council Service:** 1974-91; Vice-President: 1983-85, President: 1986-88.
- 2012 **Sikdar**, Sujit Kumar, b. 1957, Dr. MedSci (Kyushu), Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2844; (080) 2293 3220, Res. (080) 2341 1580, Fax (080) 2360 0535, email: sks@mbu.iisc.ernet.in, sp. cellular neurophysiology; ion channel physiology; pharmacology & biophysics; calcium dynamics.

Elected
Year

- 1984 **Sikka**, Devraj, b. 1932, M.Sc. (Agra), Res. 40, Mausam Vihar, Delhi 110 051, Tel. (011) 2241 0156, Mobile: 99586 63373, email: drsikka@yahoo.com, sp. monsoon, tropical & satellite meteorology; climate change; aerosol monsoon connections; dynamics of Himalayan glaciers.
- 1990 **Sikka**, Satinder Kumar, b. 1942, Ph.D. (Bombay), FNA, FNASc, Homi Bhabha Chair Professor, Central Complex, Bhabha Atomic Research Centre, Mumbai 400 085, Tel. Off. (022) 2559 5649, Res. (022) 2558 0301, Mobile: 98182 88578, Fax (022) 2550 5151, email: sksikka@barc.gov.in, sp. high pressure physics; X-ray & neutron diffraction; band theory; nuclear explosions.
- 1991 **Simon**, Rajiah, b. 1948, Ph.D. (IISc), FNA, Senior Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3120, Res. (044) 2451 0280, Mobile: 94441 11865, Fax (044) 2254 1586, email: simon@imsc.res.in, sp. quantum & classical optics; quantum information science; foundations of quantum theory.
- 2001 **Singh**, Anil Kumar, b. 1952, Ph.D. (IIT, Kanpur), FNASc, Vice Chancellor, University of Allahabad, Senate House, Allahabad 211 002, Tel. Off. (0532) 246 1157; (0532) 246 1089, Res. (0532) 254 5020, Fax (0532) 246 5733, email: retinal@chem.iitb.ac.in; vc_au@allduniv.ac.in, sp. organic chemistry; bio-organic chemistry; photochemistry & photobiology.
- 1989 **Singh**, Balwant, b. 1940, Ph.D. (Bombay), FNA, Senior Scientist, UM-DAE Centre for Excellence in Basic Sciences, Mumbai; Res. 105, Vaigyanik Society, Plots 58–59, Sector 14, Vashi, Navi Mumbai 400 703, Tel. Res. (022) 2788 2238, Mobile: 98924 50089, email: balwantbagga@gmail.com, sp. algebraic geometry; commutative algebra.
- 1974 **Singh**, Bam Bahadur, b. 1938, Ph.D. (Shrivenham, UK), FNASc, D-7, Fair Lawn, V.N. Purav Marg, Chembur, Mumbai 400 071, Tel. Off. (022) 2204 9723, Res. (022) 2520 7210, Mobile: 98210 05336, Fax (022) 2204 2664, email: drbbsingh@mtnl.net.in; drbbsingh@iprpluslaw.com, sp. radiation biology; biophysics; intellectual property rights & constitutional laws.

Elected
Year

- 2013 **Singh**, Bhim, b. 1956, Ph.D. (IIT, Delhi), FNASc, FNAE, FIEEE, Professor, Department of Electrical Engineering, Indian Institute of Technology, New Delhi 110 016, Tel. Off. (011) 2659 1045, Res. (011) 2659 1890, Mobile: 98115 02125, Fax (011) 2658 1606, email: bsingh@ee.iitd.ac.in; bhimsinghr@gmail.com, sp. power electronics, renewable energy generation.
- 1981 **Singh**, Digvijai, b. 1934, Ph.D. (Wisconsin), FNA, FNASc, FNAE, Visitor, Amity University, Lucknow; Res. No. 1002, Tower 2, Sunbreeze Apartments, Vaishali, Sector 5, Plot 3, Ghaziabad 201 010, Tel. Off. (0120) 439 2464, Res. (0120) 412 7783, Mobile: 98106 03439, email: dvsingh@comcast.net, sp. dynamics of mechanical systems; stress analysis; tribology; stability of vehicles; tyre mechanics; pavement engineering.
- 2007 **Singh**, Harkesh Bahadur, b. 1956, Ph.D. (Lucknow & Aston), FNASc, FNA, Professor, Department of Chemistry, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7190, Res. (022) 2577 0675, Mobile: 93238 40676, Fax (022) 2572 3480, email: chhbsia@chem.iitb.ac.in, sp. main group chemistry; organo-chalcogen chemistry; organometallic chemistry.
- 1985 **Singh**, Jamuna Sharan, b. 1941, Ph.D. (Banaras), FNA, FNASc, FTWAS, Professor Emeritus, Department of Botany, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8399, Res. (0542) 257 0120, Mobile: 93351 78355, Fax (0542) 236 8174, email: jssingh@bhu.ac.in; singh.js1@gmail.com; singh_js1@yahoo.com, sp. plant ecology; ecosystems analysis; eco-physiology.
- 860
- 2000 **Singh**, Kulinder Pal, b. 1952, Ph.D. (Bombay), FNASc, Senior Professor, Department of Astronomy & Astrophysics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2376, Res. (022) 2280 4561, Fax (022) 2280 4610, email: singh@tifr.res.in, URL: www.tifr.res.in/~singh, sp. X-ray instrumentation for astronomy; active galactic nuclei; hot interstellar & intracluster medium; stellar & binary X-ray sources.
- 1989 **Singh**, Lalji, b. 1947, Ph.D. (Banaras), FNA, FNASc, FNAAS, FAMS, FTWAS, Vice Chancellor, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 236 8938, (0542) 236 8339, Mobile: 98480 37558, Fax (0542) 236 9100, email: vcbhu1@gmail.com; vc_bhu@sify.com, sp. molecular biology; DNA fingerprinting; wildlife conservation; genetic diversity in Indian populations.

Elected
Year

- 2008 **Singh, Mewa**, b. 1951, Ph.D. (Mysore), FNA, FNASc, Raja Ramanna Fellow, Professor, Department of Psychology, University of Mysore, Manasagangotri, Mysore 570 006, Tel. Off. & Fax (0821) 241 9372, Res. (0821) 230 9129, Mobile: 94486 03506, email: mewasinghltm@gmail.com; msingh@psychology.uni-mysore.ac.in, sp. animal behaviour; wildlife ecology; sociobiology.
- 1994 **Singh, Randhir**, b. 1944, Ph.D. (Panjab Agr. Univ.), FNA, FNASc, FNAAS, Director, Seth Jai Parkash Mukand Lal Institute of Engineering & Technology, Chota Bans, Radaur 135 133, Tel. Off. (01732) 284 195; (01732) 284 778, Mobile: 82959 05205, Fax (01732) 283 800, email: randhirbiotech@yahoo.com, sp. plant biochemistry & biotechnology.
- 1988 **Singh, Rishi Narain**, b. 1943, Ph.D. (Banaras), FNA, INSA Senior Scientist, National Geophysical Research Institute, Uppal Road, Hyderabad 500 606, Tel. Off. (040) 2343 4604, Res. (040) 2715 0570, Mobile: 93463 52339, Fax (040) 2343 4651, email: rishiprema@gmail.com; rnsingh@ngri.res.in, sp. geophysics; geophysical & environmental modelling.
- 1993 **Singh, Sarva Jit**, b. 1939, Ph.D. (Kurukshetra), FNA, FNASc, Res. 22A, Navyug Adarsh Apartments, F Block, Vikas Puri, New Delhi 110 018, Tel. (011) 2854 9222, Mobile: 93122 50454, email: s_j_singh@yahoo.com, sp. theoretical seismology; applied mathematics.
- 1994 **Singh, Tej Pal**, b. 1944, Ph.D. (IISc), D.Sc.(h.c.), FNA, FNASc, FTWAS, Distinguished Biotechnology Research Professor, Department of Biophysics, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2658 8931, Res. (011) 2617 2320, Mobile: 93122 49508, Fax (011) 2658 8863, email: tpsingh.aiims@gmail.com, sp. structural biology; protein structures; peptide design; drug discovery.
- 2005 **Singh, Vinod Kumar**, b. 1959, Ph.D. (Baroda), FNA, FNASc, Director, Indian Institute of Science Education & Research, Transit Campus, ITI (Gas Rahat) Building, Govindpura, Bhopal 462 023, Tel. Off. (0755) 260 1096, Res. (0755) 268 8008, Mobile: 99811 44455, Fax (0755) 409 2392, email: vinodks@iitk.ac.in, sp. synthetic organic chemistry.

Elected
Year

- 1970 **Singh**, Virendra, b. 1938, Ph.D. (UC Berkeley), FNA, FNASc, FTWAS, Res. 51, New Cosmos, Juhu-Versova Link Road, Andheri (West), Mumbai 400 053, Tel. (022) 2671 6681, email: vsingh1937@gmail.com, URL: <http://theory.tifr.res.in/~vsingh/>, sp. theoretical physics; quantum mechanics; history & philosophy of science. **Council Service:** 1977–82.
- 1991 **Singh**, Yashwant, b. 1944, D.Phil. (Calcutta), FNA, Professor Emeritus, Department of Physics, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 230 7308–9, Res. (0542) 231 6119, Mobile: 94159 91459, Fax (0542) 236 8468, email: ysingh@bhu.ac.in; singh.yas44@gmail.com, sp. condensed matter physics; statistical mechanics; biological physics.
- 870
- 2011 **Singh**, Yogendra, b. 1957, Ph.D. (Delhi), FNASc, FNA, Chief Scientist, Institute of Genomics & Integrative Biology, Mall Road, Delhi 110 007, Tel. Off. (011) 2766 6156, Res. (011) 2748 4675, Mobile: 98710 95673, Fax (011) 2766 7471, email: ysingh@igib.res.in, sp. bacterial pathogenesis; biochemistry; cell biology.
- 1986 **Singhi**, Navin Kumar Madhavprasad, b. 1949, Ph.D. (Bombay), FNA, Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2590, Res. (022) 2280 4714, Fax (022) 2280 4610, email: singhi@math.tifr.res.in, sp. discrete mathematics; designs & finite geometries.
- 2000 **Singhvi**, Ashok Kumar, b. 1950, Ph.D. (IIT, Kanpur), FNA, FNASc, FTWAS, Outstanding Scientist, Geosciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4366; (079) 2631 4370, Res. (079) 2685 5831, Mobile: 90990 61962, Fax (079) 2631 4912, email: singhvi@prl.res.in, URL: <http://www.prl.res.in/~singhvi/>, sp. quaternary geochronology; earth surface processes; past climates; tectonics; radiation effects in minerals.
- 1974 **Sinha**, Akhoury Purnendu Bhusan, b. 1928, Ph.D. (London), FNA, Visiting Scientist, Morris Research Inc.; Res. 1918, University Avenue, Berkeley, California 94704, USA, email: apbsinha@yahoo.com, Tel. (+1-510) 525 7263, sp. solid state materials.

Elected
Year

- 2004 **Sinha, Bikash Chandra**, b. 1945, Ph.D. (London), D.Sc. (London), FNA, FNASc, FTWAS, DAE Homi Bhabha Professor, Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata 700 064, Tel. Off. (033) 2337 0032, Res. (033) 2475 2206, Fax (033) 2334 6871, email: bikash@vecc.gov.in, sp. nuclear physics; high energy physics; quark gluon plasma; early universe cosmology; nuclear medicine; helium from thermal springs.
- 1986 **Sinha, Kalyan Bidhan**, b. 1944, Ph.D. (Rochester), FNA, FTWAS, Dean, Faculty Affairs, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2997, Res. (080) 2366 5608, Mobile: 99001 44612, Fax (080) 2208 2897, email: kbs@jncasr.ac.in, sp. spectral theory of operators; non-commutative geometry; stochastic processes. **Council Service:** 1992–97, 2010–12; Vice-President: 1995–97, 2010–12.
- 1971 **Sinha, Krityunjai Prasad**, b. 1929, Ph.D. (Pune & Bristol), FNA, FNASc, INSA Honorary Scientist, IISc, Bangalore; Res. Sterling Residency, D-105, RMV II Stage, Dollars Colony, Bangalore 560 094, Tel. (080) 2351 8553, email: kritpsinha@gmail.com; kpsin03@yahoo.com, sp. solid state & theoretical physics; complex systems & non-equilibrium quantum coupling; low-energy nuclear reactions; condensed matter nuclear science.
- 2000 **Sinha, Pratima**, b. 1952, Ph.D. (TIFR), FNASc, Professor, Department of Biochemistry, Bose Institute, P-1/12, CIT Scheme, VII M, Kolkata 700 054, Tel. Off. (033) 2355 0256; (033) 2569 3225, Mobile: 98314 62939, Fax (033) 2355 3886, email: pratima@boseinst.ernet.in, sp. molecular genetics of yeast; molecular biology.
- 1999 **Sinha, Somdatta**, b. 1951, Ph.D. (JNU), FNA, FNASc, Professor of Biology, Indian Institute of Science Education and Research, Sector 81, Knowledge City, Manauli P.O., Mohali, SAS Nagar 140 306, Tel. Off. 89687 44849, Mobile: 98481 49991, Fax (0172) 224 0266, (0172) 224 0124, email: ssinha@iisermohali.ac.in; somdattasinha@gmail.com, sp. theoretical biology; complex systems in biology; nonlinear dynamics; computational biology. **Council Service:** 2007–12.

Elected
Year

- 2003 **Sinha**, Subrata, b. 1958, MD (AIIMS), Ph.D. (MRC, UK), FNA, FNASc, FAMS, Director, National Brain Research Centre, Nainwal Mode, Manesar, Gurgaon 122 050, Tel. Off. (0124) 233 8929, Res. (011) 2696 6586, Mobile: 98119 01376, Fax (0124) 233 8928, email: director@nbrc.ac.in; subrata.sinha@nbrc.ac.in, sp. molecular oncology & immunology.
- 880
- 2010 **Sinha**, Sudeshna, b. 1962, Ph.D. (Bombay), Professor, Indian Institute of Science Education & Research, Sector 81, Manauli P.O., Mohali, SAS Nagar 140 306, Res. (0172) 224 0019, Mobile: 99156 62755, email: sudeshna@imsc.res.in; sudeshna@iisermohali.ac.in, URL: <http://www.imsc.res.in/~sudeshna>, sp. nonlinear dynamics; chaos; complex systems.
- 1991 **Sitaram**, Alladi, b. 1947, Ph.D. (Washington), Raja Ramanna Fellow, Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2711, Res. (080) 2558 6103, email: sitaram.alladi@gmail.com, sp. harmonic analysis on Euclidean spaces & on Lie groups. **Council Service:** 2001–03.
- 1990 **Sitaramam**, Vetury, b. 1946, M.B.B.S. (Madras), Ph.D. (IISc), Res. No. 18, S. No. 245, Anant Co-operative Housing Society, DP Road, Pune 411 007, Tel. (020) 2729 7808, Mobile: 98600 03258, email: sitaramamv@gmail.com, sp. bioenergetics; biomembranes; biochemistry.
- 1977 **SivaRaman**, Churya, b. 1923, Ph.D. (Madras), FNA, Res. 111, Anand Park, Aundh, Pune 411 007, Tel. (020) 2588 6626, Mobile: 98230 69480, email: churya.sivaraman@gmail.com, sp. molecular enzymology & enzyme; microbial technology.
- 1992 **Sivaram**, Swaminathan, b. 1946, Ph.D. (Purdue), D.Sc (h.c., Purdue), FNA, FNASc, FTWAS, FNAE, Polymers and Advanced Materials Laboratory, National Chemical Laboratory, Pune 411 008, Tel. Off. (020) 2590 3260; (020) 2590 2614, Res. (020) 2589 3629, Fax (020) 2590 2615, email: s.sivaram@ncl.res.in, sp. polymer chemistry & technology; polymer surfaces & interfaces; structured polymers. **Council Service:** 2007–12; Vice-President: 2007–12.
- 1995 **Sivasanker**, Subramanian, b. 1944, Ph.D. (Madras), Chair Professor, National Centre for Catalysis Research, Indian Institute of Technology, Chennai 600 036, Tel. Off. (044) 2257 4238, Res. (044) 4551 1960, Mobile: 98401 03865, Fax (044) 2257 5245, email: ssivasanker@iitm.ac.in, sp. industrial catalysis; petroleum refining & petrochemical production; green chemistry.

Elected
Year

- 2008 **Somasundaram**, Kumaravel, b. 1962, Ph.D. (MKU), FNASc, FNA, Professor, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 7171, Res. (080) 2360 2136, Fax (080) 2360 2697, email: skumar@mcbl.iisc.ernet.in, sp. cancer biology; genetics & virology.
- 1980 **Somayajulu**, Bhamidipati Lakshmidhara Kanakadri, b. 1937, Ph.D. (Bombay), FNA, FNASc, FTWAS, Res. No. 3, New Aangan Members' Association, Vastrapur, Ahmedabad 380 015, Tel. (079) 2674 7807, email: vasantisomayajulu52@yahoo.com, sp. nuclear oceanography; geochemistry; cosmic ray-produced radioisotopes.
- 2006 **Sonti**, Ramesh Venkata, b. 1960, Ph.D. (Utah), FNASc, FNAAS, FNA, Scientist, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2577, Res. (040) 2715 0821, Mobile: 94410 55295, Fax (040) 2716 0591, email: sonti@ccmb.res.in, sp. plant-microbe interactions; plant genetics; bacterial genetics.
- 1991 **Sood**, Ajay Kumar, b. 1951, Ph.D. (IISc), FNA, FNASc, FTWAS, Professor, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 2238; (080) 2293 2964, Res. (080) 2360 8323, Fax (080) 2360 2602, email: asood@physics.iisc.ernet.in, URL: www.physics.iisc.ernet.in/~asood/, sp. Raman spectroscopy; high pressure; physics of soft condensed matter.
Council Service: 2001–; Secretary: 2001–06; Treasurer: 2007–09; President: 2010–12.
- 890
- 1992 **Sopory**, Sudhir Kumar, b. 1948, Ph.D. (Delhi), FNA, FNASc, FNAAS, FTWAS, Vice Chancellor, Jawaharlal Nehru University, New Delhi 110 067, Tel. Off. (011) 2674 1500, (011) 2670 4001, Res. (011) 2674 1555; (0129) 222 2208, Mobile: 98114 31741, Fax (011) 2674 2580, email: sopory@mail.jnu.ac.in; vc@mail.jnu.ac.in; sopory@hotmail.com, sp. molecular plant physiology; plant tissue culture & transformation. **Council Service:** 2001–06.
- 2013 **Souradeep**, Tarun, b. 1967, Ph.D. (Pune), Professor, Inter-University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune 411007, Tel. Off. (020) 2560 4212, Res. (020) 2560 4407, Mobile: 94226 44463, Fax (020) 2560 4699, email: tarun@iucaa.ernet.in, URL: www.iucaa.ernet.in/~tarun, sp. cosmology; high energy physics; early universe.

Elected
Year

- 2010 **Sowdhamini**, Ramanathan, b. 1964, Ph.D. (IISc), FNA, Associate Professor, National Centre for Biological Sciences, UAS-GKVK Campus, Bellary Road, Bangalore 560 065, Tel. Off. (080) 2366 6250, Res. (080) 2366 6473, Mobile: 93425 99179, Fax (080) 2363 6662, email: mini@ncbs.res.in, <http://caps.ncbs.res.in>, sp. structural bioinformatics; protein domain superfamilies; genome-wide survey & function annotation of genes.
- 1965 **Sreekantan**, Badanaval Venkata, b. 1925, Ph.D. (Bombay), FNA, FNASc, Honorary Visiting Professor, National Institute of Advanced Studies, IISc Campus, Bangalore 560 012, Tel. Off. (080) 2218 5082, Res. (080) 2334 7434, Fax (080) 2360 6634, email: bvs@nias.iisc.ernet.in, sp. cosmic rays & high energy physics; high energy astrophysics. **Council Service:** 1983–88, Vice-President: 1986–88.
- 2008 **Srianand**, Raghunathan, b. 1969, Ph.D. (Utkal), Scientist G, Inter-University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune University Campus, Pune 411 007, Tel. Off. (020) 2560 4220, Res. (020) 2560 4412, Fax (020) 2560 4699, email: anand@iucaa.ernet.in, sp. QSO spectroscopy; cosmology; structure formation.
- 1989 **Sridharan**, Asuri, b. 1937, D.Sc. (IISc), Ph.D. (Purdue), FNA, FNAE, Res. No 40, West Park Road, Malleswaram, Bangalore 560 003, Tel. (080) 2334 1046, Mobile: 98458 06379, email: asridharan@yahoo.com, sp. engineering properties of clays & clay mineralogy; foundation engineering.
- 1995 **Sridharan**, Rajagopal, b. 1948, Ph.D. (Gujarat), FNASc, CSIR Emeritus Scientist, Physical Research Laboratory, Ahmedabad 380 009, Tel. Off. (079) 2631 4777, Res. (079) 2675 1361, Mobile: 94291 99824, Fax (079) 2631 4659, email: r_sridharan777@yahoo.co.in; sridharan@prl.res.in, sp. solar terrestrial physics; space physics; optical astronomy; planetary atmospheres.
- 1975 **Sridharan**, Ramaiyengar, b. 1935, Ph.D. (Columbia), FNA, FNASc, Adjunct Professor, Chennai Mathematical Institute, H1, Sipcot IT Park, Padur Post, Siruseri, Chennai 603 103, Tel. Off. (044) 2747 0227/1231, Res. (044) 2448 3692, Fax (044) 2747 0225, email: rsridhar@cmi.ac.in, sp. algebra.

Elected
Year

- 1994 **Srinivas**, Vasudevan, b. 1958, Ph.D. (Chicago), FNA, Senior Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2217, Res. (022) 2280 4966, Fax (022) 2280 4610, email: srinivas@math.tifr.res.in, sp. algebraic geometry; algebraic *K*-theory; commutative algebra.
- 1984 **Srinivasan**, Ganesan, b. 1942, Ph.D. (Chicago), Res. 190, I Main Road, I Block, BEL Layout, Vidyananyapura, Bangalore 560 097, Tel. (080) 2364 2378, Mobile: 96118 39690, email: gsrini1942@gmail.com, sp. condensed matter physics; astrophysics. **Council Service:** 1986–2003; Secretary: 1986–88; Editor of Publications: 1989–94; Treasurer: 1995–2003.
- 1992 **Srinivasan**, Jayaraman, b. 1947, Ph.D. (Stanford), FNA, FNAE, Chairman, Divecha Centre for Climate Change; Professor, Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3068, Res. (080) 2331 4998, Fax (080) 2360 0865, email: jayes@caos.iisc.ernet.in, sp. thermal science; climate science & solar energy. **Council Service:** 2007–; Secretary: 2007–12; Treasurer: 2013–.
- 1985 **Srinivasan**, Mandakolathoor Subrahmanya, b. 1938, Ph.D. (Wellington), FNA, FNASc, FTWAS, Emeritus Professor, Department of Geology, Banaras Hindu University, Varanasi; Res. 42/4, HIG Flats, Kabir Nagar, Durgakund, Varanasi 221 005, Tel. Off. (0542) 230 7310, Res. (0542) 231 1887, Mobile: 94505 31962, Fax (0542) 236 8174, email: mssrinivasan@rediffmail.com, sp. micropalaeontology; palaeoceanography; marine geology.
- 2007 **Srinivasan**, Narayanaswamy, b. 1962, Ph.D. (IISc), FNASc, Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2837, Res. (080) 2366 6473, Mobile: 93421 07047, Fax (080) 2360 0535, email: ns@mbu.iisc.ernet.in, sp. protein functions; structures & evolution; bioinformatics in genomics; metabolism & signal transduction.
- 1975 **Srinivasan**, Ramaswami, b. 1931, Ph.D. (Madras), Res. 143, V Cross, III Main Road, I Stage, Vijayanagar Extension, Mysore 570 017, Tel. (0821) 251 7504, email: rsvmys@gmail.com, sp. lattice dynamics; cryogenics; laser cooling of atoms.

Elected
Year

- 1992 **Srinivasan**, Ramaswamiah, b. 1943, Ph.D. (Mysore), FNA, FNASc, INSA Senior Scientist, Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bangalore; Res. 114, Kshitija, Ramanashree Nagar, SOS Post, Bannerghatta Road, Bangalore 560 076, Tel. Off. (080) 2293 2505, Res. (080) 2643 2614, Mobile: 96323 19090, Fax (080) 2360 0865, email: srinimalu@gmail.com, sp. precambrian geology; archaean sedimentation & palaeobiology; geochemistry.
- 1998 **Srivastava**, Deepak Chandra, b. 1956, Ph.D. (ISM, Dhanbad), FNA, FNASc, Professor, Department of Earth Sciences, Indian Institute of Technology, Roorkee 247 667, Tel. Off. (01332) 28 5558, Res. (01332) 27 5112, Mobile: 97600 24767; 94563 81281, Fax (01332) 27 3560, email: dpkesfes@iitr.ernet.in; dpkesfes@gmail.com, sp. structural geology & fluid inclusions.
- 2011 **Srivastava**, Rajesh Kumar, b. 1961, Ph.D. (Banaras), Department of Geology, Banaras Hindu University, Varanasi 221 005, Tel. Off. (0542) 670 1358, Res. (0542) 257 0925, Mobile: 94158 12079, Fax (0542) 236 9239, email: rajeshgeolbhu@yahoo.com; rajeshgeolbhu@gmail.com, sp. igneous petrology; geochemistry; precambrian geology.
- 1975 **Subba Rao**, Bookinkere Channakeshavaiah, b. 1923, Ph.D. (Purdue), Res. Sri Ganga, No. 8, Temple Road, Jayalakshmipuram, Mysore 570 012, Tel. (0821) 251 0882, Mobile: 99456 53703, sp. applied organic chemistry; industrial chemistry.
- 1958 **Subba Rao**, Bookinkere Ramakrishnaiya, b. 1925, Ph.D. & D.Sc. (Mysore), Res. 29, Oswald Road, Bcalham, London SW17 7SS, UK, Tel. (+44-20) 8767 7121, email: raosubba@yahoo.com; bs.subbarao@yahoo.com, sp. entomology; taxonomy of chalcidoidea.
- 1985 **Subba Rao**, Ganugapati Sree Rama, b. 1937, Ph.D. (Manchester), D.Sc. (Andhra), FNA, INSA Honorary Scientist, Department of Organic Chemistry, Indian Institute of Science, Bangalore 560012; Res. 1A, Pradhan Apartments, 16/5, 18th Cross, Malleswaram, Bangalore 560 055, Res. (080) 2346 6430, Mobile: 98863 10603, email: gsrs@orgchem.iisc.ernet.in; gsrsrao@yahoo.com, sp. synthetic & mechanistic organic chemistry; natural products chemistry.
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Year

- 1988 **Subba Rao**, Gundlapalli Venkata, b. 1940, Ph.D. (IIT, Kanpur), FNA, Professor, Department of Physics, National University of Singapore, South Kent Ridge, Singapore 117542, Tel. Off. (+65) 6516 2607, Fax (+65) 6777 6126, email: phyvsg@nus.edu.sg, sp. materials science; solid state chemistry.
- 1974 **Subbarao**, Eleswarapu Chinna, b. 1928, Ph.D. (Penn. State), FNA, FNAE, Chief Consulting Adviser, Tata Consultancy Services Limited, 54B, Hadapsar Industrial Estate, Hadapsar, Pune 411 013, Tel. Off. (020) 2681 2226; (020) 6608 6267, Mobile: 98509 65686, Fax (020) 6608 6399, email: ec.subbarao@tcs.com; ecsubbarao@yahoo.com, sp. materials science; renewable energy; R&D management.
- 1991 **Subbarao**, Kaigala Venkata, b. 1942, Ph.D. (SV Univ, Tirupati), Flat No. 201, Aliens Valley Alps, Diamond Heights Layout, Plot No-D.H. 87 & 88, Near Aparna Sarovar, Gopannapillai, Hyderabad 500 046, Tel. (040) 6581 3178, Mobile: 99896 64093, email: kvsubbarao_iitb@yahoo.co.in, sp. volcanology; igneous petrology; palaeomagnetism.
- 1993 **Subrahmanya**, Chelur Ramachandra, b. 1948, Ph.D. (Bombay), Emeritus Professor, Raman Research Institute, C.V. Raman Avenue, Bangalore 560 080, Tel. Off. (080) 2361 1009, Res. (080) 2364 3355, Fax (080) 2361 0492, email: crs@rri.res.in, sp. real time signal processing for radio telescopes; observational cosmology; satellite orbit estimation.
- 1995 **Subrahmanyam**, Nekkalapudi Chinna, b. 1943, Ph.D. (Guelph, Canada), FNA, FNAAS, Unit 3, 28 Boronia Grove, Doncaster East, Victoria 3109, Australia, Tel. (+61-3) 9842 2315, email: navy756@hotmail.com, sp. genetics; plant molecular biology; biotechnology.
- 1955 **Subramanian**, Chirayathumadom Venkatachaliar, b. 1924, D.Sc. (Madras), FNA, FNAAS, Res. No. A-8, Damayanthi Apartments, 17, South Mada Street, Nungambakkam, Chennai 600 034, Tel. (044) 2823 4941, email: cvsubra1952@yahoo.co.in, sp. mycology; plant pathology; evolution. **Council Service:** 1974–85; Vice-President: 1977–85.
- 1972 **Subramanian**, Dubagunta, b. 1931, Ph.D. (Madras), Res. Flat No. 401, Abode Admire, Plot No. 886-890, Defence Colony, Sainikpuri, Secunderabad 500 094, Tel. (040) 2711 7164, Mobile: 95738 19165, email: subramaniansakku@gmail.com, sp. plant physiology & pathology; biochemistry; microbiology.

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Year

- 2010 **Subramanian**, Kandaswamy, b. 1957, Ph.D. (TIFR), Dean, Visitor Academic Programmes & Professor, Inter-University Centre for Astronomy and Astrophysics, Post Bag 4, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4101, Res. (020) 2560 4410, Mobile: 98238 44526, Fax (020) 2560 4699, email: kandu@iucaa.ernet.in, sp. cosmic magnetic fields; structure formation; cosmology.
- 1989 **Subramanian**, Sankaran, b. 1942, Ph.D. (Leicester), FNA, Scientist, Radiation Biology Branch, National Cancer Institute, National Institutes of Health, 9000 Rockville Pike, Bethesda, Maryland 20892, USA, Tel. Off. (+1-301) 443 6490, Res. (+1-301) 721 0473, Mobile: (+1-301) 704 1570, Fax (+1-301) 480 2238, email: subramsa@helix.nih.gov, sp. NMR; EPR; theoretical chemistry; magnetic resonance imaging.
- 1991 **Subramanyam**, Somenahalli Venkatesarao, b. 1943, Ph.D. (IISc), Res. No. 1, 8th Main, Sharada Colony, Basaveshwara Nagar, Bangalore 560 079, Tel. (080) 6535 5051, Mobile: 98866 43207, email: svb@physics.iisc.ernet.in; svb1943@hotmail.com, sp. condensed matter physics; low temperature physics; high pressure physics; carbon films; conducting polymers.
- 920
- 1963 **Sudarshan**, Ennackal Chandy George, b. 1931, Ph.D. (Rochester), D.Sc. (h.c.), FNA, Professor, Department of Physics, University of Texas, Austin, Texas 78712, USA, Tel. Off. (+1-512) 471 5229, Res. (+1-512) 834 1722, Fax (+1-512) 834 8441, email: sudarshan@utaphy.ph.utexas.edu; sudarshan@physics.utexas.edu, sp. group representations; quantum optics; elementary particle physics; quantum field theory & quantum mechanics; quantum computing & statistical mechanics.
- 1974 **Sukh Dev**, b. 1923, Ph.D. (Panjab), D.Sc. (IISc), FNA, FTWAS, Res. 120, ISCON Mega City, Bhavnagar 364 001, Tel. (0278) 649 9072, email: sdlala1924@gmail.com, sp. organic chemistry; synthesis; natural products; drug discovery.
- 1986 **Sukhatme**, Suhas Pandurang, b. 1938, Sc. D., FNA, FNASc, FNAE, Professor Emeritus, IIT Bombay; Res. 2-A/8-C, Anjaneya Co-op. Housing Society, Orchard Avenue, Opp. Hiranandani Foundation School, Powai, Mumbai 400 076, Tel. (022) 2570 1052, email: spsiitb@yahoo.co.uk, sp. heat transfer; solar energy. **Council Service:** 1998–2000.

Elected
Year

- 2000 **Sukumar**, Raman, b. 1955, Ph.D. (IISc), FNA, Professor, Centre for Ecological Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0382; (080) 2293 3102, Res. (080) 2360 0975, Mobile: 94482 75600, Fax (080) 2360 2280, email: rsuku@ces.iisc.ernet.in, URL: <http://ces.iisc.ernet.in/rsukumar>, sp. wildlife ecology; forest ecology; climate change.
- 1999 **Sundar**, Chakram Sampathkumaran, b. 1952, Ph.D. (Madras), FNASc, FNA, Director, Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam 603 102, Tel. Off. (044) 2748 0069, Res. (044) 2748 1192, Mobile: 97905 22807, Fax (044) 2748 0081, email: css@igcar.gov.in, sp. condensed matter physics & materials science; experimental techniques of positron annihilation spectroscopy; infrared spectroscopy.
- 2005 **Sundar**, Shyam, b. 1953, MD (Banaras), FNASc, FAMS, FNA, FRCP, Professor of Medicine, Institute of Medical Sciences, Banaras Hindu University, Varanasi 221 005; Res. 6, S K Gupta Nagar, Lanka, Varanasi 221 005, Tel. Off. (0542) 236 9632, Res. (0542) 236 7795, Mobile: 94530 48500, Fax (0542) 236 7568, email: drshyamsundar@hotmail.com; doctorshyamsundar@gmail.com, sp. infectious diseases; visceral leishmaniasis; HIV-AIDS.
- 2013 **Sundar Rajan**, Balaji, b. 1958, Ph.D. (IIT, Kanpur), FNA, FNASc, FNAE, Professor, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2855, Res. (080) 2360 2085, Mobile: 98459 88753, Fax (080) 2360 0563, email: bsrajan@ece.iisc.ernet.in, URL: <http://www.ece.iisc.ernet.in/~bsrajan/index.html>, sp. wireless communication; coding theory.
- 1965 **Sundaram**, Subramania, b. 1930, M.Sc. (Tech.), FRSC (London), Res. 3B, Raghava Apartments, 41C (New No. 66), Beach Road, Kalakshetra Colony, Chennai 600 090, Tel. (044) 2490 1565, Mobile: 94440 51565, email: sundaram.chennai@gmail.com, sp. textile technology; chemical plant & synthetic fibre technology.
- 1992 **Sundararajan**, Govindan, b. 1953, Ph.D. (Ohio State), FNA, FNASc, FNAE, Director, International Advanced Research Centre for Powder Metallurgy & New Materials, Balapur Post, Hyderabad 500 005, Tel. Off. (040) 2444 3167; (040) 2444 1082, Res. (040) 2717 6029, Mobile: 94901 17167, Fax (040) 2444 3168, email: gsundar@arci.res.in; director@arci.res.in, sp. surface engineering; development of novel coating technologies; high temperature deformation & fracture; high strain rate deformation; ballistic penetration. **Council Service:** 2013–; Vice-President: 2013–.

Elected
Year

- 1995 **Sunder**, Ramasubbu, b. 1953, Ph.D. (Kiev), Technical Director, BISS Research, 41A, 1st A Cross, Krishnappa Layout, AECS, RMV Extension, Second Stage, Bangalore 560 094, Tel. Off. (080) 2836 0184, Res. (080) 2341 4133, Fax (080) 2836 0047 email: rs@biss.in; sunder@testresources.com, sp. fatigue & fracture testing for strength & endurance; durability & performance of materials.
- 1992 **Sunder**, Viakalathur Shankar, b. 1952, Ph.D. (Indiana), FNASc, FNA, Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3210; (044) 2254 3100, Res. (044) 2451 6082, Mobile: 94449 50534, Fax (044) 2254 1586, email: sunder@imsc.res.in, URL: www.imsc.res.in/~sunder/, sp. von Neumann algebras & subfactors. **Council Service:** 2004–06.
- 2008 **Suresh**, Venapally, b. 1966, Ph.D. (Bombay), Professor, Department of Mathematics & Statistics, University of Hyderabad, Gachibowli, Hyderabad 500 046, Tel. Off. (040) 2313 4003, Res. (040) 2412 0110, Mobile: 93910 13585, email: vssm@uohyd.ernet.in, sp. algebra; quadratic forms & division algebras; arithmetic geometry.
- 1987 **Surolia**, Avadhesha, b. 1947, Ph.D. (Vellore), FNA, FNASc, FTWAS, Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 2763; (080) 2293 2714, Res. (080) 2360 0149, Fax (080) 2360 0535, email: surolia@mbu.iisc.ernet.in, sp. protein chemistry; protein folding; function & design for therapeutics.
- 2002 **Surolia**, Namita, b. 1953, Ph.D. (Allahabad), FNASc, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2820; (080) 2208 2821, Res. (080) 2360 0149, Fax (080) 2208 2766, email: surolia@jncasr.ac.in, sp. molecular parasitology; biochemistry; molecular biology.
- 1987 **Susheela**, Andezhath Kumaran, b. 1937, Ph.D. (Baroda), FAMS, Executive Director, Fluorosis Research & Rural Development Foundation, B-1 Saransh, 34, Indraprastha Extension, Delhi 110 092, Tel. Off. (011) 2273 1886, Res. (011) 2272 6725, Mobile: 98105 35228, Fax (011) 2272 5156, email: frnrdf@gmail.com, sp. histocytochemistry; toxicology: fluoride & fluorosis mitigation.

Elected
Year

- 1981 **Sushil Kumar**, b. 1940, Ph.D. (IARI), FNA, FNASc, FNAAS, INSA Senior Scientist, National Institute for Plant Genome Research, Aruna Asaf Ali Marg, JNU Campus, New Delhi 110 067, Tel. Off. (011) 2673 5177, Res. (011) 2686 5494, Mobile: 98107 23891, Fax (011) 2674 1658, email: sushil2000_01@yahoo.co.in, sp. genetical genomics; food crops; medicinal & aromatic plants.
- 1959 **Swaminathan**, Monkombu Sambasivan, b. 1925, Ph.D. (Cambridge), D.Sc. (h.c.), FRS, FNA, FTWAS, Emeritus Chairman & Chief Mentor, MS Swaminathan Research Foundation, III Cross Street, Taramani Institutional Area, Chennai 600 113, Tel. Off. (044) 2254 2790; (040) 2254 1229/1698, Res. (044) 2434 5312, Fax (044) 2254 1319, email: swami@mssrf.res.in, sp. genetics; cytogenetics; plant breeding. **Council Service:** 1968–73, Vice-President: 1971–73.
- 1969 **Swaminathan**, Sambasiva, b. 1923, Ph.D. (Illinois), FNA, Res. No. 6, 12th Cross Street, Shastrinagar, Chennai 600 020, Tel. (044) 2491 1858, email: swaminathan1923@yahoo.co.in, sp. organic chemistry.
- 2013 **Swaminathan**, Soumya, b. 1959, MD (AIIMS), FNASc, Director, National Institute for Research in Tuberculosis, 1, Sathiyamoorthy Road, Chetput, Chennai 600 031, Tel. Off. (044) 2836 9500, Res. (044) 4230 0268, Mobile: 94440 57478, Fax (044) 2836 2528, email: soumyas@trcchennai.in; doctorsoumya@yahoo.com, sp. paediatrics; tuberculosis; HIV co-infection; TB pathogenesis.
- 2007 **Swamy**, Musti Joginadha, b. 1959, Ph.D. (IISc), FNASc, Professor, School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 2313 4807, Res. (040) 2301 2548, Mobile: 98660 07530, Fax (040) 2301 2460, email: mjssc@uohyd.ernet.in; mjswamy1@gmail.com, sp. protein chemistry & protein-ligand interaction; lipid phase behaviour & polymorphism; lipid-protein interaction.
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- 1995 **Swarup**, Ghanshyam, b. 1953, Ph.D. (Bombay), FNA, Scientist, Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500 007, Tel. Off. (040) 2719 2616, Res. 95026 41429, Mobile: 99891 33201, Fax (040) 2716 0591, email: gshyam@ccmb.res.in, sp. molecular & cell biology; cell signalling; molecular basis of disease.

Elected
Year

- 1967 **Swarup**, Govind, b. 1929, Ph.D. (Stanford), FRS, FNA, FNASc, FTWAS, National Centre for Radio Astrophysics, Pune; Res. 10 Cozy Retreat, Road No. 3, Sindh Society, Aundh, Pune 411 007, Tel. Off. (020) 2571 9277, Res. (020) 2585 1630, Mobile: 89757 82096, Fax (020) 2569 2149, email: gswarup29@gmail.com, sp. radio astronomy.
- 2007 **Tahseen**, Qudsia, b. 1964, Ph.D. (Aligarh), Professor, Department of Zoology, Aligarh Muslim University, Aligarh 202 002, Tel. Off. (0571) 270 0921–23/3440, Res. 93196 24196, Mobile: 94102 10184, email: tqudsia@hotmail.com; qtahseen@gmail.com, sp. nematology; taxonomy; biology & functional biodiversity of soil & freshwater nematodes.
- 1974 **Talwar**, Gursaran Parshad, b. 1926, Docteur es Sciences, D.Sc (h.c.), FAMS, FNASc, FNA, Director Research, The Talwar Research Foundation, E-6-8, Neb Valley, Neb Sarai, New Delhi 110 068, Tel. Off. (011) 2953 1039; (011) 2953 6769, Res. (011) 2953 3229, Mobile: 88003 22055, Fax (011) 2953 6768, email: gptalwar@gmail.com, sp. endocrinology; reproductive health & immunology.
- 1983 **Tandon**, Prakash Narain, b. 1928, MS, D.Sc. (h.c.), FRCS, FNA, FNASc, FAMS, FTWAS, Res. No. 1, Jagriti Enclave, Vikas Marg Extension, Delhi 110 092, Tel. Off. (0124) 233 8929, Res. (011) 2216 3272, Fax (0124) 233 8928, sp. neurosciences; neuro-surgery.
- 1987 **Tandon**, Sampat Kumar, b. 1945, Ph.D. (Delhi), FNA, FNASc, FTWAS, Professor Emeritus, University of Delhi, Delhi 110 007; and Distinguished Fellow, Shiv Nadar University, Gautam-budhnagar, U.P.; Res. A566C, Sushant Lok, Phase I, Gurgaon 122 002, Tel. (0124) 422 7715, Mobile: 98104 37365, Fax (011) 2766 7093, email: sktand@rediffmail.com, sp. sedimentology; physical stratigraphy; quaternary geology; river science.
- 1987 **Tandon**, Shyam Narayan, b. 1944, Ph.D. (Bombay), FNASc, Emeritus Professor, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune 411 007, Tel. Off. (020) 2560 4100; (020) 2560 4110, Res. (020) 2588 7051, Fax (020) 2560 4699, email: sntandon@iucaa.ernet.in, sp. cosmic rays; infra-red astronomy; ultraviolet astronomy; instrumentation for astronomy & space astronomy.

Elected
Year

- 1985 **Taqi Khan**, Mirza Mohammad, b. 1931, Ph.D. (Clark), FNA, FNASc, Res. 17-3-479, Yakutpura, Hyderabad 500 023, Tel. (040) 2452 4371, email: taquikhan@yahoo.com, sp. co-ordination chemistry; bioinorganic chemistry; catalysis.
- 2012 **Tatu**, Utpal Shashikant, b. 1964, Ph.D. (IISc), Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2823, Res. (080) 2360 2559, Mobile: 99455 67901, Fax (080) 2360 0814, email: tatu@biochem.iisc.ernet.in, sp. cell biology; biochemistry; molecular chaperones; infectious diseases.
- 1991 **Thakur**, Vikram Chandra, b. 1940, Ph.D. (London), Res. 9/12 (Lane 9), Ashirwad Enclave, Dehra Dun 248 001, Tel. Off. (0135) 252 5216, Res. (0135) 276 1271, Fax (0135) 262 5212, email: thakurvc12@gmail.com; thakurvc@wihg.res.in, sp. structural geology; Himalayan geology & tectonics; active tectonics.
- 950
- 1997 **Thangavelu**, Sundaram, b. 1957, Ph.D. (Princeton), FNA, Professor, Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3206, Res. (080) 2360 1132, Fax (080) 2360 0146, email: veluma@math.iisc.ernet.in, sp. harmonic analysis on Lie groups; partial differential equations; classical analysis.
- 1987 **Thathachar**, Mandayam Anandampillai Lakshmi, b. 1939, Ph.D. (IISc), FNA, FNAE, FIEEE, Res. 23, 10th Cross Road, Swimming Pool Extension, Malleswaram, Bangalore 560 003, Tel. (080) 2336 7263, email: maltcharind@yahoo.com, sp. systems science; learning algorithms; pattern recognition.
- 2006 **Thelma**, Bittianda Kuttapa, b. 1955, Ph.D. (Delhi), FNA, FNASc, Professor, Department of Genetics, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 8201; (011) 2411 7399, Res. (011) 2411 3548, Fax (011) 2411 2761, email: thelmabk@yahoo.co.in; thelmabk@gmail.com, sp. human genetics; pharmacogenetics; medical genomics.
- 1995 **Thiagarajan**, Pazhamaneri Subramaniam, b. 1948, Ph.D. (Rice), FNASc, Professor, Department of Computer Science, National University of Singapore, 13 Computing Drive, Singapore 117417, Tel. Off. (+65) 6516 7998, email: thiagu@comp.nus.edu.sg, URL: www.comp.nus.edu.sg/~thiagu, sp. computational systems biology; hybrid systems.

Elected
Year

- 2011 **Tole**, Shubha, b. 1967, Ph.D. (Caltech), FNASc, Professor, Department of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2878, Res. (022) 2280 4710, Fax (022) 2280 4610, email: shubhatole@gmail.com, sp. neuroscience; developmental biology.
- 2006 **Trivedi**, Sandip Parimal, b. 1963, Ph.D. (Caltech), Professor, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2424, Res. (022) 2280 4710, Fax (022) 2280 4610, email: sandip@tifr.res.in, sp. string theory; particle physics; quantum field theory.
- 1997 **Tuli**, Rakesh, b. 1953, Ph.D. (Gujarat), FNA, FNASc, FNAAS, Executive Director, National Agri-Food Biotechnology Institute, C-127, Industrial Area, SAS Nagar, Mohali 160 071, Tel. Off. (0172) 229 0101, Res. (0172) 2401 1918, Mobile: 99150 35511, Fax (0172) 460 4888, email: rakeshtuli@hotmail.com; edoffice@nabi.res.in, sp. plant & microbial biotechnology; genetic engineering; molecular biology; secondary metabolism; food & nutrition biotechnology.
- 2009 **Tuteja**, Narendra, b. 1955, Ph.D. & D.Sc. (Lucknow), FNA, FNASc, FNAAS, FTWAS, Group Leader & Senior Scientist, International Centre for Genetics Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2674 2357, Res. (011) 2689 0983, Mobile: 98112 33350, Fax (011) 2674 2316, email: narendra@icgeb.res.in, URL: <http://www.icgeb.org/pi-tuteja.html>, sp. molecular biology; DNA replication; plant abiotic stress tolerance; signal transduction; calcium-powered forisomes; stress tolerant genes from *Piriformospora indica*; tissue culture & plant transformation.
- 2004 **Tyagi**, Akhilesh Kumar, b. 1956, Ph.D. (Delhi), FNA, FNASc, FTWAS, FNAAS, Director, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2673 5169, Res. (011) 2674 2263, email: akhilesh@genomeindia.org, sp. genomics; regulation biology; biotechnology.
- 1995 **Tyagi**, Anil Kumar, b. 1951, Ph.D. (Delhi), FNA, FNASc, Professor, Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, New Delhi 110 021, Tel. Off. (011) 2411 5209; (011) 2411 0970, Res. (011) 2659 4544, Mobile: 93122 66218, Fax (011) 2411 5270, email: akt1003@rediffmail.com; aniltyagi@south.du.ac.in, sp. molecular biology; biochemistry; microbiology.

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Year

- 2013 **Tyagi**, Avesh Kumar, b. 1964, Ph.D. (Mumbai), FNASc, Head, Solid State Chemistry Section, Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400 085, Tel. Off. (022) 2559 5330, Res. (022) 2550 3020, Mobile: 98694 43020, Fax (022) 2550 5151, email: aktyagi@barc.gov.in, sp. chemistry of functional materials; nanomaterials; nuclear materials.
- 2008 **Tyagi**, Jaya Sivaswami, b. 1954, Ph.D. (Delhi), FNASc, FNA, Professor, Department of Biotechnology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2658 8491, Res. (011) 2658 8182, Mobile: 98104 09761, Fax (011) 2658 8663, email: jstyagi@aiims.ac.in; jstyagi@gmail.com, sp. molecular biology; gene regulation & mycobacteriology.
- 1969 **Udgaonkar**, Bhalchandra Madhav, b. 1927, M.Sc. (Bombay), FNA, Res. 705 Vigyan, Scientists Co-operative Housing Society, Plot No. 23, Sector 17, Vashi, Navi Mumbai 400 703, Tel. (022) 2789 0807, Fax (022) 2556 6803, sp. theoretical particle physics.
- 1997 **Udgaonkar**, Jayant Bhalchandra, b. 1960, Ph.D. (Cornell), FNA, Senior Professor, National Centre for Biological Sciences, GKVK Campus, Bangalore 560 065, Tel. Off. (080) 2366 6150, Res. (080) 2363 6673, Fax (080) 2363 6662, email: jayant@ncbs.res.in, sp. physical biochemistry; protein folding.
- 1992 **Uma Shaanker**, Ramanan, b. 1956, Ph.D. (UAS, Bangalore), Professor, Department of Crop Physiology, School of Ecology and Conservation, University of Agricultural Sciences, GKVK Campus, Bangalore 560 065, Tel. Off. (080) 2363 6350; (080) 2363 6713, Res. (080) 2856 5620, Mobile: 98452 03561, Fax (080) 2353 0070, email: rus@vsnl.com; umashaanker@gmail.com, sp. plant evolutionary biology; conservation genetics; bioprospecting.
- 2004 **Umapathy**, Siva, b. 1959, Ph.D. (Otago, New Zealand), Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 1234; (080) 2293 2595, Mobile: 94480 88381, Fax (080) 2360 1552, email: umapathy@ipc.iisc.ernet.in, sp. laser spectroscopy; photochemistry; biophotonics; ultrafast dynamics.
- 2000 **Vairamani**, Mariappanadar, b. 1950, Ph.D. (IIT, Madras), Dean, School of Bio-Engineering, SRM University, Kattankulathur 603 203, Tel. Off. (044) 2741 7812, Mobile: 97909 46095, email: mvairamani@hotmail.com; dean.biotech@ktr.srmuniv.ac.in, sp. mass spectrometry; organic chemistry.

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Year

- 1980 **Valdiya**, Khadg Singh, b. 1937, Ph.D. (Lucknow), FNA, FNASc, FTWAS, Honorary Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore; Res. 302, Sterling Apartments, 10 Papanna Street, Off St. Marks Road, Bangalore 560 001, Tel. Off. (080) 2208 2787, Res. (080) 4112 0784, Mobile: 98970 78756, Fax (080) 2208 2766, email: valdiya@jncasr.ac.in, sp. sedimentary geology; tectonics; environmental geology. **Council Service:** 1983–88.
- 1977 **Valiathan**, Marthanda Varma Sankaran, b. 1934, Ch.M. (Liverpool), FRCS (England, Edinburgh & Canada), FRCP (London), D.Sc. (h.c.), FNA, FNASc, FNAE, FAMS, FTWAS, National Research Professor, Manipal University, Madhav Nagar, Manipal 576 104, Tel. Off. (0820) 292 2342; (0820) 257 1201/22342, Res. (0820) 257 0491, Mobile: 94483 81547, Fax (0820) 257 1919; (0820) 257 0062, email: ms.valiathan@manipal.edu; msvaliathan@gmail.com, sp. cardiac surgery; cardiovascular materials; ayurveda. **Council Service:** 1980–91; Vice-President: 1986–91.
- 1971 **Valluri**, Sitaram Rao, b. 1924, Ph.D. (Caltech, Pasadena), Res. Prashanthi, 659, 100 Feet Road, Indiranagar, Bangalore 560 038, Tel. (080) 2525 8294, sp. metal fatigue.
- 970
- 2002 **Vankar**, Yashwant Dattatraya, b. 1950, Ph.D. (Banaras), FNA, JC Bose National Fellow, Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7169; (0512) 259 7436, Res. (0512) 259 0021, Mobile: 99350 62562, Fax (0512) 259 7492, email: vankar@iitk.ac.in, URL: <http://home.iitk.ac.in/~vankar/>, sp. synthetic organic chemistry; synthetic carbohydrate chemistry of biological relevance.
- 1997 **Vanninathan**, Muthusamy, b. 1951, Ph.D. (Pierre et Marie Curie, Paris), Professor, TIFR-Centre for Applicable Mathematics, Sharada Nagar, Yelahanka New Town, Bangalore 560 065, Tel. Off. (080) 6695 3790; (080) 6695 3745, Res. (080) 2360 3230, Fax (080) 6695 3799, email: vanni@math.tifrbng.res.in, sp. partial differential equations; numerical analysis; asymptotic analysis; homogenization; control of PDE.
- 2001 **Varadarajan**, Raghavan, b. 1960, Ph.D. (Stanford), FNA, Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2612, Res. (080) 2360 2332, Fax (080) 2360 0535, email: varadar@mbu.iisc.ernet.in, URL: <http://mbu.iisc.ernet.in/~rvgrp>, sp. protein structure & folding. **Council Service:** 2013–; Secretary: 2013–.

Elected
Year

- 1972 **Varadarajan**, Srinivasan, b. 1928, Ph.D. (Delhi & Cantab), D.Sc. (h.c.), D.Litt. (h.c.), FNA, FNAE, FTWAS, Res. 4-A, Girdhar Apartments, 28, Feroz Shah Road, New Delhi 110 001, Tel. Off. (011) 2322 1932–50; (011) 2323 0828, Res. (011) 2371 2512; (011) 2371 3137, email: esoffice@insa.nic.in; varadr@gmail.com, sp. organic & biological chemistry; molecular biology; engineering design technology development transfer; human nutrition policy; energy management systems. **Council Service:** 1974–88; Vice-President: 1977–79, President: 1980–82.
- 1977 **Varma**, Ram Kumar, b. 1935, Ph.D. (UC, San Diego), FNA, FNASc, Res. 303, Saraswati Nagar, Ahmedabad 380 015, Tel. Off. (079) 2631 4459, Res. (079) 2674 9242, Fax (079) 2631 4460, email: ramkvarma@gmail.com, sp. plasma physics & astrophysics; foundations of quantum mechanics; classical-quantum relationship.
- 1970 **Varma**, Ravi Martanda, b. 1922, M.B.B.S. (Madras), D.Sc. (h.c.), FRCS, Professor Emeritus, National Institute of Mental Health & Neurosciences, Bangalore; Res. No. 2, III Cross, Lakshmi Road, Shanthinagar, Bangalore 560 027, Tel. Off. (080) 2664 2121/208, Res. (080) 2222 3939, sp. neurosurgery. **Council Service:** 1971–76; Vice-President: 1974–76.
- 2002 **Varshney**, Umesh, b. 1957, Ph.D. (Calgary), FNA, FNASc, Professor, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0169; (080) 2293 2686, Res. (080) 2341 7828, Fax (080) 2360 2697, email: varshney@mcbl.iisc.ernet.in, sp. molecular biology; protein biosynthesis; DNA repair.
- 1999 **Vasudevan**, Sukumaran, b. 1953, Ph.D. (IIT, Kanpur), Professor, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2661, Res. (080) 2202 3570, Fax (080) 2360 1552, email: svipc@ipc.iisc.ernet.in, sp. physical chemistry of materials; intercalation chemistry; heterogeneous catalysis.
- 2002 **Veluthambi**, Karuppannan, b. 1953, Ph.D. (IISc), Professor, Department of Plant Biotechnology, Madurai Kamaraj University, Madurai 625 021, Tel. Off. (0452) 245 8683, Res. (0452) 245 8458, Mobile: 94439 27365, Fax (0452) 245 9105, email: kveluthambi@rediffmail.com, sp. plant genetic engineering; plant biotechnology; plant molecular biology.

Elected
Year

- 1974 **Venkataraman**, Ganesan, b. 1932, Ph.D. (Bombay), FNA, FNASc, Res. R1, A2 Mandir, Prasanthi Nilayam 515 134, Tel. (08555) 28 7499, email: gvraman108@gmail.com, sp. condensed matter physics; parallel computers. **Council Service:** 1983–85.
- 1980
- 2002 **Venkataramana**, Tyakal Nanjundiah, b. 1958, Ph.D. (Bombay), FNA, Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400 005, Tel. Off. (022) 2278 2224, Res. (022) 2280 4831, Fax (022) 2280 4610–1, email: venky@math.tifr.res.in, sp. rigidity & arithmeticity of lattices; cohomology of arithmetic groups; Shimura varieties.
- 1981 **Venkatesan**, Kailasam, b. 1932, Ph.D. (Madras), FNA, Res. D-1, Himagiri Apartments, 77, Fourth Main Road, Malleswaram, Bangalore 560 055, Tel. (080) 2334 8736, email: kvenoc15@yahoo.com, sp. chemical crystallography.
- 1990 **Venkatesh**, Yedatore Venkatakrishnaiya, b. 1942, Ph.D. (IISc), FNA, FNAE, C/o Sri A.V. Subbanna, No. 11, AG's Office Layout, RMV II Stage, New BEL Road, Bangalore 560 054, email: yv.venkatesh@gmail.com, sp. machine & computer vision; neural networks for pattern recognition; signal processing & remote sensing data analysis; system theory.
- 2003 **Venkateswara Rao**, Gundabathula, b. 1944, Ph.D. (IISc), FNAE, Research Professor, Vardhaman College of Engineering, Shamshabad, Hyderabad 501 218; Res. #502, Reliance Mariam Villa, Street No. 6, Plot No. 70, West Maredpally, Secunderabad 500 026, Tel. Off. (08413) 25 3335, Res. 95020 36831, Mobile: 93913 68231, Fax (08413) 25 3482, email: hydrao1944@yahoo.co.in, sp. finite element method; structural analysis (linear & nonlinear); smart structures; functionally graded materials.
- 2011 **Verma**, Sandeep, b. 1966, Ph.D. (Illinois), FNASc, Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7643, Res. (0512) 259 8786, Mobile: 99350 81810, Fax (0512) 259 7436, email: sverma@iitk.ac.in, sp. bioorganic chemistry; metal nucleobase interactions; peptide-based soft structures.

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Year

- 1992 **Vidyasagar**, Mathukumalli, b. 1947, Ph.D. (Wisconsin), FRS, FNA, FNAE, FTWAS, Cecil & Ida Green Professor of Systems Biology Science; Head, Bioengineering Department, Eric Jonsson School of Engineering and Computer Science, The University of Texas at Dallas, 800, West Campbell Road, EC39, Richardson, Texas 75080-3021, USA, Tel. Off. (+1-972) 883 4679, Mobile: (+1-972) 489 5705, email: m.vidyasagar@utdallas.edu, URL: www.utdallas.edu/~m.vidyasagar, sp. control system theory; statistical learning theory; computational biology.
- 2008 **Vijayamohanan**, Kunjukrishna Pillai, b. 1960, Ph.D. (IISc), Director, Central Electrochemical Research Institute, Karaikudi 630 006, Tel. Off. (04565) 22 7777-8, Mobile: 94422 26929 Fax (04565) 22 7779, email: director.cecric@gmail.com; vijay@cecric.res.in, sp. electrochemistry/physical chemistry; nanotechnology; materials chemistry; electrochemical power sources; functional materials.
- 1983 **Vijayan**, Mamannamana, b. 1941, Ph.D. (IISc), FNA, FNASc, FTWAS, DAE Homi Bhabha Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0765; (080) 2293 2590, Res. (080) 2334 0031, Fax (080) 2360 0535, email: mv@mbu.iisc.ernet.in, URL: mbu.iisc.ernet.in/~mv, sp. X-ray crystal structure analysis; protein & crystallography; molecular biophysics. **Council Service:** 1989-94, 2001-03.
- 1975 **Vijayaraghavan**, Ramanuja, b. 1931, Ph.D. (Bombay), FNA, FNASc, Res. Flat 305, Vigyanik Co-operative Housing Society, Plot 58, Sector 14, Vashi, Navi Mumbai 400 703, Tel. (022) 2766 7554, email: rv@tifr.res.in, sp. solid state physics; magnetic resonance; materials science; superconductive electronics.
- 1997 **VijayRaghavan**, Krishnaswamy, b. 1954, Ph.D. (Bombay), FNA, FNASc, FTWAS, FRS, Officiating Director, inStem; Distinguished Professor & Director, National Centre for Biological Sciences, GKVK Campus, Bangalore 560 065, Tel. Off. (080) 2363 6460; (080) 2366 6300, Res. (080) 2341 8504, Mobile: 99453 22058, Fax (080) 2363 6675, email: vijay@ncbs.res.in; vijay@tifr.res.in, sp. developmental biology; genetics; neurogenetics. **Council Service:** 2007-09.

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Year

- 2007 **Vijayraghavan**, Usha, b. 1961, Ph.D. (Caltech), FNA, Professor, Department of Microbiology and Cell Biology, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2360 0168, Res. (080) 2341 8504, Mobile: 98443 32445, Fax (080) 2360 2697, email: uvr@mcbl.iisc.ernet.in, sp. plant developmental genetics; microbial genetics; gene regulation.
- 2009 **Vinayachandran**, Puthenveetil Narayana Menon, b. 1964, Ph.D. (IISc), Professor, Centre for Atmospheric & Oceanic Sciences, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3065, Res. (080) 2360 1013, Mobile: 98457 40257, Fax (080) 2360 0865, email: vinay@caos.iisc.ernet.in, URL: <http://caos.iisc.ernet.in/faculty/vinay.html>, sp. physical oceanography; ocean modelling; physical-biological interactions in the ocean.
- 1977 **Vishveshwara**, C.V., b. 1938, Ph.D. (Maryland), Vice-Chairman, Bangalore Association for Science Education; Emeritus Director, Jawaharlal Nehru Planetarium, Sri T. Chowdaiah Road, Highgrounds, Bangalore 560 001, Tel. Off. (080) 2226 6084; (080) 2220 3234, Res. (080) 2341 6467, email: saruvishu@gmail.com, sp. general relativity; relativistic astrophysics; cosmology.
- 2002 **Vishveshwara**, Saraswathi, b. 1946, Ph.D. (CUNY), FNASc, CSIR Emeritus Scientist, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2611, Res. (080) 2341 6467, Fax (080) 2360 0535, email: sv@mbu.iisc.ernet.in, sp. computational biology; biomolecular structure & interaction.
- 1987 **Viswanadham**, Nukala, b. 1943, Ph.D. (IISc), FNA, FTWAS, FNAE, INAE Distinguished Professor, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2693, Res. (080) 2351 9864, Mobile: 81976 89868, Fax (080) 2360 2111, email: n.viswanadham@gmail.com, URL: <http://lcm.csa.iisc.ernet.in/nv/>, sp. global service & supply chain networks. **Council Service:** 1992–97; Secretary: 1992–97.
- 2006 **Visweswariah**, Sandhya Srikant, b. 1957, Ph.D. (IISc), FNA, Professor, Department of Molecular Reproduction, Development & Genetics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2542, Res. (080) 4213 4764, Mobile: 99028 18616, Fax (080) 2360 0999, email: sandhya@mrdg.iisc.ernet.in, sp. biochemistry; protein structure & function; signal transduction.

Elected
Year

- 2004 **Vrati**, Sudhanshu, b. 1960, Ph.D. (ANU, Canberra), FNASc, Dean, Translational Health Science and Technology Institute, 496 Udyog Vihar Phase III, Gurgaon 122 016, Tel. Off. (0124) 287 6301, Res. (011) 2670 3677, Mobile: 98110 07944, Fax (0124) 287 6302, email: vrati@thsti.res.in, sp. molecular virology; vaccinology; biotechnology.
- 1995 **Wadhwa**, Shashi, b. 1948, M.S. & Ph.D. (AIIMS), FNASc, FAMS, Professor, Department of Anatomy, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029, Tel. Off. (011) 2659 3216, Res. (011) 2658 8687, Mobile: 99107 69909, Fax (011) 2658 8663, email: shashiwadhwa@hotmail.com; shashiwadhwa@rediffmail.com, sp. human anatomy; neuroanatomy; developmental neurobiology.
- 1983 **Wadia**, Noshir Hormusji, b. 1925, MD (Mumbai), FRCP (London), D.Sc, FAMS, FNA, Res. Ground Floor, Ben Nevis Building, Wardon Road, Adjacent to IOC Petrol Pump, Mumbai 400 026, Tel. (022) 2496 4799, email: wadianh@gmail.com, sp. clinical neurology & neurosciences.
- 1992 **Wadia**, Spenta Rustom, b. 1950, Ph.D. (New York), FNA, FNASc, FTWAS, Department of Theoretical Physics, TIFR, Mumbai; Distinguished Professor & Director, International Centre for Theoretical Sciences, TIFR Centre Building, Indian Institute of Science Campus, Bangalore 560 012, email: wadia@theory.tifr.res.in; spenta.wadia@gmail.com, URL: www.theory.tifr.res.in/~wadia, sp. quantum field theory; string theory; quantum gravity.
- 1000 **Council Service:** 2013–.
- 2008 **Waghmare**, Umesh Vasudeo, b. 1968, Ph.D. (Yale), FNASc, Professor, Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2842, Res. (080) 2362 2774, Mobile: 94482 87711, Fax (080) 2208 2767, email: waghmare@jncasr.ac.in, URL: www.jncasr.ac.in/waghmare, sp. multi-functional oxide materials; nanostructures & their properties; applications of geometric phases in materials science.
- 1981 **Warke**, Chindu Sona, b. 1931, Ph.D. (UC, San Diego), Res. 203, Vigyanshila, Juhu-Versova Link Road, Andheri (West), Mumbai 400 061, Tel. (022) 2631 5616, sp. theoretical nuclear physics.

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Year

- 2002 **Watve**, Milind Gajanan, b. 1957, Ph.D. (IISc), FNA, Professor, Department of Biology, Indian Institute of Science Education and Research, Sai Trinity Building, Garware Circle, Pashan, Pune 411 021, Tel. Off. (020) 2590 8093, Res. (020) 2541 0510, Mobile: 98229 10198, email: milind@iiserpune.ac.in; milind_watve@yahoo.com, URL: <http://www.iiserpune.ac.in/~milind/>, sp. wildlife ecology & animal cognition; evolutionary biology; Darwinian medicine; computational biology; microbial diversity.
- 2010 **Yadav**, Jhillu Singh, b. 1950, Ph.D. (M.S. Univ., Baroda), Bhatnagar Fellow, Indian Institute of Chemical Technology, Tarnaka, Hyderabad 500 607, Tel. Off. (040) 2719 3737, Res. (040) 2719 3456, Mobile: 94408 02800, Fax (040) 2716 0387, email: yadav@iict.res.in, sp. total synthesis of biologically active natural products; agrochemicals & pheromones; development of new methodologies for sustainable chemistry.
- 2012 **Yadav**, Ram Ratan, b. 1956, Ph.D. (Lucknow), FNASc, Scientist, Birbal Sahni Institute of Palaeobotany, 53, University Road, Lucknow 226 007, Tel. Off. (0522) 274 2907, Mobile: 94503 94957, Fax (0522) 274 0098, email: rryadav2000@gmail.com, sp. palaeo-climatology; tree-ring analysis; climate change & biodiversity.
- 2007 **Yadav**, Veejendra Kumar, b. 1956, Ph.D. (Baroda), Professor, Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 7439, Res. (0512) 259 8544, Mobile: 94151 34082, Fax (0512) 259 7436, email: vijendra@iitk.ac.in, URL: <http://home.iitk.ac.in/~vijendra>, sp. synthetic organic chemistry; physical organic chemistry.
- 1985 **Yajnik**, Kirit Surendra, b. 1936, Ph.D. (UC, Berkeley), Honorary Scientist, C-MMACS, Bangalore; Res. F2, Regal Manor, 2/1 Bride Street, Langford Town, Bangalore 560 025, Tel. (080) 2227 6836, Mobile: 93412 32587, Fax (080) 2522 0392, email: ksy@cmmacs.ernet.in; ksyajnik@yahoo.com, sp. modelling, simulation and analysis of marine biogeochemical processes & climate change; fluid mechanics.
- 1996 **Yashonath**, Subramanian, b. 1956, Ph.D. (IISc), Professor, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2568, Res. (080) 2671 0482, Fax (080) 2360 1310, email: yashonath@sscu.iisc.ernet.in; yashonath@gmail.com, URL: <http://sscu.iisc.ernet.in/SYashonath.html>, sp. physical chemistry; computational chemistry; intermolecular forces; diffusion within porous & dense media; ionic conduction in solutions.

Elected
Year

- 1989 **Yathindra**, Narayanarao, b. 1944, Ph.D. (Madras), Director, Institute of Bioinformatics & Applied Biotechnology, Biotech Park, Electronic City, Phase I, Bangalore 560 100, Tel. Off. (080) 2852 8900-03, Res. (080) 6565 7034, Fax (080) 2852 8904, email: yathindra@ibab.ac.in; yathindran@hotmail.com, sp. computational structural biology.
- 2004 **Yegnanarayana**, Bayya, b. 1944, Ph.D. (IISc), FNA, FNAE, FIEEE, Institute Professor, International Institute of Information Technology, Gachibowli, Hyderabad 500 032, Tel. Off. (040) 6653 1271, Res. (040) 2300 4627, Mobile: 94418 86526, Fax (040) 6653 1413, email: yegna@iiit.ac.in, sp. signal processing; speech & vision; artificial neural networks.
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A LIST OF SOME ABBREVIATIONS USED

AEC, Atomic Energy Commission
AIIMS, All India Institute of Medical Sciences
ANU, Australian National University
BHU, Banaras Hindu University
CSIR, Council of Scientific and Industrial Research
DAE, Department of Atomic Energy
FAMS, Fellow of the National Academy of Medical Sciences
FIEEE, Fellow of the Institute of Electrical and Electronics Engineers
FNA, Fellow of the Indian National Science Academy
FNAAS, Fellow of the National Academy of Agricultural Sciences
FNAE, Fellow of the Indian National Academy of Engineering
FNASc, Fellow of the National Academy of Sciences
FRS, Fellow of the Royal Society
FTWAS, Fellow of the Third World Academy of Sciences
IISc, Indian Institute of Science
IIT, Indian Institute of Technology
INSA, Indian National Science Academy
ISI, Indian Statistical Institute
ISRO, Indian Space Research Organization
JNCASR, Jawaharlal Nehru Centre for Advanced Scientific Research
JNU, Jawaharlal Nehru University
MIT, Massachusetts Institute of Technology
MKU, Madurai Kamaraj University
NASI, National Academy of Sciences, India
PRL, Physical Research Laboratory
RRI, Raman Research Institute
TIFR, Tata Institute of Fundamental Research
UAS, University of Agricultural Sciences
UGC, University Grants Commission

HONORARY FELLOWS

- | Elected
Year | |
|-----------------|---|
| 1997 | Anderson , Philip Warren, b. 1923, Nobel Laureate, Department of Physics, Joseph Henry Laboratories, Jadwin Hall, Princeton University, Princeton, New Jersey 08544-0708, USA, Tel. Off. (+1-609) 258 5850, Res. (+1-609) 466 1497, Fax (+1-609) 258 1006, email: pwa@princeton.edu. |
| 1996 | Ashtekar , Abhay, b. 1949, Director, Institute for Gravitation & the Cosmos, Holder, Eberly Chair in Physics & President, International Society for General Relativity & Gravitation, 104 Davey Lab, Pennsylvania State University, University Park, Pennsylvania 16802-6300, USA, Tel. Off. (+1-814) 863 9605, Res. (+1-814) 867 8406, Fax (+1-814) 863 9608, email: ashtekar@gravity.psu.edu, URL: http://cgpg.gravity.psu.edu/people/Ashtekar/ . |
| 1988 | Askey , Richard Allen, b. 1933, Professor Emeritus, Mathematics Department, University of Wisconsin-Madison, Van Vleck Hall, 480 Lincoln Drive, Madison, Wisconsin 53706, USA, Tel. Res. (+1-608) 233 7900, Fax (+1-608) 263 8891, email: askey@math.wisc.edu, URL: www.math.wisc.edu/~askey . |
| 2009 | Bai , Chunli, b. 1953, President, The Academy of Science for the Developing World; President, Chinese Academy of Sciences, 52, Sanlihe Road, Beijing 100864, China, Tel. Off. (+86-10) 6859 7606, Fax (+86-10) 6852 6316, email: clbai@cas.cn. |
| 1990 | Berry , Sir Michael Victor, b. 1941, FRS, Melville Wills Professor of Physics (Emeritus), H H Wills Physics Laboratory, University of Bristol, Royal Fort, Tyndall Avenue, Bristol BS8 1TL, UK, Tel. Off. (+44-117) 928 8778, Res. (+44-117) 973 2240, Fax (+44-117) 925 5624, URL: www.phy.bris.ac.uk/people/berry_mv/index.html . |
| 1978 | Bloembergen , Nicolaas, b. 1920, Nobel Laureate, Optical Sciences Center, University of Arizona, 1630 E. University Blvd, Tucson, AZ 85721, USA, Tel. Res. (+1-520) 647 3772, email: nbloembergen@optics.arizona.edu. |
| 1992 | Bonner , John Tyler, b. 1920, Department of Ecology & Evolutionary Biology, Princeton University, Princeton, New Jersey 08544-1003, USA, Tel. Off. (+1-609) 258 3841, Res. (+1-609) 924 1255, Fax (+1-609) 258 7892, email: jtbonner@princeton.edu. |

Elected
Year

- 1989 **Brenner**, Sydney, b. 1927, FRS, Nobel Laureate, Distinguished Professor, The Salk Institute, 10010 North Torrey Pines Road, La Jolla, California 92037, USA, Tel. Off. (+1-858) 453 4100, Res. (+1-858) 551 8802, email: sbrenner@salk.edu.
- 2006 **Chakraborty**, Ranajit, b. 1946, Director, Center for Computational Genomics, Institute of Applied Genetics, and Professor, Department of Forensic and Investigative Genetics, University of North Texas, Health Science Center, 3500 Camp Bowie Blvd., Room-CBH249, Fort Worth, Texas 76107, USA, Tel. Off. (+1-817) 735 2421, Fax (+1-817) 735 2424, email: ranajit.chakraborty@unthsc.edu.
- 2008 **Chakravarti**, Aravinda, b. 1954, Director, Centre for Complex Disease Genomics, McKusick-Nathans Institute of Genetic Medicine, Johns Hopkins University School of Medicine, Miller Research Building No. 579, 733 N. Broadway, Baltimore, MD 21205, USA, Tel. Off. (+1-410) 502 7525, Fax (+1-410) 502 7544, email: aravinda@jhmi.edu.
- 10 2001 **Cheetham**, Anthony Kevin, b. 1946, FRS, Department of Materials Science and Metallurgy, University of Cambridge, Cambridge CB2 3QZ, UK Tel. Off. (+44-1223) 74 6733, Fax (+44-1223) 33 4567, email: akc30@cam.ac.uk.
- 1999 **Cohen-Tannoudji**, Claude Nessim, b. 1933, Nobel Laureate, Honorary Professor, Laboratoire Kastler Brossel, Ecole Normale Supérieure, Collège de France, 24, rue Lhomond, 75231 Paris Cedex 05, France, Tel. Off. (+33-1) 4707 7783, Res. (+33-1) 4535 0218, Fax (+33-1) 4432 3494, email: claudc.cohen.tannoudji@lkb.ens.fr; claudect@gmail.com.
- 1995 **Day**, Peter, b. 1938, FRS, Emeritus Fullerian Professor of Chemistry, The Royal Institution of Great Britain; Emeritus Professor, Department of Chemistry, University College London, 20 Gordon St., London WC1H 0AJ, UK, Tel. Res. (+44-186) 524 9506, email: pday@ri.ac.uk, URL: http://www.ucl.ac.uk/chemistry/staff/emeritus/peter_day.
- 2003 **Dodson**, George Guy, b. 1937, FRS, Chemistry Department, University of York, YSBL, York YO10 5VW, UK, Tel. Off. (+44-1904) 32 8259; (+44-1904) 32 8264, Res. (+44-1904) 42 4449, Fax (+44-1904) 32 8266, email: gdodson@nimr.mrc.ac.uk; ggd@ysbl.york.ac.uk.

Elected
Year

- 2001 **Fisher**, Michael Ellis, b. 1931, FRS, FRSE (Hon.), Distinguished University Professor and Regents Professor Emeritus, Institute for Physical Science and Technology, University of Maryland, College Park, MD 20742-8510, USA, Tel. Off. (+1-301) 405 4819, Res. (+1-301) 847 3259, Fax (+1-301) 314 9404, email: xpectnil@umd.edu, URL: <http://ipst.umd.edu/Faculty/fisher/htm>.
- 2011 **Friend**, Richard Henry, b. 1953, FRS, F.R. Eng., Cavendish Laboratory, JJ Thomson Avenue, Cambridge CB3 0HE, UK, Tel. Off. (+44-1223) 33 7218, email: rhf10@cam.ac.uk.
- 1980 **Goodenough**, John Bannister, b. 1922, Virginia H. Cockrell Centennial Professor of Engineering, Department of Mechanical Engineering and Materials Science, University of Texas at Austin, ETC 9.184, 204E. Dean Keeton St. Stop C2200, Austin, Texas 78712, USA, Tel. Off. (+1-512) 471 1646, Res. (+1-512) 346 8531, Fax (+1-512) 471 7681, email: jgoodenough@mail.utexas.edu.
- 2004 **Griffiths**, Phillip Augustus, b. 1938, Professor Emeritus of Mathematics & Chair of the Science Initiative Group, Institute for Advanced Study, Einstein Drive, Princeton, NJ 08540, USA, Tel. Off. (+1-609) 734 8041, Res. (+1-609) 397 9449, Fax (+1-609) 951 4430, (+1-609) 397 2392, email: pg@ias.edu.
- 2007 **Gross**, David Jonathan, b. 1941, Nobel Laureate, Frederick W. Gluck Professor of Theoretical Physics, Kavli Institute for Theoretical Physics, Kohn Hall, University of California, Santa Barbara, CA 93106-4030, Tel. Off. (+1-805) 893 7337, Res. (+1-805) 963 8324, Fax (+1-805) 893 2431, email: gross@kitp.ucsb.edu, URL: <http://www.kitp.ucsb.edu/>.
- 1987 **Hagenmuller**, Paul, b. 1921, Professor, Honorary Director, ICMCB-CNRS, Bordeaux University, 87 Avenue Dr Albert Schweitzer, 33608 Pessac Cedex, France, Tel. Off. (+33-5) 4000 6325, Fax (+33-5) 4000 6324, email: hagen@icmcb.u-bordeaux.fr.
- 2011 **Hartl**, Daniel L, b. 1943, Higgins Professor of Biology, Department of Organismic and Evolutionary Biology, Harvard University, The Biological Laboratories, 16, Divinity Avenue, Cambridge, Massachusetts 02138, USA, Tel. Off. (+1-617) 496 3917, email: dhartl@oeb.harvard.edu.

Elected
Year

- 2007 **Imry**, Yoseph, b. 1939, Professor, Department of Condensed Matter Physics, The Weizmann Institute of Science, Rehovot 76100, Israel, Tel. Off. (+972-8) 934 4064, Res. (+972-3) 524 6576, Fax (+972-8) 934 4477, email: yoseph.imry@weizmann.ac.il.
- 2008 **Jansen**, Martin, b. 1944, Director, Max-Planck-Institut fuer Festkoerperforschung, Heisenbergstr 1, D 70569, Stuttgart, Germany, Tel. Off. (+49-711) 689 1500, Fax (+49-711) 689 1502, email: m.jansen@fkf.mpg.de.
- 2013 **Kailath**, Thomas, b. 1935, Hitachi America Professor of Engineering, Emeritus, Information Systems Laboratory, Department of Electrical Engineering, Stanford University, 350 Serra Mall, Packard Building 276, Stanford, CA 94305 9510, USA, Tel. Off. (+1-650) 725 0434, Fax (+1-650) 723 8473, email: kailath@stanford.edu; profkailath@yahoo.com, URL: <http://www.stanford.edu/~tkailath/>
- 2012 **Khosla**, Pradeep K, Chancellor, University of California, San Diego, 9500 Gilman Drive #0005, La Jolla, California 92093, USA, Tel. Off. (+1-858) 534 3135, Mobile. (+1-412) 708 4831, Fax (+1-858) 534 6523, email: pkhosla57@me.com; pkhosla@ucsd.edu, URL: <http://chancellor.ucsd.edu/>
- 1998 **King**, Sir David Anthony, b. 1939, FRS, Director, Cambridge Caspakas, The Smith School of Enterprise & the Environment, Hayes House, 75, George Street, Oxford OX1 2BQ, UK, Tel. Off. (+44-01865) 61 4964, Fax (+44-01865) 61 4960, email: dk@camkas.co.uk.
- 2006 **Klein**, Michael Lawrence, b. 1940, FRS, Director, Institute for Computational Molecular Science, Temple University, College of Science & Technology, Bio-Life Building 113, 1900 North 12th Street, Philadelphia, PA 19122, USA, Tel. Off. (+1-215) 204 1927, Fax (+1-215) 204 2257, email: mklein@temple.edu.
- 2012 **Kulkarni**, Shrinivas Ramchandra, b. 1956, FRS, Director, Caltech Optical Observatories, California Institute of Technology, Pasadena, CA 91125, USA, Tel. Off. (+1-626) 395 3734; (+1-626) 395 4010, Fax (+1-626) 568 9352, email: srk@astro.caltech.edu, URL: <http://www.astro.caltech.edu/~srk>.
- 1991 **Lehn**, Jean-Marie Pierre, b. 1939, Nobel Laureate (Chemistry), ISIS, CNRS UMR 7006, Université de Strasbourg, 8 allée Gaspard Monge, 67000 Strasbourg, France, Tel. Off. (+33-368) 85 5145, Fax (+33-368) 85 5140, email: lehn@unistra.fr.

- Elected
Year
- 2004 **Livage**, Jacques, b. 1938, Chimie de la Matière Condensée, College de France, 11 Place Marcelin Berthelot, 75231 Paris, France, Tel. Off. (+33-1) 4427 1500, Res. (+33-1) 4222 9065, Fax (+33-1) 447 1504, email: jacques.livage@upmc.fr.
- 1991 **Markl**, Hubert Simon, b. 1938, Professor, Department of Biology, University of Konstanz, Postfach M 612, D-78457 Konstanz, Germany, Tel. Off. (+49-7531) 88 2227, Res. (+49-7531) 88 2725, Fax (+49-7531) 88 4345, email: hubert.markl@uni-konstanz.de.
- 2011 **Marks**, Tobin Jay, b. 1944, Professor of Materials Science and Engineering, Department of Chemistry, Northwestern University, 2145, Sheridan Road, Evanston, IL 60208, USA, Tel. Off. (+1-847) 491 5658, email: t-marks@northwestern.edu
- 1994 **Nagakura**, Saburo, b. 1920, The Japan Academy, 7-32, Ueno Park, Taito-ku, Tokyo 110-0007, Japan, Tel. (+81-3) 3822 2101, Fax (+81-3) 3822 2105.
- 2007 **Nicolaou**, Kyriacos Costa, b. 1946, Aline W. and L. S. Skaggs Professor of Chemical Biology, Department of Chemistry, The Scripps Research Institute, La Jolla, CA 92037, USA; Distinguished Professor, Department of Chemistry & Biochemistry, University of California, San Diego, La Jolla, CA 92093-0548, USA, Tel. Off. (+1-858) 784 2400, Fax (+1-858) 784 2469, email: kcn@scripps.edu.
- 2013 **Nocera**, Daniel George, b. 1957, Professor, Department of Chemistry, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139-4307, USA, Tel. Off. (+1-617) 253 5537, Fax (+1-617) 253 7670, email: nocera@mit.edu, URL: <http://mitei.mit.edu/research/energy-faculty/daniel-g-nocera>.
- 1998 **O’Nions**, Sir (Robert) Keith, b. 1944, FRS, President and Rector, Imperial College, London SW7 2AZ, UK, Tel. Off. (+44-020) 7594 5001, email: rector@imperial.ac.uk.
- 1996 **Palis, Jacob**, b. 1940, National Institut for Pure and Applied Mathematics-IMPA, Estrada Dona Castorina, 110-Jardim Botânico, 22460-320, Rio de Janeiro, Brazil, Tel. Off. (+55-21) 2529 5136, Res. (+55-21) 2512 2632, Fax (+55-21) 2529 5019, email: jpalis@impa.br.

Elected
Year

- 2012 **Parkin**, Stuart Stephen Papworth, b. 1955, IBM Fellow and Manager, Magneto – Electronics Group, IBM Almaden Research Center, 650 Harry Road, San Jose, CA 95120-6099, USA, Tel. Off. (+1-408) 927 2390, email: stuart.parkin@us.ibm.com.
- 1995 **Patel**, Chandra Kumar Naranbhai, b. 1938, Professor of Physics & Astronomy, UCLA, and President & CEO, Pranalytica, Inc., 1101, Colorado Avenue, Santa Monica, CA 90401, USA, Tel. Off. (+1-310) 458 0808, Res. (+1-310) 471 6505, Fax (+1-310) 458 0171, email: patel@pranalytica.com.
- 1992 **Ratajczak**, Henryk, b. 1932, Vice President, Faculty of Chemistry, University of Wroclaw, 14, Joliot-Curie Street, 50-883 Wroclaw, Poland, Tel. Off. (+48-71) 375 7318, Res. (+48-71) 351 9899, Fax (+48-71) 328 2348, email: hr@wchuwr.chem.uni.wroc.pl.
- 40
- 1993 **Raveau**, Bernard, b. 1940, Professor, University of Caen, ENSICAEN, 6 Boulevard Maréchal Juin, 14050 Caen Cedex 4, France, Tel. Off. (+33-2) 3145 2616, Res. (+33-2) 3144 3040, Fax (+33-2) 3145 1302, email: bernard.raveau@ensicaen.fr.
- 1991 **Rees**, Lord Martin (John), b. 1942, OM, Kt, FRS, Professor of Cosmology & Astrophysics, Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge CB3 0HA, UK, Tel. Off. (+44-01223) 33 7548, Res. (+44-01223) 36 9043, Fax (+44-1223) 33 8500, email: mjr@ast.cam.ac.uk.
- 1997 **Roesky**, Herbert Walter, b. 1935, Director a.D., Institut fuer Anorganische Chemie der Universitaet Goettingen, Tammannstrasse 4, D-37077 Goettingen, Germany, Tel. Off. (+49-551) 39 3001, Res. (+49-551) 76183, Fax (+49-551) 39 3373, email: hroesky@gwdg.de, URL: www.roesky.chemie.uni-goettingen.de.
- 1994 **Roshko**, Anatol, b. 1923, Theodore von Karman Professor of Aeronautics (Emeritus), Graduate Aeronautical Laboratories, California Institute of Technology, Pasadena, CA 91125, USA, Tel. Off. (+1-626) 395 4484, Res. (+1-626) 797 7185, email: roshko@caltech.edu.
- 2003 **Sreenivasan**, Katepalli R, b. 1947, Senior Vice Provost & Acting President, New York University, 1225 Bobst Library, 70 Washington Square South, New York, NY 10021, USA, Tel. Off. (+1-212) 992 7914, Fax (+1-212) 995 4300, email: krs3@nyu.edu.

Elected Year	
2005	Suresh , Subra, b. 1956, Director, National Science Foundation, 4201, Wilson Boulevard, Suite 1205, Arlington, VA 22230, USA, Tel. Off. (+1-703) 292 8000, Fax (+1-703) 292 9232, email: ssuresh@nsf.gov.
2000	Sutherland , Bill, Department of Physics, University of Utah, 115 S 1400 E Rm 201, Salt Lake City, Utah 8412-0830, USA, Tel. Res. (+1-206) 463 4417, Fax (+1-801) 581 4801, email: suther@physics.utah.edu; vsuther@comcast.net.
1981	Thomas , Sir John Meurig, b. 1932, FRS, F.R. Eng. (Hon.), FRSE (Hon.), Honorary Professor, Department of Materials Science & Metallurgy, University of Cambridge, Pembroke Street, Cambridge CB2 3QZ, UK, Tel. Off. (+44-1223) 33 4300, Fax (+44-1223) 52 1276; email: jmt2@cam.ac.uk.
2001	van den Heuvel , Edward Peter Jacobus, b. 1940, Professor of Astrophysics, Astronomical Institute Anton Pannekoek, Faculty of Science, University of Amsterdam, P.O. Box 94249, NL-1090GE Amsterdam, The Netherlands, Tel. Off. (+31-20) 525 7491, Res. (+31-35) 542 9568, Fax (+31-20) 525 7484, email: E.P.J.vandenHeuvel@uva.nl; edvdh@science.uva.nl.
2004	Varadhan , Sathamangalam Ranga Iyengar Srinivasa, b. 1940, Professor, Department of Mathematics, Courant Institute, New York University, 251, Mercer Street, New York, NY 10012, USA, Tel. Off. (+1-212) 998 3334, Res. (+1-212) 982 9883, Fax (+1-212) 995 4121, email: varadhan@cims.nyu.edu, URL: http://www.math.nyu.edu/faculty/varadhan/ .
50	
2009	Zare , Richard Neil, b. 1939, Marguerite Blake Wilbur Professor in Natural Science, Department of Chemistry, Stanford University, Stanford, CA 94305-5080, USA, Tel. Off. (+1-650) 723 3062, Fax (+1-650) 725 0259, email: zare@stanford.edu.
2002	Zewail , Ahmed Hassan, b. 1946, Nobel Laureate (Chemistry), Linus Pauling Professor of Chemistry & Professor of Physics, and Director, Physical Biology Center, Arthur Amos Noyes Laboratory of Chemical Physics, California Institute of Technology, 1200 East California Boulevard, Pasadena, CA 91125, USA, Tel. Off. (+1-626) 395 6536, Fax (+1-626) 792 8456, email: zewail@caltech.edu.
52	

**FELLOWS AND HONORARY FELLOWS
ELECTED IN 2012
(effective January 2013)**

FELLOWS

- | | |
|---------------------------|---------------------------|
| 1. Ali, Nahid | 14. Mukhopadhyay, Sangita |
| 2. Bandyopadhyay, Uday | 15. Nayak, T. K. |
| 3. Baskaran, S. | 16. Pati, Arun K. |
| 4. Chattopadhyay, Debasis | 17. Rao, B. Jagadeeshwar |
| 5. Dighe, Amol | 18. Rao, N. V. Chalapathi |
| 6. Ghosh, Hirendra Nath | 19. Sastry, G. Narahari |
| 7. Gopal, B. | 20. Shenoy, V. B. |
| 8. Gopalakrishnan, S. | 21. Singh, Bhim |
| 9. Iyer, Jaya N. | 22. Souradeep, Tarun |
| 10. Jagirdar, B. R. | 23. Sundar Rajan, B. |
| 11. Mahapatra, Susanta | 24. Swaminathan, Soumya |
| 12. Maiti, Souvik | 25. Tyagi, Avesh K. |
| 13. Mitra, Debashis | |

HONORARY FELLOWS

1. Daniel G. Nocera
2. Thomas Kailath

SUBJECT-WISE LIST OF FELLOWS

ANIMAL SCIENCES

Total Fellows: 51

Name	Specialisation
Ali, Nahid	Immunology, Parasitology
Ali, Sher	Molecular Genetics of Humans & Animals, Gene Expression & Genome Organisation and Genomics of Endangered Species
Ananthakrishnan, T. N.	Entomology, Cecidology and Chemical Ecology
Bhatnagar, Rakesh	Vaccine Development, Genetic Engineering, Molecular Biology
Bhattacharya, Samir	Reproductive Biology, Comparative Endocrinology and Molecular Signalling
Borges, Renee M.	Evolutionary Biology & Behavioural Ecology, Plant-Animal Interactions, Chemical Ecology, Sensory Biology, Visual Ecology, Multimodal signalling
Chandola-Saklani, Asha	Ornithology, Conservation Biology and Endocrinology
Dighe, R. R.	Molecular Endocrinology, Reproductive Biology, Biochemistry
Dutta Gupta, Aparna	Insect Physiology & Biochemistry, Invertebrate Endocrinology & Physiology, Comparative Physiology & Endocrinology
Gadagkar, R.	Animal Behaviour, Ecology and Evolution
Gadgil, M. D.	Ecology, Ecological History, Environmental Management and Traditional Knowledge Systems
Gore, A. P.	Non-parametric Inference and Statistical Ecology
Hasan, Gaiti	Molecular Genetics, Drosophila, Calcium Signalling in Neurons, Inositol Triphosphate Receptor
Jairajpuri, M. S.	Plant Protection, Nematology, Biological Control, Parasitology and Biological Diversity
Joshi, Amitabh	Population & Quantitative Genetics, Evolutionary Genetics and Population Ecology
Joshi, N. V.	Mathematical Modelling in Biology mainly in Ecology & Evolution
Karanth, Ullas Kota	Carnivore Ecology, Animal Population Analysis and Conservation Biology
Lakhotia, S. C.	Cytogenetics, Gene Expression, Stress Biology & Molecular Biology, Conservation Policy
Madhubala, R.	Molecular Parasitology
Majumder, H. K.	Biochemistry, Molecular Biology and Parasitology
Majumder, P. P.	Biostatistics, Human Genetics and Population Genetics
Malhotra, K. C.	Population Genetics and Human Ecology
Mallick, B. N.	Neurobiology, Physiology, Sleep-Wakefulness
Marimuthu, G.	Animal Behaviour and Chronobiology
Mishra, Rakesh K.	Genomics, Chromatin, Epigenetics
Mohanty-Hejmadi, P.	Developmental Biology and Herpetology
Muralidhar, K.	Biochemistry, Endocrinology and Reproductive Biology

Muthukkaruppan, V.	Immunology, Angiogenesis in Ocular Diseases and Ocular Stem Cells
Nanjundiah, V.	Developmental Biology, Theoretical Biology and Evolution
Narain, Prem	Statistical Genetics and Genomics
Narendran, T. C.	Systematic Entomology
Niazi, I A.	Developmental Biology of Animals and Regeneration
Pandian, T. J.	Genetics and Energetics: Aquaculture
Parnaik, Veena K.	Cell Biology, Molecular Biology, Lamins and Nuclear Organisation
Qasim, S. Z.	Oceanography
Raman, Rajiva	Human Molecular Genetics & Cytogenetics, Gene Expression & Chromatin Organization in Development and Sex Determination
Ranganath, H. A.	Genetics and Evolution
Saidapur, S. K.	Biology of Reproduction, Comparative Endocrinology, Herpetology and Animal Behaviour
Shanbhag, B. A.	Comparative Endocrinology & Reproduction (Vertebrates), Herpetology and Animal Behaviour
Sharma, R. P.	Developmental Genetics, Mutagenesis, Molecular Biology and Biotechnology
Sharma, Vijay Kumar	Chronobiology, Evolution, Animal Behaviour
Shashidhara, L. S.	Developmental Biology, Evolution and Genetics
Shivaji, S.	Reproductive Biology, Conservation Biology, Mammalian Sperm Function, Bacterial Biodiversity of Cold Habitats, Cold Adaptation
Singh, Mewa	Animal Behaviour, Wild Life Ecology and Sociobiology
Sinha, Somdatta	Theoretical Biology, Complex Systems in Biology and Nonlinear Dynamics, and Computational Biology
Subba Rao, B. R.	Entomology and Taxonomy of Chalcidoidea
Sukumar, R.	Wild Life Ecology, Forest Ecology and Climate Change
Susheela, A. K.	Histocytochemistry, Toxicology: Fluoride and Fluorosis Mitigation
Tahseen, Qudsia	Nematology, Taxonomy & Functional Biodiversity of Soil and Freshwater Nematodes
Thelma, B. K.	Human Genetics, Pharmacogenetics and Medical Genomics
Watve, Milind G.	Wildlife Ecology & Animal Cognition, Evolutionary Biology, Computational Biology, Darwinian Medicine, Microbial Diversity

CHEMISTRY

Total Fellows: 174

Name	Specialisation
Ahluwalia, J. C.	Thermodynamics of Biopolymers & Surfactants in Solutions and Solute-Solvent Interactions
Ajayaghosh, A.	Organic Functional Materials, Molecular Self-Assembly, Molecular Organogels and Pi-Conjugated Systems
Anand, Nitya	Organic Chemistry and Medicinal Chemistry
Anil Kumar	NMR Spectroscopy, NMR Techniques & its Applications to Biomolecules, Quantum Computing

Anil Kumar	Chemical Thermodynamics, Physical Organic Chemistry and Biophysical Chemistry
Arunan, E.	Molecular & van der Waals Spectroscopy, Chemical Kinetics & Dynamics, Shock Wave Interactions, Ignition delay, Measurements of Fuel, Hydrogen Bonding and other Molecular Interactions
Bagchi, Biman	Physical & Biophysical Chemistry, Statistical Mechanics of Liquids, Molecular Relaxation and Chemical Reaction Dynamics in Liquids & Biological Systems
Balasubramanian, K. K.	Molecular Rearrangements, Carbohydrate Chemistry, Organic Electrophotocchemistry, Synthetic Organic Chemistry and Heterocyclic Chemistry
Balasubramanian, S.	Molecular Simulations, Liquid State, Computational Chemistry
Basak, Amit	DNA Interacting Agents, Asymmetric Synthesis and Enzymology, Biradical Chemistry
Basavaiah, Deevi	Organic Chemistry: Baylis-Hillman Chemistry and Chiral Catalysis
Baskaran, S.	Synthetic Organic Chemistry, Natural Products, Enantioselective Synthesis
Bhaduri, Sumit	Inorganic Chemistry, Organometallic Chemistry and Catalysis
Bhakuni, Dewan Singh	Natural Products, Bio-organic, Biosynthesis, Nucleoside and Medicinal Chemistry
Bharadwaj, P. K.	Supramolecular Chemistry, Inorganic Chemistry and X-ray Crystallography
Bhatt, M. V.	Physical Organic, Organometallic and Synthetic Organic Chemistry
Bhattacharya, Samaresh	Inorganic Chemistry, Co-ordination Chemistry and Organometallic Chemistry
Bhattacharya, Santanu	Chemical Biology, Molecular Design & Chemistry of Materials and Nanomaterials
Bhattacharyya, Kankan	Ultrafast Laser Spectroscopy, Organized Assemblies, Confocal Microscopy and FCS
Bhattacharyya, S. P.	Quantum Chemistry
Bhattacharyya, S. C.	Organic Chemistry
Chakraborty, T. K.	Peptides & Peptidomimetics, Organic Synthesis
Chakravarty, A. Ranjan	Bioinorganic Chemistry, Co-ordination Chemistry and Metal-based Anti-Cancer Agents
Chakravarty, Charusita	Chemical Physics, Theoretical & Computational Chemistry
Chakravorty, Animesh	Inorganic Chemistry
Chandra, Amalendu	Statistical Mechanics of Liquids & Interfaces, Classical & Quantum Simulations and Molecular Modelling
Chandrakumar, N.	Magnetic Resonance Imaging, MR Spectroscopy & Instrumentation and Spin Physics
Chandrasekaran, S.	Synthetic Organic Chemistry, Natural Products and Organometallic Chemistry
Chandrasekhar, J.	Computational Chemistry, Theoretical Organic Chemistry
Chandrasekhar, S.	Natural Product Synthesis, Green Chemistry, Combinatorial Chemistry

Chandrasekhar, V.	Inorganic Chemistry, Organometallic Chemistry, Inorganic Rings & Polymers and Many-Group Chemistry
Chandrashekar, T. K.	Bio-inorganic Chemistry, Synthetic Inorganic Chemistry and Catalysis
Chattaraj, Pratim Kumar	Density Functional Theory, Nonlinear Dynamics and Chemical Reactivity, Aromaticity in Metal Clusters, Hydrogen Storage
Chattopadhyay, Nitin	Photophysics & Photochemistry, Time-resolved Spectroscopy, Biophysical Chemistry, Surface Chemistry, Fluorosensing, Photoacoustic Spectroscopy
Chaudhuri, Arabinda	Organized Surfactant Assemblies, Bio-organic Chemistry and Liposomal Gene/Drug Delivery Systems
Chaudhuri, Mihir Kanti	Inorganic Chemistry: Synthesis, Structure & Reactivity, Newer Reagents and Methodologies and Green Chemical Technology
Choudary, B. M.	Homogeneous & Heterogeneous Catalysis, Organic Synthesis via Organometallics, Nanotechnology and Nanomedicine
Chowdhury, Mihir	Spectroscopy
Das, Amitava	Supramolecular Chemistry & Assembly, Molecular Recognition, Interfacial Electron Transfer
Das, Puspendu Kumar	Physical Chemistry, Laser Spectroscopy & Dynamics and Nonlinear Optics
Das, Samar Kumar	Co-ordination Chemistry, Metal-Oxide based Cluster Chemistry, Inorganic Supramolecular Chemistry
Das, Suresh	Photochemistry, Photoresponsive Materials, Liquid Crystals, Photosensitizing Dyes, Photoluminescent Materials and Photo-induced Electron Transfer
Dash, A. C.	Physical Inorganic Chemistry
Deb, B. M.	Theoretical Chemistry and Chemical Physics
Desiraju, G. R.	Structural Chemistry, Crystal Engineering, X-ray Crystallography
Dhavale, D. D.	Natural Products Chemistry, Carbohydrate Chemistry, Photochemistry, Reaction Mechanism, Medicinal Chemistry
Durga Prasad, M.	Theoretical Chemistry
Gadre, S. R.	Quantum Chemistry and Computer Applications
Ganguli, A. K.	Microemulsions, Nanostructured Materials & Devices, Photo & Electro Catalysis, Complex Metal Oxides, Superconducting Materials
George, M. V.	Organic Photochemistry and Laser Chemistry
George Thomas, K.	Photochemistry & Photophysics, Nanostructured Materials and Photoresponsive Materials
Gharda, K. H.	Process Design of Organic Chemical Plants
Ghosh, H. N.	Radiation & Photochemistry, Quantum Dot & Nanomaterials, Ultrafast Spectroscopy in Condense Phase
Ghosh, P. K.	Redox Processes, Colloid & Emulsion Science Process Research
Ghosh, Subrata	Cycloaddition Reactions and Total Synthesis of Natural Products
Ghosh, Swapan Kumar	Theoretical Chemistry, Computational Materials Science and Soft Condensed Matter Physics

Gopalakrishnan, J.	Solid State Chemistry, Synthesis & Structure and Chemistry of Oxide Materials
Gopidas, K. R.	Photochemistry, Photo-induced Electron Transfer, Supramolecular Chemistry
Gopinath, C. S.	Surface Science, Heterogeneous Catalysis, Spectroscopy
Gopinathan, M. S.	Quantum Chemistry and Nonlinear Dynamics in Chemistry & Biology
Goswami, Sreebrata	Inorganic Chemistry, Chemical Reactions with Metal Mediation and Functional Materials
Govil, G.	Molecular Biophysics
Gurjar, M. K.	Organic Chemistry, Carbohydrate Chemistry and Synthetic Organic Chemistry
Guru Row, T. N.	Chemical Crystallography, Intermolecular Interactions and Polymorphism & Drug Design
Harjit Singh	Organic Synthesis and Heterocycles
Hegde, M. S.	Electron Spectroscopy of Molecules & Solids, High Temperature Superconductivity, Thin Films, Solid State Chemistry, Exhaust Catalysis, Nanomaterials
Hosur, R. V.	Structural Biology, NMR Spectroscopy and Protein Folding
Ila, H.	Synthetic Organic Chemistry, Heterocyclic Chemistry, Medicinal Chemistry
Iqbal, Javed	Medicinal Chemistry, Drug Design & Discovery, Organometallic Chemistry and Catalysis
Jagirdar, B. R.	Organometallic Chemistry, Materials Chemistry, Catalysis
Jain, D. V. S.	Physical Chemistry and Theoretical Chemistry
Jayaraman, N.	Carbohydrate Chemistry, Dendrimer Chemistry, Synthetic Organic Chemistry
Jemmis, E. D.	Theoretical & Computational Chemistry
Joshi, B. S.	Chemistry of Natural Products, Ethnobotany, Ayurvedic Medicines
Junjappa, H.	Synthetic & Mechanistic Organic Chemistry
Kartha, V. B.	Atomic, Molecular & Laser Spectroscopy, Synchrotron Spectroscopy and Applications of Lasers in Medicine & Biochemistry
Kasturi, T. R.	Synthetic, Structural & Mechanistic Organic Chemistry and Spectroscopy
Kessar, S. V.	Synthetic & Mechanistic Organic Chemistry
Khan, Faiz Ahmed	Synthetic Organic Chemistry, Natural Products, Synthetic Methodologies
Kotha, S. R.	New Synthetic Methods, Unnatural Amino Acids, Transition Metals in Organic Synthesis
Krishnamurthy, S. S.	Main Group Chemistry and Organometallic Chemistry
Krishnan, V.	Inorganic Chemistry and Bio-inorganic Chemistry
Kumara Swamy, K. C.	Chemistry of Main Group Elements and Organophosphorus Chemistry
Lahiri, G. K.	Inorganic Chemistry, Organometallic Chemistry and Catalysis
Madyastha, K. M.	Bio-organic Chemistry, Xenobiotics Metabolism, Plant Biochemistry and Microbial Transformations
Mahapatra, Susanta	Theoretical Chemical Dynamics

Maiti, Souvik	Biophysical Chemistry, Chemical Biology
Maitra, Uday	Supramolecular Chemistry of Bile Acids, Synthesis & Properties of Bile Acid Analogs and Organo & Hydrogels
Mandal, A. B.	Physical & Biophysical Chemistry, Organised Self-Assemblies, Nanomaterials, Ionic Liquids, Environmental S&T, Electrochemistry & Thermodynamics
Manoharan, P. T.	Physical Inorganic & Bioinorganic Chemistry, Spectroscopy and Nanoscience
Mathews, C. K.	High Temperature Chemistry, Solid State Ionics & Sensors, Materials Characterization and Instrumentation
Mathur, Pradeep	Organometallics and Cluster Chemistry
Mehta, G.	Synthetic Organic Chemistry and Natural Products Chemistry
Mishra, M. K.	Electronic Structure Theory, Photoelectrochemistry and Photo/Collisional Dynamics
Mitra, Samaresh	Biological Chemistry and Inorganic Biochemistry
Mittal, J. P.	Radiation Chemistry & Radiation Biology, Photochemistry & Photobiology, Laser Chemistry and Chemical Dynamics
Moorthy, J. N.	Organic Photochemistry, Supramolecular Chemistry, Organic Synthesis
Mugesh, G.	Bioinorganic Chemistry, Chemical Biology, Medicinal Chemistry
Mukherjee, D.	Theoretical Chemistry and Theoretical Spectroscopy
Mukherjee, R. N.	Inorganic Chemistry and Bioinorganic Chemistry
Murugavel, R.	Inorganic & Organometallic Chemistry
Nag, K.	Inorganic Chemistry
Nagarajan, K.	Natural Product, Medicinal, Pesticide & Synthetic Heterocyclic Chemistry, Applications of NMR to Structure & Reactivity
Nair, G. V.	Synthetic Organic Chemistry, Heterocyclic Chemistry and Medicinal Chemistry
Nandi, A. K.	Polymer Crystallisation & Gelation, Polymer Blends & Hybrids, Polymer Nanocomposites, Supramolecular Polymers
Nangia, Ashwini	Organic Chemistry, Crystal Engineering, Supramolecular Chemistry and Polymorphism
Narasimhan, N. S.	Synthetic Organic Chemistry, Chemistry of Natural Products and Organolithium Compounds
Narasimhan, P. T.	Theoretical Chemistry and Magnetic Resonance
Natarajan, P.	Inorganic Photochemistry, Laser Flash Photolysis and Chemical Conversion of Solar Energy
Natarajan, S.	Inorganic Materials Chemistry and Solid State Chemistry
Pal, Sourav	Electronic Structure Theory, ab initio Quantum Chemistry, Chemical Reactivity and ab initio Molecular Dynamics
Palaniandavar, M.	Bioinorganic Chemistry, Activation of Molecular Oxygen, Structure & Bonding, Electron Transfer in Small Molecules, Interaction of Metal Complexes with Anti-Cancer Agents, Targeted Drug Delivery using Nanoparticles
Palit, Dipak Kumar	Ultrafast Spectroscopy, Photo & Radiation Chemistry and Chemical Reaction Dynamics in Condensed Phase

Pandey, G. P.	Organic Synthesis
Pati, Swapan Kumar	Quantum Magnetism, Generalised Charge Transfer and Quantum Methods Development
Periasamy, M.	Organic Chemistry, Organometallics & Chiral Reagents and Renewable Resources Development
Periasamy, N.	Fluorescence Spectroscopy & Applications, Physical Chemistry and Materials Chemistry
Pillai, V. N. R.	Bio-Organic Chemistry, Synthetic Organic Chemistry & Macromolecular Science
Pradeep, T.	Molecular & Nanoscale Materials, Nanoscience & Nanotechnology, Molecular Surfaces, Ion Scattering and Instrumentation
Radhakrishnan, T. P.	Materials Chemistry
Rajagopalan, S. R.	Electrochemistry
Rajappa, S.	Synthetic Organic Chemistry
Rama Rao, A. V.	Organic Chemistry, Medicinal Chemistry, Drug Technology
Ramaiah, D.	Photobiology, Biophysical Chemistry, Organic Photochemistry
Ramakrishnan, Subramaniam	Polymer Synthesis, Polymer Folding & Assembly and Hyperbranched Polymers, Polymerizable Surfactants
Ramamurthy, V.	Photochemistry, Supramolecular Chemistry, Organic Solid State Chemistry, Chemistry in Confined Spaces
Ramaraj, Ramasamy	Photoelectrocatalysis & Nanomaterials, Chemically Modified Electrodes, Solar Energy Conversion, Catalysis and Sensors
Ramasami, T.	Physical Inorganic Chemistry, Bio-Inorganic Chemistry and Leather Science & Technology
Ramasesha, S.	Many-Body Quantum Chemistry, Organic Solids, Molecular Electronics, Molecular Magnetism and Nonlinear Optics
Ramaswamy, Ramakrishna	Nonlinear Science, Systems Biology & Bioinformatics, and Chemical Dynamics
Ranganathan, Subramania	Organic & Bio-Organic Chemistry
Ranu, B. C.	Green Chemistry, Indium-mediated and Metal Nanoparticle-catalysed Reactions, and Organic Synthesis
Rao, C. Pulla	Bioinorganic Chemistry, Supramolecular Chemistry, Artificial Metalloenzymes
Rao, C. N. R.	Solid State Chemistry, Surface Science, Spectroscopy and Molecular Structure
Rao, K. J.	Physical Chemistry of Amorphous Solids & Ceramics and Phase Transitions
Rastogi, R. P.	Physical Chemistry, Nonequilibrium Thermodynamics and Nonlinear Science
Ray, Deb Shankar	Nonlinear Dynamics and Nonequilibrium Statistical Mechanics
Roy, Sujit	Organometallic Chemistry, Catalysis for Fine Chemicals, Dual & Biometallic Catalysis, Carbon-Hydrogen Functionalisation
Samanta, Anunay	Photochemistry, Time-resolved Spectroscopy and Physical Chemistry of Ionic Liquids
Sampath, S.	Interfacial Electrochemistry, Nanostructured Materials, SERS, Fuel Cells, Supercapacitors, Electrochemical Sensors

Santappa, M.	Physical & Inorganic Chemistry, Photochemistry, Science & Technology of Leather and Polymer Chemistry & Industrial Pollution Control
Sarkar, Sabyasachi	Inorganic Chemistry, Bio-geo-inorganic Chemistry, Structure-functional analogues of metallo-proteins, Carbon Quantum Dots, Bio-imaging
Sarma, D. D.	Strongly Interacting Electron Systems, Disordered Systems, Nanomaterials and Conducting Polymers
Sastry, G. Narahari	Computational Chemistry, Theoretical Chemistry, Computer-aided Drug Design
Sastry, Murali	Surface Physics, Hybrid Materials and Nano Materials
Sathyamurthy, N.	Molecular Reaction Dynamics & Theoretical Chemistry, Atomic & Molecular Clusters and Atoms & Molecules in Confined Environment
Sebastian, K. L.	Theoretical Chemistry and Chemistry of Interfaces
Sen, Kalidas	Density Functional Theory, Confined Systems, Information Theory, Statistical Complexity
Sharma, Ram Prakash	Organic Chemistry, Natural Products Chemistry and New Synthetic Methods
Shukla, A. K.	Materials Electrochemistry, Fuel Cells, Batteries and Supercapacitors
Singh, Anil Kumar	Organic Chemistry, Bio-organic Chemistry, Photochemistry and Photobiology
Singh, H. Bahadur	Main Group Chemistry, Organochalcogen Chemistry and Organometallic Chemistry
Singh, Vinod Kumar	Synthetic Organic Chemistry
Sinha, A. P. B.	Solid State Materials
Subba Rao, B. C.	Applied Organic Chemistry and Industrial Chemistry
Subba Rao, G. S. R.	Synthetic & Mechanistic Organic Chemistry and Natural Product Chemistry
Subba Rao, G. V.	Materials Science and Solid State Chemistry
Subramanian, Sankaran	NMR, EPR, Theoretical Chemistry and Magnetic Resonance Imaging
Sukh Dev	Organic Chemistry, Synthesis, Natural Products, Drug Discovery
Sundaram, Subramania	Textile Technology, Chemical Plant and Synthetic Fibre Technology
Swaminathan, S.	Organic Chemistry
Taqi Khan, M. M.	Coordination Chemistry, Bioinorganic Chemistry and Catalysis
Tyagi, Avesh K.	Chemistry of Functional Materials, Nanomaterials, Nuclear Materials
Umapathy, Siva	Laser Spectroscopy, Photochemistry and Ultrafast Dynamics
Vairamani, M.	Organic Mass Spectrometry and Organic Chemistry
Vankar, Y. D.	Synthetic Organic Chemistry, Carbohydrate Chemistry and Asymmetric Synthesis
Varadarajan, S.	Organic & Biological Chemistry, Molecular Biology, Engineering Design Technology Development Transfer, Human Nutrition Policy, Energy Management Systems

Vasudevan, S.	Physical Chemistry of Materials, Intercalation Chemistry and Heterogenous Catalysis
Venkatesan, K.	Chemical Crystallography
Verma, Sandeep	Bioorganic Chemistry, Metal Nucleobase Interactions, Peptide based Soft Structures
Vijayamohanan, K. P.	Electrochemistry/Physical Chemistry, Nanotechnology, Materials Chemistry, Electrochemical Power Sources, Functional Materials
Yadav, J. S.	Biologically Active Natural Products, Agrochemicals & Pheromones, Development of New Methodologies for Sustainable Chemistry
Yadav, V. K.	Synthetic Organic Chemistry and Physical Organic Chemistry
Yashonath, S.	Physical Chemistry, Computational Chemistry, Intermolecular Forces & Diffusion within Porous & Dense Media, Ionic Conduction in Solutions

EARTH AND PLANETARY SCIENCES

Total Fellows: 83

Name	Specialisation
Ahmad, Talat	Igneous Petrology, Geochemistry, Himalayan Geology
Anil Kumar	Isotope Geochemistry and Paleomagnetism
Arora, Baldev Raj	Electromagnetic Geophysics, Seismotectonics and Geomagnetism
Aswathanarayana, U.	Nuclear Geology, Natural Resources Management and Environmental Geochemistry
Bajpai, Sunil	Vertebrate Paleontology, Biostratigraphy and Paleobiogeography
Beig, Gufran-Ullah	Atmospheric Sciences, Global Change & Atmospheric Environment, Urban Air Pollution & Chemical-Climate Change, 2-D & 3-D Atmospheric Chemical Transport Modelling
Bhandari, N.	Planetary Sciences, Nuclear Geophysics and Exploration of Moon
Bhardwaj, Anil	Planetary and Space Sciences, Multi Wavelength, Atmospheres and Ionospheres, Lunar-Solar Wind Interactions.
Bhat, G. S.	Tropical Convection, Boundary Layer, Field Studies, Ocean-Atmosphere Coupling
Bhattacharya, Sourendra Kumar	Isotope Geochemistry and Anomalous Isotope Fractionation
Bhattacharyya, Archana	Ionospheric Physics, Geomagnetism and Space Weather
Bhonsle, R. V.	Solar Terrestrial Physics and Radio Astronomy
Chander, Ramesh	Geodynamics of Himalaya, Seismology and Geophysics
Dasgupta, Somnath	Metamorphic Petrology, Geochemistry and Precambrian Geology
Dileep Kumar, M.	Control of Sea Water Composition, Biogeochemical Cycles & Global Change and Chemical Oceanography
Gadgil, Sulochana	Meteorology, Oceanography and Evolutionary Biology

Gaur, V. K.	Seismo-Tectonics, Geophysical Inversion and Earth System Sciences
Gopalan, K.	Geo- & Cosmo-Chronology, Isotope Geology and Mass Spectrometry
Goswami, B. N.	Tropical Meteorology, Monsoon Dynamics, Predictability of Weather & Climate and Air-Sea Interactions
Goswami, J. N.	Solar System Studies, Pre-Solar (Stellar) Processes and Geochronology
Gupta, A. K.	Experimental Petrology, Mineralogy and Geochemistry
Gupta, Anil Kumar	Paleomonsoon, Paleoclimatology and Paleoceanography
Guptasarma, D.	Radiophysics & Electronics and Exploration Geophysics
Haider, S. A.	Planetary Atmospheres, Ionosphere & Magnetosphere of Mars
Jayaraman, A.	Atmospheric Science, Aerosols and Radiative Transfer
Kamra, A. K.	Atmospheric Electricity, Cloud Physics and Aerosol Physics
Krishna, K. S.	Structure & Tectonics of the Continental Margins of India, Lithospheric Deformation of Central Indian Ocean and Structure & Evolution of Volcanic Ridges of Indian Ocean
Krishna Kumar, K.	Monsoon Dynamics, Predictability & Prediction, Climate Change & Impacts and Climate Applications
Krishnamoorthy, K.	Atmospheric Aerosols, Microphysics, Regional Radiative Forcing, Climate Impact Assessment, Equatorial Aeronomy, And Atmospheric Sciences
Krishnaswami, S.	Nuclear Oceanography and Low Temperature Geochemistry
Lal, R. K.	Metamorphic Petrology, Mineralogy and Thermodynamics
Lal, Shyam	Ozone & Trace Gases for Atmospheric Processes and Environmental & Climatic Changes
Mandal, Nibir	Structural Geology, Solid Earth Geophysics, Tectonics
Merh, S. S.	Structural Geology, Himalayan Geology and Quaternary Geology
Mishra, S. K.	Dynamic Meteorology and Numerical Modelling of the Atmosphere
Mohan, Anand	Metamorphic Petrology, Mineralogy, Thermodynamics and Precambrian Geology
Mohanty, U. C.	Numerical Weather Prediction, Monsoon Dynamics, Climate Modelling and Tropical Meteorology and Mesoscale Modelling System
Mukhopadhyay, D.	Structural Geology, Precambrian Geology and Metamorphic Petrology
Murty, S. V. S.	Early Solar System & Pre-Solar Processes, Cosmochemistry of Nitrogen & Noble Gases, Mass Spectrometry and Planetary Exploration
Naqvi, S. W. A.	Chemical Oceanography, Palaeo-Oceanography, Global Change and Aquatic Biogeochemistry
Navalgund, R. R.	Remote Sensing, Space Applications, Magnetic Resonance
Pandey, P. C.	Satellite Oceanography, Atmospheric Sciences, Climate Change and Polar Research
Patra, Amit K	Ionospheric Electrodynamics & Plasma Instabilities, Space Weather, Radar Probing Techniques

Prasad, G. V. R.	Vertebrate Palaeontology, Mesozoic Mammals and Cretaceous Palaeobiogeography
Purnachandra Rao, V.	Marine Geology, Authigenic Minerals and Palaeoclimate, Palaeo-sea-levels
Radhakrishna, T.	Geochemistry & Igneous Petrology, Palaeomagnetism and Geodynamics
Rai, S. S.	Seismology, Electromagnetic Exploration
Rajamani, V.	Geochemistry, Rock Weathering, Soil/Sediment Genesis and Farmland Geology
Rajeevan, M. N.	Climate Variability, Monsoon Prediction, Climate Change
Rama	Isotope Hydrology
Ramakrishnan, M.	Precambrian Geology, Geochemistry, Petrology and Geochronology
Ramesh, Rengaswamy	Palaeoclimatology & Climate Modelling, Mass Spectrometry, and Oceanography
Rao, M. Nageswara	Solar System Physics, Mars Fundamental Research, Earth & Planetary Sciences and Lunar & Meteorite Sample Studies
Rao, N. V. Chalapathi	Igneous Petrology, Mantle Geochemistry, Geodynamics, Mineral Resources
Rao, P. Balarama	Space Physics, Radiowave Propagation and Radar Systems
Rastogi, R. G.	Ionospheric Physics, Geomagnetism and Space Weather Disturbance
Roy, A. B.	Precambrian Geology and Geology of Indian Shield
Roy, Supriya	Metallogeny, Ore-Genesis and Ore Mineralogy
Sahni, Ashok	Vertebrate Palaeontology, Palaeobiogeography and Electron Microscope Applications to Biomineralization
Sarin, Manmohan	Atmospheric & Aerosol Chemistry and Chemical Oceanography
Sarkar, Anindya	Stable Isotope Geochemistry, Palaeoclimatology
Satheesh, S. K.	Aerosols, Radiation, Climate
Sengupta, Pulak	Metamorphic Petrology
Shankar, D.	Tropical Ocean Dynamics, Ocean-Atmospheric Interactions
Sharma, Ram Swaroop	Metamorphic Petrology, Mineralogy and Precambrian Geology
Shenoi, S. S. C.	Physical Oceanography, Ocean-Atmosphere Interaction and Satellite Oceanography
Shetye, S. R.	Physical Oceanography
Sikka, Devraj	Monsoon, Tropical & Satellite Meteorology, Climate Change, Dynamics of Himalayan Glaciers and Climate Research
Singh, R. N.	Geophysics and Geophysical & Environmental Modelling
Singh, Sarva Jit	Theoretical Seismology and Applied Mathematics
Singhvi, Ashok Kumar	Quaternary Geochronology, Earth Surface Processes and Past Climates Tectonics and Radiation Effects in Minerals
Somayajulu, B. L. K.	Nuclear Oceanography, Geochemistry and Cosmic Ray Produced Radioisotopes
Sridharan, Rajagopal	Solar Terrestrial Physics, Space Physics, Optical Astronomy and Planetary Atmospheres
Srinivasan, M. S.	Micropaleontology, Paleoceanography and Marine Geology

Srinivasan, Ramaswamiah	Precambrian Geology, Archaean Sedimentation & Palaeobiology, Geochemistry
Srivastava, D. C.	Structural Geology and Fluid Inclusions
Srivastava, R. K.	Igneous Petrology, Geochemistry, Precambrian Geology
Subbarao, K. V.	Volcanology, Igneous Petrology and Palaeomagnetism
Tandon, S. K.	Sedimentology, Physical Stratigraphy and Quaternary Geology
Thakur, V. C.	Structural Geology, Tectonics of Himalayan Geology and Active Tectonics
Valdiya, K. S.	Sedimentary Geology, Tectonics and Environmental Geology
Vinayachandran, P. N.	Physical Oceanography, Ocean Modelling, Physical-Biological Interactions in Ocean
Yadav, R. R.	Palaeoclimatology, Tree Ring Analysis, Climate Change, Biodiversity

ENGINEERING

Total Fellows: 143

Name	Specialisation
Agrawal, Manindra	Computational Complexity Theory and Computation Number Theory
Amarjit Singh	Millimeter Wave Tubes, Microwave Tubes and Microwave Electronics
Anand, G. V.	Statistical Signal Processing, Ocean Acoustics and Nonlinear Dynamics
Arakeri, J. H.	Fluid Mechanics, Heat Transfer, Turbulence
Arakeri, V. H.	Cavitation, Hydrodynamics and Two-phase Flows
Arunachalam, V. S.	Issues on Energy, IT & Broadband Communications for Human Development, Materials Design and Application of Infrastructure Technologies
Balakrishnan, N.	Numerical Electromagnetics, Information Security, Polarimetric Radars and Aerospace Electronic Systems
Baldev Raj	Non-destructive Science & Technology, Materials Performance, Technology Management and Nano Science & Technology
Banerjee, Dipankar	Metallurgy, Titanium Alloys and Electron Microscopy
Banerjee, Soumitro	Bifurcation Theory and Switching Dynamical Systems
Banerjee, Srikumar	Materials Science, Physical Metallurgy, Phase Transformations, Nuclear Fuel Cycle, Nuclear Materials and Reactor Engineering
Bhanu Sankara Rao, K.	Mechanical Metallurgy, Physical Metallurgy and Materials Development
Bhatia, S. K.	Transport & Reaction in Nanostructured Porous Media, Adsorption and Mathematical Modelling
Biswas, Gautam	Enhancement of Heat Transfer, Computational Fluid Dynamics, Bubble Growth in Film Boiling, Free Surface Flows, Turbomachinery and Turbulence
Borkar, V. S.	Stochastic Control Theory and Applied Probability
Bose, D. N.	Semiconductor Materials & Devices, VLSI Technology, Ferroics, Terahertz devices

Chakrabarti, P. P.	Artificial Intelligence, Computer Aided Design for VLSI and Algorithms
Chakravorty, Dipankar	Materials Science and Nanomaterials
Chandru, Vijay	Computational Mathematics and Computational Biology
Chattopadhyay, Kamanio	Physical Metallurgy and Materials Science & Engineering
Chaudhari, R. V.	Homogeneous and Heterogeneous Catalysis, Syngas Conversion; Multiphase Reactors, Chemical Reaction Engineering and Kinetics & Mechanism
Chaudhuri, Subhasis	Computer Vision and Image Processing
Chhabra, R. P.	Transport Phenomena, Rheology, Non-Newtonian Fluids
Chokshi, A. H.	High Temperature Deformation & Failure, Ceramics and Nanomaterials
Choudhary, V. R.	Heterogeneous Catalysis, Zeolites: Adsorption/Catalysis and Natural Gas Conversion/Utilization, Green Chemistry/ processes
Dastidar, P. R.	Electronics, Controls and Nuclear Power
Deb, K.	Optimization & Design, Genetic Algorithms and Multiobjective Optimization
Deekshatulu, B. L.	Control Systems, Digital Image Processing, Pattern Recognition, Remote Sensing, Machine Learning
Deshpande, S. M.	Computational Fluid dynamics, Meshfree Methods and Data Assimilation
Dey, Gautam Kumar	Phase Transformations in Metals & Alloys, Electron Microscopy and Metallic Glasses & Nanocrystalline Materials
Dey, Subhasish	Fluid Mechanics, Hydraulics, Sediment Transport
Dutta, Pradip	Heat Transfer, Energy Studies
Dutta Roy, S. C.	Signal Processing, Network Theory and Electronic Circuits
Gandhi, K. S.	Batteries and Fuel Cells, Multiphase Fluid Systems and Polymer Reaction Engineering
Ganguly, C.	Process Metallurgy, Nuclear Fuels and Ceramics, Powder Metallurgy
Ganguly, P.	Atom-bond Transition and Insulator-Metal Transition
Ghosh, Amitabha	Manufacturing Science, Machine Dynamics & Mechanisms, Classical Mechanics and Robotics
Ghosh, Subir Kumar	Computational Geometry & Applications, Robot Motion Planning and Geometric Graph Theory
Goel, P. S.	Satellite Control Systems, Space Technology and Earth Systems
Gopalakrishnan, S.	Wave Propagation, Structural Health Monitoring, Computational Mechanics
Govindarajan, Rama	Fluid Mechanics
Gowariker, V. R.	Propellant & Rocket Technology, Heat, Mass & Momentum Transfer Phenomena, Sugar Technology and Chemical Fertilizers
Gupta, Santosh Kumar	Polymer Engineering & Science, Bio-mimetic Adaptations of Multi-objective Evolutionary Algorithm and Experimental Online Optimal Control
Haritsa, J. R.	Database Systems, Data Mining, Real-Time Systems

Irani, J. J.	Iron & Steel Making
Iyengar, R. N.	Structural Dynamics, Earthquake Engineering, Applied Stochastics and History of Science
Jacob, K. T.	Thermodynamics of Materials, Phase Equilibria, Materials Extraction & Synthesis, Solid State Sensors, Fuel Cells & Electrolyzers, High-Temperature Corrosion
Jayakrishnan, A.	Polymer Chemistry, Biomaterials and Controlled Drug Delivery
Jayaram, Vikram	Ceramics, Thin Films, Electron Microscopy and Mechanical Properties
Jena, P. K.	Extractive Metallurgy, Mineral Processing, Environmental Engineering and Physical Chemistry of Materials Processing
Jhunjunwala, Ashok	Telecommunications, Computer Networks and Fibre Optics
Joseph, George	Electro-optics, Space Instrumentation and Remote Sensing
Joshi, J. B.	Chemical Engineering, Fluid Mechanics, Reactor Design Absorption of NO _x Gases and Solar Energy
Kakodkar, Anil	Structural Mechanics and Nuclear Engineering
Kalam, A. P. J. Abdul	Composite Material Technology and Rocket Technology
Kamal, A. K.	Air Traffic Control, Surveillance, Automation, IFF, Mode S, and GPS
Kant, Tarun	Solid & Structural Mechanics, Finite Element Methods and Mechanics of Composite Materials & Structures
Kapur, P. C.	Mineral Processing, Particulate Science & Technology, Mathematical Modelling and Waste Management
Kasturirangan, K.	High Energy Astronomy and Satellite Technology
Khakhar, D. V.	Granular Flow & Mixing, Polymer Processing
Krishna, Rajamani	Diffusion Inside Porous Materials
Krishna Murty, A. V.	Aerospace Engineering, Structural Mechanics, Composites and Smart Structures
Krishnan, R.	Physical Metallurgy and Materials Science
Krishnan, S.	Electronics and Digital Systems
Krupanidhi, S. B.	Ferroelectrics, III-V Semiconductors, Thin Films, Epitaxy, Solid State Devices and MEMS
Kulkarni, B. D.	Chemical Reaction Engineering and Mathematical Modelling & Simulation
Kulkarni, M. G.	Polymer Science & Engineering
Kumar, Anurag	Communication Networks, Stochastic Modelling, Wireless Networks
Kumar, R.	Multiphase Phenomena
Kumaran, V.	Hydrodynamic Stability, Dynamics of Complex Fluids and Granular Flows
Lele, Ashish K.	Polymer Dynamics, Rheology & Processing, Rheology of Complex Fluids, Hydrogels and Gelation Processes
Lele, Shrikant	Physical Metallurgy and Materials Science
Mallik, Asok Kumar	Vibration Engineering, Kinematics and Dynamics of Machines
Mallik, R. K.	Wireless Communications, MIMO & Space-Time Systems, Co-operative Communications

Manna, Indranil	Structure-property correlation of engineering materials, Nanostructured materials, Surface engineering
Mashelkar, R. A.	Polymer Science & Engineering, Molecular & Convective Diffusion, Non-Newtonian Fluid Mechanics and Rheology
Misra, K. B.	Reliability, Maintainability, Risk & Safety Engineering and Performability Engineering
Mittal, Sanjay	Unsteady Aerodynamics, Finite Element Analysis, High Performance Computing and Bluff-body Flows, Aerodynamic Shape Optimization, Experimental Aerodynamics
Mukunda, H. S. N.	Combustion Aerodynamics, Fluid Mechanics, Rocket Propulsion and Energy from Bioresidues
Munjal, M. L.	Technical Acoustics, Noise & Vibration Control and Mufflers & Silencers
Murty, B. S.	Non-equilibrium Processing, Nanocrystalline Materials, Metallic Glasses, In-situ Composites, High Entropy Alloys
Murty, T. G. K.	Optical Engineering, Thin Film Technology, Electro-Optical Instrumentation and Atmospheric Science Technologies
Nadkarni, V. M.	Polymer Science & Engineering, Materials Science and Chemical Engineering
Nakra, B. C.	Vibration Engineering, System Dynamics & Controls and Instrumentation, Mechatronics
Narahari, Y.	Game Theory & Mechanism Design, Electronic Commerce Internet and Network Economics
Narasimha, R.	Aerospace Engineering, Fluid Mechanics and Atmospheric Science & Technology Policy
Narasimhan, R.	Fracture Mechanics and Computational Solid Mechanics
Natarajan, K. A.	Mineral Processing, Hydrometallurgy, Biomineral Technology and Corrosion Engineering
Padmanabhan, K. A.	Mechanical Metallurgy, Metal Forming, Plasticity & Superelasticity and Nanotechnology
Pai, M. A.	Power Systems, Stability, Control and Computation
Pal, Sankar Kumar	Bioinformatics, Pattern Recognition & Machine Learning, Image Processing, Data Mining Web Intelligence and Soft Computing
Pandit, A. B.	Design of Multiphase Reactors, Cavitation Phenomena and Environmental Engineering
Paranjpe, P. A.	Turbomachinery and Energy/Propulsion Systems
Patnaik, L. M.	Computer Science & Engineering, Information Technology and Electronics
Patwardhan, V. S.	Computer Simulation, Mathematical Modelling, Multiphase Reactions and Software Development and Spreadsheet Programming
Pitke, M. V.	Electronics, Telecommunication & Information Technology, Technology Transfer and Wireless Communication
Prasad, Surendra	Signal Processing, Communication Theory and Speech Processing
Prasad, Y. V. R. K.	Deformation Processing, Process Modelling, Deterministic Chaos and Microstructural Control
Prasada Rao, T. S. R.	Petroleum Refining and Heterogeneous Catalysis

Prathap, Gangan	Structural Mechanics, Finite Element Method, Information Science and Composite Materials
Rajaraman, V.	Computer Science and Information Systems Design
Ramachandran, A.	Energy, Heat and Mass Transfer
Ramachandran, S.	Alloy & Stainless Steel Making and Process Metallurgical Design & Development
Ramamritham, K.	Databases, Real-Time Systems, Use of Information & Communication Technology for Socioeconomic Development
Ramamurti, V.	Vibrations, Stress Analysis
Ramamurty, U.	Mechanical Behaviour of Materials, Advanced Materials, Nanotechnology
Ranade, V. V.	Multiphase Flows & Reactors, Computational Flow Modelling, Process Intensification
Ranganathan, Srinivasa	Physical Metallurgy, Materials & Society and Science & Civilisation
Rao, K. K.	Flow of Granular Materials and Defluoridation of Drinking Water
Rao, P. Rama	Deformation, Fracture and Materials Development
Rao, P. V. S.	Computer Science & Speech Research, Natural Language Processing and Cursive Script Recognition
Rao, V. Ramgopal	Nanoelectronics and Nanotechnology
Ratnasamy, Paul	Catalysis, Zeolites and Solid State Chemistry
Reddy, V. Umapathi	Signal Processing and Communications
Roy, Tuhin Kumar	Hydrometallurgy, Fluidization and Mixing
Roy Chaudhury, S.	Propulsion, Total Energy, Agro-based Energy - Bio-Diesel & Hydrogen Fuel and Integrated Rural Energy for Rural Development
Sarma, V. V. S.	Artificial Intelligence, Reliable Computing, Systems Engineering and Indian Logic (Nyaya Darsana)
Sen, Sandeep	Algorithms (Sequential & Parallel), Probabilistic Analysis & Randomization and Computational Geometry
Seshagiri, N.	Electronics, Data Communication, Theoretical Physics and Theoretical Molecular Biology
Shankar, P. N.	Engineering Science and Fluid Dynamics
Sharma, Anurag	Fibre & Integrated Optics, Gradient-Index Optics and Applied Optics
Sharma, Ashutosh	Soft Nanotechnology & Meso-Patterning, Meso-Mechanics, Thin Films & Self-Organization, Colloid & Interface Science, Carbon Nanomaterials, Devices & Composites in Health, Energy & Environment
Sharma, Man Mohan	Multiphase Reactions/Reactors, Separations
Shyamasundar, R. K.	Specification & Verification, Real-Time Programs, Logic Programs, Mobile Computing and Computer Security
Singh, Bhim	Power Electronics, Renewable Energy Generation
Singh, Digvijai	Dynamics of Mechanical Systems, Stress Analysis, Tribology, Stability of Vehicles, Tyre Mechanics and Pavement Engineering
Sivaram, S.	Polymer Chemistry and Technology, Polymer Surfaces & Interfaces, Structured Polymers

Sivasanker, S.	Industrial Catalysis, Petroleum Refining and Petrochemical Production and Green Chemistry
Sridharan, A.	Engineering Properties of Clays, Clay Mineralogy and Foundation Engineering
Srinivasan, Jayaraman	Thermal Science, Climate Science and Solar Energy
Subbarao, E. C.	Materials Science, Renewable Energy, and R&D Management
Sukhatme, S. P.	Heat Transfer and Solar Energy
Sundar Rajan, B.	Wireless Communication, Coding Theory
Sundararajan, G.	Surface Engineering, Development of Normal Coating Technologies, High Temperature Deformation & Fracture and High Strain Rate Deformation & Ballistic Penetration
Sunder, Ramasubbu	Fatigue & Fracture Testing for Strength & Endurance, and Field Data Acquisition
Thathachar, M. A. L.	Systems Science, Learning Algorithm and Pattern Recognition
Valluri, Sitaram Rao	Metal Fatigue
Venkatesh, Y. V.	Machine & Computer Vision, Neural Networks for Pattern Recognition, Signal Processing and Remote Sensing Data Analysis, System Theory
Venkateswara Rao, G.	Finite Element Methods, Structural Analysis (Linear & Nonlinear) and Smart Structures
Vidyasagar, M.	Control System Theory, Computational Biology and Statistical Learning Theory
Viswanadham, Nukala	Global Logistics, Service Networks and Supply Chain Networks
Yajnik, K. S.	Fluid Mechanics, Biogeochemical Processes & Climate Change, Ocean Modelling & Simulation
Yegnanarayana, B.	Signal Processing, Speech & Vision and Artificial Neural Networks

GENERAL BIOLOGY

Total Fellows: 132

Name	Specialisation
Adhya, Samit	Molecular Genetics of Parasites, Intracellular RNA Trafficking and DNA Diagnostics
Appaji Rao, N.	Biochemistry, Enzyme Regulation and Inborn Errors of Metabolism
Apte, Shree Kumar	Molecular Biology & Biotechnology, Physiology & Biochemistry and Stress Biology of Bacteria & Plants
Babu, P.	Genetics and Biotechnology
Bachhawat, Anand K.	Microbial Genetics, Molecular Genetics and Microbial Biochemistry
Balaram, Hemalatha	Molecular Enzymology, Molecular Parasitology and Protein Engineering
Balaram, P.	Bio-Organic Chemistry and Molecular Biophysics
Balasubramanian, D.	Biophysical Chemistry & Biochemistry of Eye Diseases and Public Understanding of Science

Bandyopadhyay, Uday	Gastric Pathophysiology, Anti-Malarials, Free Radical Biology & Apoptosis
Banerjee, R. K.	Molecular Enzymology, Membrane Biochemistry and Cell Biology
Bansal, Manju	Computational Structural Biology, Computational Genome Analysis and Biomolecular Modelling
Basu, Joyoti	Molecular Microbiology, Mycobacteria, Host-Pathogen Interactions and Membrane Biology
Basu, Mukul Kumar	Structure Functions of Bio-membranes; Design & Testing of Targetted Delivery Systems and Host-Parasite Interactions
Basu, Sandip Kumar	Biochemistry, Cell Biology, Molecular Biology and Microbial Genetics
Batra, Janendra Kumar	Molecular Biology, Biochemistry and Protein Chemistry
Bhalla, Upinder S.	Systems Biology, Computational Neuroscience and Systems Neurobiology
Bhargava, Purnima	Biochemistry and Molecular Biology, Eukaryotic Transcription, Epigenetics & Chromatin
Bhattacharya, Sudha	Molecular Biology, Molecular Parasitology and Genomics
Bhattacharyya, B.	Biophysical Chemistry, Biochemistry and Molecular Spectroscopy
Biswas, B. B.	Nucleic Acid Metabolism, Plant Biochemistry and Genetic Engineering
Brahmachari, S. K.	Functional Genetics and Genome Informatics
Chakrabarti, Pinakpani	X-ray Crystallography, Structural Biochemistry and Bioinformatics
Chakraborti, Pradip K.	Biochemistry and Molecular Microbiology, Prokaryotic Signal Transduction.
Chandra, H. Sharat	Genetics and Evolution
Chatterji, Dipankar	Molecular Biology, Biophysical Chemistry and Biomolecular Spectroscopy
Chattopadhyay, Amitabha	Membrane Biology, Molecular & Cellular Neurobiology and Fluorescence Spectroscopy & Microscopy
Chattopadhyay, Dhrubajyoti	Transcription, Molecular Virology and Oxidative Stress Response
Chattopadhyay, Samit	Transcription Regulation, Cancer Biology, Immunology
Chauhan, V. S.	Peptide Synthesis & Structure, Malaria Immunology and Malaria Drug Development, Biomarker Discovery
Das, Pijush Kanti	Cell Biology, Immunology
Das, Saumitra	Molecular Virology, Molecular Biology and Cell Biology
Das Gupta, C. K.	Genetic Recombination and Protein Folding
Datta, Alok Kumar	Nucleic Acid Enzymology, Protein Chemistry, Parasitology and Recombinant DNA Technology
Datta, Asis	Biochemistry, Molecular Biology and Genetic Engineering
Datta, Kasturi	Biochemistry, Molecular & Cell Biology, Human Genome Function and rDNA Technology
Dharmalingam, K.	Molecular Genetics, Genetic Engineering and Biotechnology
Easwaran, K. R. K.	Structural Biology, Membrane Biophysics and Molecular Biophysics
Galande, Sanjeev	Epigenetics, Chromatin Biology, Gene Regulation, Genomics and Proteomics

Ganesh, K. N.	Bio-Organic Chemistry, Bio-Molecular Spectroscopy, Chemistry & Biology of Nucleic Acids and Peptides & Lipids
Ghosh, Balaram	Immunology, Genomics, Gene Regulation
Gokhale, R. S.	Chemical Biology, Mycobacterium Tuberculosis, Small Molecule Metabolism, Skin Biology
Gopal, B.	Structural Biology, Molecular Microbiology, Molecular Biophysics
Gopinathan, K. R.	Molecular Biology, Recombinant DNA & Genetic Engineering, Molecular Virology, Biotechnology and Developmental Biology
Gowrishankar, J.	Microbial & Molecular Genetics
Gupta, C. M.	Membrane Biology, Bio-Organic Chemistry and Molecular Biophysics
Hasnain, S. E.	Functional Biology, Molecular Pathogenesis and Dissemination Dynamics of Human Pathogens particularly M. Tuberculosis
Jacob, T. M.	Synthetic Organic Chemistry, Molecular Biology and Immunology
Jagannathan, V.	Biochemistry and Plant Tissue Culture
Jayaraman, R.	Molecular Biology and Molecular Genetics
Johri, M. M.	Plant Biochemistry, Molecular Biology of Plants and Genetic Engineering
Kannan, K. K.	X-ray & Macromolecular Crystallography and Macromolecular Computer Graphics
Kasbekar, D. P.	Neurospora & Dictyostelium Genetics, Sterol Reductases
Kenkare, U. W.	Biochemistry, Molecular Biology and Neurochemistry
Krishnamoorthy, G.	Biophysical Chemistry, Laser Spectroscopy and Macromolecular Dynamics
Kundu, G. C.	Signal Transduction, Cancer Biology, Angiogenesis and Regulation of Gene Expression
Kundu, T. K.	Mechanisms of Transcriptional Regulation, Epigenetics and Disease, Chemical Biology
Lohia, Anuradha	Cell Cycle of Protozoan Parasite, Molecular Genetics & Genomics and Regulation of Gene Expression
Mahadevan, S.	Regulation of Gene Expression in Bacteria, Microbial Physiology and Microbial Evolution
Mandal, N. C.	Molecular Genetics and Molecular Biology of Prokaryotes
Mande, S. C.	Macromolecular Crystallography and Protein Structure & Function
Mayor, Satyajit	Cell Biology, Biophysics and Biochemistry
Mishra, Gyan Chandra	Immunology and Cell Biology
Mistry, K. B.	Soil Science, Fertilizers and Agrochemicals
Mitra, Debashis	Molecular Virology, Molecular Immunology, HIV/AIDS & Anti-Viral Drug Discovery
Mohan Rao, Ch	Biomolecular Spectroscopy, Molecular Chaperones and Protein Folding in Health & Disease
Mohanty, Debasisa	Bioinformatics, Computational & Structural Biology, Biophysics

Mukhopadhyay, Amitabha	Cell Biology, Host-Pathogen Interactions, Drug Delivery
Muniyappa, K.	Molecular Genetics, Genetic Recombination and Telomere Biology
Murthy, M. R. N.	Macromolecular Crystallography, Virus Structure & Assembly, Protein Structure & Function and X-ray Diffraction
Nagaraj, R.	Peptide Conformation; Membrane Biochemistry, Host-Defence Peptides, Protein Nanostructures
Nagaraja, V.	Protein-Nucleic Acid Interactions, Restriction-Modification Systems, Molecular Biology of Mycobacteria and Regulation of Gene Expression
Padayatty, J. D.	Biochemistry, Molecular Biology and Recombinant DNA
Padmanaban, G.	Molecular Biology, Recombinant DNA and Malarial Parasite
Panda, Dulal	Biochemistry, Cell Biology, and Biophysics
Prakash, V.	Physical Biochemistry, Chemistry of Macromolecules, Biophysics of Proteins, Enzymes & Thermodynamics, Food Chemistry, Nutrition, Food Biotechnology and Food Science
Prasad, Rajendra	Membrane Biology, Yeast Genetics & Molecular Biology and Medical Mycology
Raghava, G. P. S.	Bioinformatics, Genome Annotation and Vaccine Design, Searching Drug Targets
Rajasekharan, Ram	Lipid Metabolism and Plant Biotechnology
Ramachandran, J.	Biochemistry, Organic Chemistry and Molecular Biology
Ramakrishnan, C.	Molecular Biophysics, Protein Structure and Conformation through Data Mining
Rao, A. J.	Regulation of Placental Function, Biochemistry of Placental Proteins Differentiation of Endocrine Tissues and Primate Biology
Rao, B. Jagadeeshwar	Genome Dynamics, Biology of Cellular Adaptations, Computational Biology
Rao, D. N.	Protein-DNA Interactions using Restriction-Modification Enzymes and DNA Mismatch Repair Proteins as Model Systems
Rao, K. V. S.	Synthetic Peptides, Cell Signalling, Biology of Tuberculosis Infection, Systems Biology
Rao, M. R. S.	Molecular Biology, Cell Biology, Human Molecular Genetics and Cancer Genomics, RNA Biology
Rao, V. S. R.	Conformation of Biopolymers
Roy, Rajendra Prasad	Synthetic Protein Chemistry and Biological Chemistry
Roy, Siddhartha	Structural Biology, Protein-Nucleic Acid Interaction and NMR Spectroscopy
Saha, Bhaskar	Immunology, Signal Transduction, Infectious Disease Biology
Sahni, Girish	Protein Engineering, Molecular Biology, Biotechnology and Enzymology
Salunke, D. M.	Structural Biology, Macromolecular Crystallography and Immunology
Sankaranarayanan, R.	Structural Biology, Translation of Genetic Code, Enzyme Mechanisms
Sarabhai, Anand	Molecular Biology, Biotechnology, Nutrition and Ecological Strategies

Sarin, Apurva	Immunology, Cell Biology, Apoptosis
Sarkar, D. P.	Biochemistry, Molecular Virology, Cell Biology, Biotechnology, Membrane Biology
Sarkar, P. K.	Thyroid Hormones & Brain Development, Molecular Biology and Endocrinology, and Neurodegenerative Diseases
Sasisekharan, V.	Molecular Biophysics
Savithri, H. S.	Plant Molecular Virology, Protein Chemistry, and Enzymology
Shaha, Chandrima	Cell Biology and Biochemistry
Shaila, M. S.	Molecular Virology and Viral Immunology
Shanmugam, G.	Molecular Virology, Cancer Biology and Medicinal Plants
Sharma, Amit Prakash	Structural Biology, Malaria, Protein Translation
Sharma, Shobhona	Molecular Parasitology, Parasite Immunology and Parasite Metabolism
Sharma, Yogendra	Biophysics, Biochemistry and Protein Structure & Function
Shivashankar, G. V.	Biophysics, Cell Biology, Gene Expression
Siddiqi, Obaid	Molecular and Behavioural Genetics
Sikdar, Sujit Kumar	Cellular Neurophysiology, Ion Channel Physiology, Pharmacology, Biophysics, Calcium Dynamics
Singh, Bam Bahadur	Radiation Biology, Biophysics, Intellectual Property Rights, Constitutional Law
Singh, Lalji	Molecular Biology, DNA Fingerprinting, Wildlife Conservation and Genetic Diversity
Singh, Tej Pal	Structural Biology, Protein Structures, Peptide Design and Drug Discovery
Singh, Yogendra	Bacterial Pathogenesis, Cell Biology
Sinha, Pratima	Molecular Genetics of Yeast and Molecular Biology
Sitaramam, V.	Bioenergetics, Biomembranes and Biochemistry
SivaRaman, C.	Molecular Enzymology & Enzyme and Microbial Technology
Sowdhamini, R.	Structural Bioinformatics, Protein Domain Superfamilies, Computational Genomics
Srinivasan, N.	Protein Functions, Structures & Evolution, Bioinformatics in Genomics and Metabolism & Signal Transduction
Surolia, A.	Protein Chemistry, Protein Folding, Function & Design for Therapeutics
Sushil Kumar,	Genetics, Food Crops and Medicinal & Aromatic Plants
Swamy, M. J.	Protein Chemistry & Protein-Ligand Interaction, Lipid Phase Behaviour & Polymorphism and Lipid-Protein Interaction
Swarup, Ghanshyam	Molecular & Cell Biology, Biochemistry, Cell Signalling, Molecular Basis of Disease
Talwar, G. P.	Endocrinology, Reproductive Health and Immunology
Tatu, Utpal S.	Molecular Chaperones, Infectious Diseases
Tole, Shubha	Neuroscience, Developmental Biology
Tyagi, Anil Kumar	Molecular Biology, Biochemistry and Microbiology
Udgaonkar, J. B.	Physical Biochemistry and Protein Folding
Varadarajan, R.	Protein Structure & Folding
Varshney, Umesh	Molecular Biology, Protein Biosynthesis and DNA Repair
VijayRaghavan, K.	Developmental Biology, Genetics and Neurogenetics

Vijayan, M.	X-ray Crystal Structure Analysis, Protein & Crystallography and Molecular Biophysics
Vishveshwara, Saraswathi	Quantum Chemistry, Computational Biology and Biomolecular Structure & Interaction
Visweswariah, Sandhya S.	Biochemistry, Protein Structure & Function and Signal Transduction
Yathindra, N.	Computational Structural Biology

MATHEMATICS

Total Fellows: 86

<i>Name</i>	<i>Specialisation</i>
Adimurthi, Adi	Nonlinear Differential Equations
Athreya, K. B.	Probability Theory, Stochastic Processes and Mathematical Statistics
Bag, A. K.	History of Mathematics, Astronomy & Technology in India
Bagchi, Bhaskar	Finite Geometry, Combinatorial Topology and Operator Theory
Balaji, Vikraman	Algebraic Geometry, Representation Theory and Topology
Balasubramanian, R.	Analytic Number Theory
Bambah, Ram Prakash	Number Theory and Discrete Geometry
Bapat, R. B.	Combinatorial Linear Algebra and Generalised Inverses
Bhat, B. V. Rajarama	Quantum Probability, Operator Algebras and Operator Theory
Bhatia, Rajendra	Analysis of Matrices and Operators in Hilbert Space
Bhatt, S. J.	Banach & Topological Algebras, Operator Algebras & Applications, Harmonic Analysis
Bhatwadekar, S. M.	Commutative Algebra and Algebraic Geometry
Bhosle, U. N.	Algebraic Geometry
Biswas, Indranil	Algebraic Geometry, Differential Geometry and Deformation Quantization
Bose, Arup	Probability, Statistics, Economics
Bose, S. K.	Applied Mathematics, Solid Mechanics, Fluid Mechanics and Sediment Transport
Chandrasekharan, K.	Analysis and Theory of Numbers
Chaudhuri, Probal	Robust & Nonparametric Statistics, Statistical Computing, Statistical Methods in Pattern Recognition and Image Processing, Modelling & Analysis of Genomic Data
Dani, S. G.	Ergodic Theory, Dynamics, Measures on Lie Groups and History of Mathematics
Datta, Basudeb	Combinatorial & Topology, Differential Geometry
Ghosh, Jayanta Kumar	Bayesian Mathematical Statistics & Applications
Ghosh, Mrinal Kanti	Stochastic Control, Stochastic Differential Games and Stochastic Finance
Hans-Gill, R. J.	Number Theory, Discrete Geometry and Geometry of Numbers
Iyer, Jaya N.	Algebraic Geometry
Joseph, K. T.	Hyperbolic Systems of Conservation Laws, Boundary Layers, Parabolic Partial Differential Equations, Burgers Equation and Mass Distribution of Large Scale Structures

Kannan, V.	Analysis and Topology
Karandikar, R. L.	Stochastic Calculus, Stochastic Finance, Stochastic Filtering Theory Monte Carlo Methods & Markov Processes, Monte Carlo Methods & Techniques
Kesavan, S.	Partial Differential Equations, Homogenization and Isoperimetric Inequalities
Khanduja, S. K.	Algebra, Valuation Theory, Algebraic Number Theory
Mahan, Mj.	Geometric Group Theory, Geometric Topology, Hyperbolic Geometry
Mehta, V. B.	Algebraic Geometry
Misra, Gadadhar	Operator Theory and Operator Spaces
Mohan Kumar, N.	Commutative Algebra and Algebraic Geometry
Mukerjee, Rahul	Design of Experiments, Asymptotic Theory and Survey Sampling
Nadkarni, M. G.	Ergodic Theory and Commutative Harmonic Analysis
Nagaraj, D. S.	Algebraic Geometry, Vector Bundles
Narasimhan, M. S.	Algebraic & Differential Geometry and Analysis
Nath, Girishwar	Fluid Mechanics, Magnetohydrodynamics and Turbomachines
Nitsure, Nitin	Algebraic Geometry
Nori, M. V.	Algebraic Geometry
Pal, Arup Kumar	Operator Algebras, Noncommutative Geometry, Quantum Groups
Pani, A. K.	Numerical Analysis, Partial Differential Equations, Industrial Mathematics
Parameswaran, A. J.	Algebraic Geometry, Singularity Theory and Vector Bundles
Paranjape, K. H.	Algebraic Geometry, Topology and Differential Geometry
Parimala, Raman	Algebra
Parthasarathy, K. R.	Probability Theory, Group Representations, Quantum Probability, Computing and Information
Parthasarathy, R.	Representations of Semi-Simple Lie Groups, and Topological Dynamical Systems
Parthasarathy, T.	Mathematical Theory of Games, Operations Research and Global Univalence
Passi, I. B. S.	Algebra
Prakasa Rao, B. L. S.	Mathematical Statistics
Prasad, Dipendra	Automorphic Forms and Number Theory
Prasad, Gopal	Lie Groups and Algebraic Groups
Prasad, Phoolan	Theory of Wave-Propagation, Partial Differential Equations and Fluid Mechanics
Radhakrishnan, J.	Computation Complexity, Combinatorics and Quantum Computing
Raghavan, K. N.	Representation Theory
Raghavan, S.	Number Theory and Automorphic Functions
Raghunathan, M. S.	Lie Groups and Algebraic Groups
Rajan, C. S.	Automorphic Forms, Arithmetic Geometry and Representation Theory
Ramadas, T. R.	Geometry and Mathematical Physics

Ramanan, S.	Algebraic Geometry and Differential Geometry
Ramasubramanian, S.	Stochastic Processes, Reflected Diffusions, Skorokhod Problem and Stochastic Models in Insurance
Ramaswamy, Mythily	Nonlinear Functional Analysis, Partial Differential Equations, and Applications to Control Problems
Ramdorai, Sujatha	Algebra, Quadratic Forms, Number Theory and Iwasawa Theory
Rangarajan, G.	Nonlinear Dynamics & Chaos, Time Series Analysis, Brain Machine Interface
Rao, C. R.	Statistics with Applications to Biology, Signal Processing and Pattern Recognition
Rao, T. S. S. R. K.	Functional Analysis, Geometry of Banach Spaces
Roy, Rahul	Probability, Stochastic Processes
Rudraiah, N.	Fluid Mechanics, Magnetohydrodynamics, Electrodynamics, Stability of Flows, Heat & Mass Transfer, Biomechanics, Dispersion Phenomena
Sane, S. S.	Finite Geometries, Design Theory and Graph Theory
Sankaran, P.	Topology and Algebraic Groups
Seshadri, C. S.	Algebraic Geometry
Shah, Nimish Arun	Ergodic Theory, Lie Groups, Number Theory
Shorey, T. N.	Theory of Numbers
Shrikhande, S. S.	Combinatorial Mathematics and Graph Theory
Singh, Balwant	Algebraic Geometry and Commutative Algebra
Singhi, N. K. M.	Discrete Mathematics, Designs and Finite Geometries
Sinha, K. B.	Spectral Theory of Operators, Non-Commutative Geometry and Stochastic Processes
Sitaram, A.	Harmonic Analysis on Euclidean Spaces & on Lie Groups
Sridharan, Ramaiyengar	Algebra
Srinivas, V.	Algebraic Geometry, Algebraic K-Theory and Commutative Algebra
Sunder, V. S.	Von Neumann Algebras and Subfactors
Suresh, V.	Algebra, Quadratic Forms & Division Algebras, and Arithmetic Geometry
Thangavelu, S.	Harmonic Analysis on Lie Groups, Classical Analysis and Partial Differential Equations
Thiagarajan, P. S.	Hybrid Systems and Computational Systems Biology
Vanninathan, M.	Partial Differential Equations, Numerical Analysis, Asymptotic Analysis, Homogenization and Control of PDE
Venkataramana, T. N.	Rigidity & Arithmeticity of Lattices, Cohomology of Arithmetic Groups and Shimura Varieties

MEDICINE

Total Fellows: 83

Name	Specialisation
Acharya, S. K.	Gastroenterology, Hepatology and Liver Diseases
Agarwal, Shyam Swarup	Internal Medicine, Genetics and Immunology
Aggarwal, Amita	Clinical Immunology, Rheumatology, Juvenile Arthritis

Aggarwal, Rakesh	Gastrointestinal & Liver Diseases, Viral Hepatitis, Epidemiology and Health Economics
Anand, Anuranjan	Human Genetics & Genomics, Neurogenetics, Developmental Genetics
Arankalle, Vidya A.	Virology, Molecular Biology, Vaccine, Hepatitis Viruses, Emerging-Reemerging Viruses
Awasthi, Shally	Paediatric Pulmonology, Infectious & Parasitic Diseases, Clinical Trials
Balasubramanian, A. S.	Biochemistry, Neurochemistry and Enzymology
Balasubramanian, K. A.	Oxidative Stress, Gastrointestinal Mucosa and Pathophysiology
Banerjee, Kalyan	Virology, Epidemiology and Immunology of Virus Diseases
Bhan, M. K.	Paediatrics, Gastroenterology, Infectious Diseases and Nutrition
Bhisey, R. A.	Environmental Carcinogenesis and Molecular Epidemiology of Cancer
Chandy, Mammen	Hematology, Bone Marrow Transplantation and Molecular Genetics of Blood Diseases
Chaturvedi, U. C.	Medical Microbiology, Virology and Immunology
Chitnis, Chetan Eknath	Molecular Parasitology, Vaccine Development for Malaria and Molecular & Cell Biology
Das, Bhudev Chandra	Molecular Biology of Cancer, Molecular Virology, Human Genetics and Mutation Research
Deo, Madhav Gajanan	Pathology, Oncology and Medical Education
Dikshit, Madhu	Cardiovascular Pharmacology, Molecular Pharmacology, Oxidative/Nitrosative Stress, Neutrophils & Nitric Oxide Synthase
Dua-Sharma, Sushil	Neurophysiology, Reproductive Biology and Nutrition
Gaitonde, B. B.	Communicable Diseases, Clinical Pharmacology and Indigenous Drugs
Gangal, S. V.	Allergy, Immunology and Biochemistry
Gangal, Sudha Gajanan	Cancer & Basic Immunology, Cell Biology and Genetic Diseases
Ganguly, Nirmal Kumar	Microbiology, Immunology, Biotechnology and Public Health
Ghosh, Amit	Molecular Biology of V.cholerae and Recombinant DNA Technology
Gopalan, C.	Nutrition and Medical Research
Gopinath, Gomathy	Developmental Neurobiology, Environment & Neural Plasticity and Neural Transplantation
Goswami, Ravinder	Autoimmune Endocrine Disorders, Sporadic Idiopathic Hypoparathyroidism and Metabolic Bone Disorders in India
Gupta, Satish Kumar	Immunology, Reproductive Immunology and Reproductive Biology, Vaccines, Diagnostics, Antibody Engineering
Indira Nath	Immunology, Leprosy and Pathology
Indrayan, Abhaya	Medical Biostatistics, Medical Research Methodology, Medical Informatics
Jacob John, T.	Infectious Diseases and Virology
Jagannathan, N. R.	Magnetic Resonance Imaging (MRI), In-vivo MR Spectroscopy, Biomolecules, Cancer Research, Functional MR Studies, Metabolomics

Jameel, Shahid	Molecular Biology and Molecular Virology
Kalyanaraman, S.	Neurosurgery
Kang, Gagandeep	Enteric Virology, Vaccines
Kartha, C. C.	Cardiac Pathology, Cardiac Biology and Cell-based Therapies
Katoch, V. M.	Molecular Biology and Functional Genomics of Mycobacteria, Taxonomy, Epidemiology of Mycobacterial Diseases
Kochupillai, N. P.	Internal Medicine, Clinical Endocrinology Metabolism, Diabetes and Biotechnology
Krishnaswamy, K.	Internal Medicine, Nutritional Sciences and Clinical Pharmacokinetics
Kumar, Lalit	Stem Cell Transplantation, Multiple Myeloma, Haemato-Oncology, Gynaecologic Oncology
Mandal, Chitra	Glycobiology, Immunobiology and Glycoimmunology
Mathur, Asha	Virology, Immunology and Medical Microbiology
Mishra, A. C.	Epidemiology, Viral Infections, Zoonotic Disease Diagnostics and Vaccine Development
Misra, Usha Kant	Clinical Neurology, Neurophysiology and Tropical Neurology
Mitra, Indraneel	Cancer Surgery, Cancer Biology and Cancer Prevention
Mohan, V.	Diabetes and its Complications, Epidemiology, Genomic Studies
Mukhopadhyay, Sangita	Immunology, Cell Signalling, Communicable Diseases
Nageswara Rao, G.	Cornea, Community Eye Health and Eye Care Policy & Planning
Nair, G. Balakrish	Clinical Microbiology, Molecular Epidemiology, Diarrhoeal Diseases
Nayak, N. C.	Pathology, Oncology and Liver Diseases
Nityanand, S.	Immunology and Haematology
Pal, G. P.	Human Anatomy, Clinical Anatomy and Biomechanics of Spine
Panda, S. K.	Liver Pathology, Viral Hepatitis and Molecular Biology/Virology
Parulkar, G. B.	Open Heart Surgery, Extracorporeal Circulation, Coronary Bypass Surgery and Vascular Surgery
Pillai, M. Radhakrishna	Tumour Biology, Molecular Biology and Drug Development
Pitchappan, R.	Human Immunogenetics, Immunology of Infectious Diseases, Human Genomics, Transplantation Immunology
Rajshekhar, V.	Neurosurgery, Cysticercosis, Cervical Spine Surgery
Raju, T. R.	Developmental Neuroscience, Neurodegeneration and Neuronal Plasticity
Ramakrishna, B. S.	Gastroenterology, Transport Physiology, Cell Biology, Gastrointestinal Microbiota, Immunity
Rangarajan, P. N.	Eukaryotic Gene Expression and Infectious Diseases
Ravi, V.	Neurovirology, Viral Diagnostics, Molecular Epidemiology of Viral Infections
Ravindranath, Vijayalakshmi	Neuroscience, Toxicology and Pharmacology
Reddy, C. R. R. M.	Pathology, Parasitology and Cancer Epidemiology

Sanyal, S. C.	Medical Microbiology, Pathogenicity, Nosocomial Infections, Infection Control and Antimicrobial Therapy
Sarin, S. K.	Hepatology
Sarkar, Chitra	Neuropathology
Saxena, R. K.	Immunology, Nanosciences, and Biotechnology
Sharma, Kamal Nath	Neurophysiology, Behaviour, Biocontrols and Hospital Planning
Sharma, Surendra K.	Internal Medicine, Pulmonary & Critical Care Medicine, Sleep Medicine
Sharma, Vinod Prakash	Malariaology and Vector Biology & Control
Sharma, Y. D.	Molecular Biology, Molecular Malariaology and Protein Chemistry
Sinha, Subrata	Molecular Oncology and Immunology
Somasundaram, K.	Cancer Biology, Genetics and Virology
Sundar, Shyam	Medicine, Infectious Diseases and Visceral Leishmaniasis
Surolia, Namita	Molecular Parasitology, Biochemistry and Molecular Biology
Swaminathan, Soumya	Paediatrics, Tuberculosis, HIV Co-infection, TB Pathogenesis
Tandon, P. N.	Neurosciences and Neurosurgery
Tyagi, Jaya Sivaswami	Molecular Biology, Mycobacteriology and Gene Regulation
Valiathan, M. V. S.	Cardiac Surgery, Cardiovascular Materials and Ayurveda
Varma, Ravi Martanda	Neurosurgery
Vrati, Sudhanshu	Molecular Virology, Vaccinology and Biotechnology
Wadhwa, Shashi	Human Anatomy, Neuroanatomy and Developmental Neurobiology
Wadia, N. H.	Clinical Neurology and Neurosciences

PHYSICS

Total Fellows: 201

Name	Specialisation
Agarwal, Girish Saran	Quantum Optics, Quantum Information Science and Stochastic Processes
Agrawal, P. C.	X-ray Astronomy and Experimental High Energy Astrophysics
Amritkar, R. E.	Nonlinear Phenomena, Chaos and Statistical Physics
Ananthakrishna, G.	Theoretical Materials Science, Condensed Matter and Dynamical Systems & Chaos
Ananthakrishnan, S.	Extragalactic Radio Astronomy, Sun & Solar Wind, Interferometry Techniques and Analog Electronics
Antia, H. M.	Solar Physics, Helioseismology and Numerical Techniques
Balakrishnan, V.	Statistical Physics, Stochastic Processes and Dynamical Systems
Banerjee, Sunanda	Experimental High Energy Physics
Barma, Mustansir	Statistical Physics
Barman, S. R.	Electron Spectroscopy, Surface Science, Materials Studies
Barua, Asok Kumar	Solid State Materials, Thin Film Technology and Thin Film Solar Cells
Baskaran, G.	Theoretical Physics, Strongly Correlated Electronic Systems and Quantum Processes in Biology

Bhat, S. V.	Experimental Condensed Matter Physics, Solid State NMR, Electron Paramagnetic Resonance, Magnetism and Physics of Glass Transitions
Bhattacharjee, J. K.	Critical Phenomena, Turbulence and Nonlinear Dynamics
Bhattacharjee, S. M.	Statistical Physics and Condensed Matter Physics
Bhattacharya, Dipankar	High Energy Astrophysics, Neutron Stars and Cosmic Explosions
Bhattacharjee, S. K.	Experimental Nuclear Physics
Bhawalkar, D. D.	Lasers and laser Instrumentation
Bose, Indrani	Theoretical Condensed Matter Physics, Statistical Physics, Biological Physics and Systems Biology
Budhani, R. C.	Experimental Condensed Matter Physics, Superconductivity and Magnetism
Chaddah, Praveen	Superconductivity, Low Temperature Physics and Phase Transitions
Chakrabarti, B. K.	Statistical Physics, Condensed Matter Physics and Computational Physics & their Applications to Social Sciences
Chaturvedi, Subhash	Mathematical Physics, Quantum Optics, Quantum Information and Computation
Chengalur, J. N.	Radio Astronomy, Galaxies
Chidambaram, R.	High Pressure Physics, Neutron Crystallography, Materials Science and Nuclear Technology
Chitre, S. M.	Solar Physics, Relativistic Astrophysics and Gravitational Lenses
Chopra, Kasturi Lal	Physics & Technology of Thin Films, Nanomaterials, Surface Science and Photovoltaics
Choudhury, Debajyoti	High Energy Physics, Cosmology
Chowdhury, Debashish	Statistical Physics, Condensed Matter Physics and Biological Physics
Cowsik, Ramanath	Astrophysics, Non-Accelerator Particle Physics and Experimental Gravitation
Dabholkar, A. S.	Quantum Gravity, Superstring Theory and Black Holes
Das, Amita	Plasma Physics, Turbulence, Electron Magnetohydrodynamics
Das, Shankar Prasad	Condensed Matter Theory, Statistical Physics and Complex Systems
Das, Sumit Ranjan	String Theory, Quantum Aspects of Black Holes and Gauge Theories
Dasannacharya, B. A.	Neutron & X-ray Spectrometry and Condensed Matter Physics
Dasgupta, Chandan	Theoretical Condensed Matter Physics and Statistical Physics
Dattagupta, Sushanta	Condensed Matter Physics and Non-Equilibrium Statistical Mechanics
Deepak Kumar	Condensed Matter Physics, Quantum Mechanics and Statistical Mechanics
Dev, Bhupendra Nath	Surface & Nanoscale Physics, X-ray Physics and Ion-Solid Interactions
Dhar, Abhishek	Statistical Physics, Condensed Matter Physics

Dhar, Deepak	Statistical Physics and Stochastic Processes
Dhurandhar, S. V.	Gravitational Waves, General Relativity and Theoretical Astrophysics
Dighe, Amol	High Energy Physics, Phenomenology, Astroparticle Physics
Ganguli, Som Nath	High Energy Particle Physics
Gavai, R. V.	High Energy Physics, Quantum Field Theory, Lattice Field Theories, Quark-Gluon Plasma, and Relativistic Heavy Ion Collisions and Early Universe
Ghosh, Aswini	Condensed Matter & Materials Physics, Disorder & Nanomaterials, Structure, Relaxation Dynamics & Scaling, Broadband Dielectric Spectroscopy
Ghosh, Swarna Kanti	Infrared Astronomy, Interstellar Medium and Astronomical Instrumentation
Godbole, R. M.	Elementary Particle Physics, Field Theory and Phenomenology
Godwal, B. K.	High Pressure Physics, Electron States and Dense Plasma Physics
Gopakumar, R.	Theoretical Physics, Quantum Field Theory and String Theory
Gopal Krishna	Astronomy, Active Galaxies and Observational Cosmology
Grover, Arun Kumar	Magnetism & Superconductivity, Zero-Magnetization Systems and Applications in Spintronics, Vortex State Studies in Superconductors and Strongly Correlated Systems
Gupta, Laxmi Chand	Superconductivity & Magnetism in Quaternary Borocarbides and other Rare Earth based Materials, Nuclear/Magnetic Quadrupole Resonance Studies, Phenomena of Mixed Valance & Heavy Fermions
Gupta, Pradeep Kumar	Lasers, Biomedical Applications of Lasers, Nonlinear Optics, Laser Materials
Gupta, Sourendu	Particle Physics, Lattice Field Theory
Gupta, Yashwant	Astronomy & Astrophysics, Radio Astronomy Instrumentation and Signal Processing
Gurtu, Atul	Experimental High Energy Physics
Hariharan, P.	Optics
Jain, Sanjay	Mathematical Modelling of Complex Systems, Structure, Dynamics and Evolution of Biological & Social Networks, Computational & Systems Biology
Jayannavar, A. M.	Condensed Matter Physics, Stochastic Processes & their Applications to Physical Problems, Classical & Quantum Transport Problems in Random Media and Physics of Mesoscopic Systems
Jayaraman, Aiyasami	High Pressure Physics
Jha, S. S.	Solid State Theory, Quantum Computing and Photonics
Jog, Chanda J.	Galactic Dynamics, Interacting & Star Burst Galaxies and Interstellar Molecular Clouds
John, P. I.	Plasma Physics, Intense Particle Beams and Industrial Applications of Plasma
Joshi, S. K.	Solid State Physics and Atomic & Molecular Collisions
Joshipura, A. S.	Theoretical High Energy Physics
Kailas, S.	Nuclear Optical Model, Giant Resonances, Heavy-Ion induced Fission/Fusion and Accelerator-based Multidisciplinary Science

Kanhere, D. G.	Condensed Matter Theory, Computational Physics, Strongly Correlated Systems and Density Functional Theory
Kapoor, S. S.	Nuclear Physics, Nuclear Radiation Detectors, Accelerator-based Research and Development & Applications in Nuclear Energy
Kaul, Romesh Kumar	Particle Physics, Quantum Field Theory and Quantum Gravity
Kaul, S. N.	Condensed Matter Physics, Phase Transitions & Critical Phenomena, Disordered Systems Percolation and Magnetism & Magnetic Materials, Physics at Nanometer Length Scale
Kaw, P. K.	Plasma Physics
Kembhavi, A. K.	High Energy Astrophysics, Active Galactic Nuclei, External Galaxies, Virtual Observatory
Khare, A. V.	High Energy & Elementary Particle Physics, Supersymmetric Quantum Mechanics and Nonlinear Dynamics
Krishna, P.	Crystallography, Imperfection in Solids, Education and Science & Society
Krishna Swamy, K. S.	Astrophysics
Krishnakumar, E.	Atomic Collision Processes, Molecular dynamics and Electron Control Chemistry
Krishnamurthy, H. R.	Condensed Matter Physics, Statistical Physics and Quantum Many-Body Theory
Kulkarni, P. V.	Atmospheric Optics, Aeronomy and Infrared Astronomy
Kulkarni, Sulabha K.	Surface Physics, Materials Science and Nanoscience
Kumar, G. Ravindra	Interaction of Intense Light Pulses with Matter, High Energy Density Science, Nonlinear Optics
Kumar, N.	Condensed Matter Physics, Stochastic Transport Processes & Statistical Physics, High Temperature Superconductivity and Localization in Disordered Systems
Lakshmanan, M.	Nonlinear Dynamics, Theoretical Physics and Mathematical Physics
Madhusudana, N. V.	Liquid Crystals
Mahajan, K. K.	Atmospheric & Space Science, Ionosphere and Planetary Atmospheres
Maharana, J.	String Theory, Field Theory and Quantum Gravity
Maiti, K.	Correlated Electron Systems, Magnetism & Superconductivity, Electron Spectroscopy
Malik, Satish Kumar	Rare Earth Magnetism, Superconductivity and Strongly Correlated Electron Systems
Mande, C.	X-ray Spectroscopy and Solid State Physics
Mani, H. S.	Elementary Particle Physics
Mantravadi, M. V.	Optics and Optical Engineering
Mathews, P. M.	Geoastronomy & Geodynamics, Quantum Theory of Particles & Fields, Statistical Mechanics and Mathematical Methods
Mathur, Deepak	Atomic, Molecular & Optical Physics, Intense & Ultrafast Lasers, Molecular Dynamics and Biological Physics
Mehta, C. L.	Quantum & Statistical Optics and Mathematical Physics
Menon, M. G. K.	Cosmic Rays, Particle Physics
Menon, T. K.	Astrophysics
Minwalla, Shiraz	String Theory, Gravity, Quantum Field Theory
Mitra, Asoke Nath	Theoretical, Nuclear & Quark Physics

Mondal, Naba Kumar	Experimental Particle Physics, Accelerator-based Particle Physics and Neutrino Physics
Mukhi, Sunil	String Theory, Quantum Gravity, Supersymmetry
Mukunda, N.	Theoretical Particle Physics, Mathematical Physics, Mechanics and Theoretical Optics
Murthy, M. V. N.	Particle Physics, Phenomenology, Quantum Statistics and Semiclassical Methods
Nagarajan, R.	Superconductivity, Magnetism, Mossbauer Spectroscopy, Instrumentation, Cryogenics and Heavy Fermion Behaviour
Narasimham, V. S.	Cosmic Ray Physics and Particle Physics
Narayan, K. S.	Organic/Polymer Electronics, Device Physics, Soft Matter Physics
Narayanamurti, V.	Solid State, Nanoscience, Electronic Materials, Science Policy
Narlikar, A. V.	Superconductivity, Low Temperature Physics and STM & Related Techniques
Narlikar, J. V.	Cosmology, General Relativity and Gravitation
Nayak, Tapan K.	Nuclear & High Energy Physics Experiment, QCD Phase Transition & Quark, Gluon Plasma, Phases of Nuclear Matter
Nityananda, R.	Optics, Image Processing, Statistical Methods in Physics & Astronomy
Ogale, S. B.	Nanoscience & Nanotechnology, Metal Oxide Thin Films and Heterostructures, Spintronics, Dye Sensitised Solar Cells, Solar Water Splitting, Functional Carbon for Charge Storage
Padmanabhan, T.	Gravitation, Quantum Theory, Cosmology and Structure Formation
Pal, Amlan Jyoti	Organic Electronics, Nanophotovoltaics, Device Physics, Nanomaterials
Pal, M. K.	Nuclear Physics
Pal, Yash	Physics, Astrophysics, Space Technology and Communications
Panchapakesan, N.	General Relativity, Cosmology and Astro-Particle Physics
Pandey, D.	Condensed Matter Physics, Materials Science, Crystallography, Structural Phase Transitions and Ferroics & Multiferroics
Pandit, Rahul	Statistical Mechanics of Phase Transitions, Condensed Matter Theory, Spatiotemporal Chaos, Turbulence in Fluids, Plasmas and Mathematical Models for Cardiac Tissue
Pandita, Pran Nath	Theoretical High Energy Physics and Astroparticle Physics
Pandya, S. P.	Nuclear Physics
Pasupathy, J.	Theoretical Physics
Pathak, K. N.	Condensed Matter Physics
Pati, Arun K.	Quantum Information Theory, Quantum Computing, Foundations of Quantum Theory
Porsezian, K.	Solitons, Modulational Instability, Nonlinear Fibre Optics, Partial Differential Equations
Pradhan, T.	Elementary Particles & High Energy Physics, Plasma Physics and Atomic Physics
Puri, Sanjay	Statistical Physics, Condensed Matter Physics and Nonlinear Dynamics

Raghunathan, V. A.	Soft Matter Physics and Scattering Techniques
Rai Choudhuri, Arnab	Theoretical Astrophysics, Magnetohydrodynamics and Solar Physics
Rai Choudhury, Sudhendu	Particle Physics
Raja Gopal, E. S.	Solid State Physics, Statistical Physics and Instrumentation
Rajaraman, R.	Theories of Elementary Particles, Quantum Field Theory & Many-Body Theory, Nuclear Disarmament, Military & Civilian Nuclear Policy
Rajasekaran, G.	Quantum Field Theory and High Energy Physics
Ram Sagar	Astronomy & Astrophysics and High Energy Physics
Ramachandran, R.	Particle Physics
Ramakrishnan, Srinivasan	Low Temperature Physics
Ramakrishnan, T. V.	Condensed Matter Physics and Statistical Mechanics
Ramamurthy, V. S.	Nuclear Physics, Applications of Low Energy Accelerators
Ramaswamy, M. K.	Nuclear Physics, Positron Annihilation, Logistics and Computer Systems Quality & Security
Ramaswamy, Sriram R.	Nonequilibrium, Soft-Matter & Biological Physics
Ramdas, A. K.	Condensed Matter Physics, Semiconductor Physics, Optical Phenomena and Solid State Spectroscopy
Ranganath, G. S.	Liquid Crystals and Optics
Rao, A. Raghurama	X-ray Astronomy, X-ray Instrumentation, High Energy Astrophysics
Rao, Aroor Pramesh	Sun & Solar Wind, Wave Propagation in Random Media, Aperture Synthesis and Radio Imaging
Rao, Madan	Nonequilibrium Statistical Mechanics, Soft Condensed Matter Physics, Biological Physics
Rao, U. R.	Cosmic Rays, Space Physics, Space Technology, Space Applications, Space Science, Avionics, Electronics, Interplanetary Physics, Satellite & Rocket Technology, High Energy Astronomy
Ravindran, V.	Perturbative Quantum Chromodynamics
Raychaudhuri, Amitava	Particle Physics
Raychaudhuri, Arup K.	Nanosciences & Technology, Experimental Solid State & Low Temperature Physics and Instrumentation Development
Rindani, S D	Particle Physics
Roy, A P	Condensed Matter Physics
Roy, Durga Prasad	Particle Physics, Astroparticle Physics
Roy, Probir	Particle & Astroparticle Physics: Field Theory and Phenomenology
Roy, Shasanka Mohan	Quantum Information and Foundations of Quantum Theory
Saha-Dasgupta, Tanusri	Condensed Matter Physics, Computational Materials Science, Electronic Structure Calculations
Sahni, V. B.	General Relativity & Gravitation, Cosmology: Dark Matter & Dark Energy, Formation of Galaxies, Superclusters & Voids, Cosmic Microwave Background and extra dimensions
Sami, Mohammad	Cosmology, Higher Dimensional Gravity, High Energy Physics
Sampathkumaran, E. V.	Magnetism, Superconductivity, Geometrical Frustration

Sanyal, M. K.	Condensed Matter Physics, Surface Physics, Nanomaterial, Synchrotron X-ray Scattering, Electronic Transport in Nano-Structured-Materials
Sarkar, Utpal	Particle & Astroparticle Physics
Sastry, Srikanth	Statistical Mechanics, Liquids and Glass Transition
Satya Prakash	Planetary, Atmospheric and Space Plasmas
Sen, Abhijit	Plasma Physics, Nonlinear Dynamics and Free Electron Lasers
Sen, Ashoke	Superstring Theory
Sen, Diptiman	Theoretical Condensed Matter Physics and Quantum Field Theory
Sengupta, K.	Condensed Matter Theory
Sengupta, Surajit	Condensed Matter Physics, Statistical Mechanics and Materials Science
Sharma, Surinder M.	Condensed Matter Physics under High Pressures, Synchrotron Beamlines, Molecular Dynamics and First Principles Calculations
Shashidhar, R.	Liquid Crystals & Display Devices, Molecular & Organic Electronics, Nanoelectronics and Nanomaterials
Shastri, B. S.	Strongly Correlated Fermi Systems, Quantum Integrable Systems
Shenoy, S. R.	Condensed Matter Physics and Statistical Physics
Shenoy, V. B.	Condensed Matter Theory, Strongly-correlated Systems, Cold Atom Physics
Sikka, S. K.	High Pressure Physics, X-ray & Neutron Diffraction, Band Theory and Nuclear Explosions
Simon, R.	Quantum & Classical Optics, Quantum Information Theory and Foundations of Quantum Theory
Singh, K. P.	X-ray Instrumentation for Astronomy, Active Galactic Nuclei and Cataclysmic Variables, Stellar Coronae, Hot Interstellar & Intracluster Media and Supernova Remnants
Singh, Virendra	Theoretical Physics, Quantum Mechanics and History & Philosophy of Science
Singh, Yashwant	Condensed Matter Physics, Statistical Mechanics and Polymers
Sinha, B. C.	Nuclear Physics, High Energy Physics, Quark Gluon Plasma, Early Universe Cosmology, Nuclear Medicine, Helium from Thermal Springs
Sinha, K. P.	Solid State Physics, Complex Systems, Non-Equilibrium Quantum Coupling, Low-energy Nuclear Reactions & Condensed Matter Nuclear Science
Sinha, Sudeshna	Nonlinear Dynamics, Chaos, Complex Systems
Sood, A. K.	Raman Spectroscopy, High Pressure and Physics of Soft Condensed Matter
Souradeep, Tarun	Cosmology, High Energy Physics, Early Universe
Sreekantan, B. V.	Cosmic Rays and High Energy Physics
Srianand, R.	QSO Spectroscopy, Cosmology and Structure Formation
Srinivasan, G.	Condensed Matter Physics and Astrophysics
Srinivasan, Ramaswami	Lattice Dynamics, Cryogenics and Laser Cooling of Atoms

Subrahmanya, C. R.	Real Time Signal Processing for Radio Telescopes, Observational Cosmology, Satellite Orbit Estimation
Subramanian, K.	Cosmic Magnetic Fields, Structure Formation, Cosmology
Subramanyam, S. V.	Condensed Matter Physics, Low Temperature Physics, High Pressure Physics, Carbon Films and Conducting Polymers
Sudarshan, E. C. G.	Group Representations, Quantum Optics, Elementary Particle Physics, Quantum Field Theory, Quantum Computing & Statistical Mechanics
Sundar, C. S.	Condensed Matter Physics, Materials Science, Experimental Techniques of Positron Annihilation Spectroscopy and Infrared Spectroscopy
Swarup, Govind	Radio Astronomy
Tandon, S. N.	Cosmic Rays, Infra-Red Astronomy, Ultraviolet Astronomy and Instrumentation for Astronomy & Space Astronomy
Trivedi, S. Parimal	String Theory, Particle Physics and Quantum Field Theory
Udgaonkar, B. M.	Theoretical Particle Physics
Varma, R. K.	Plasma Physics & Astrophysics, Foundations of Quantum Mechanics and Classical Quantum Relationship
Venkataraman, G.	Condensed Matter Physics and Parallel Computers
Vijayaraghavan, R.	Solid State Physics, Magnetic Resonance, Materials Science and Superconductive Electronics
Vishveshwara, C. V.	General Relativity, Relativistic Astrophysics and Cosmology
Wadia, S. R.	Quantum Field Theory, String Theory and Quantum Gravity
Waghmare, U. V.	Multi-functional Oxide Materials, Nanostructures & their Properties, and Applications of Geometric Phases in Materials Science
Warke, C. S.	Theoretical Nuclear Physics

PLANT SCIENCES

Total Fellows: 57

Name	Specialisation
Abrol, Yash Pal	Agriculture, Crop Physiology, Climate Variability and Environmental Issues
Agrawal, Hari Om	Virology, Microbiology, Environmental Sciences and Biotechnology
Arunachalam, V.	Quantitative & Population Genetics, Plant Breeding, Biodiversity (Participatory Plant Breeding)
Babu, C. R.	Biosystematics, Ecology and Population Genetics
Bhatia, Chittranjan	Plant Genetics, Plant Breeding and Biotechnology
Chattoo, B. B.	Biotechnology, Microbial & Molecular Genetics, Genome Analysis, Bioprocess Development
Chattopadhyay, Debasis	Abiotic Stress of Plants, Plant Virology, Genome Sequencing
Chattopadhyay, Joydev	Mathematical Modelling on Ecology & Epidemiology and Eco-epidemiology
Chattopadhyay, Sudip	Plant Molecular Biology and Signal Transduction
Chopra, Virender Lal	Genetics & Crop Improvement and Plant Biotechnology

Dasgupta, Indranil	Molecular Plant-Virus Interactions, Transgenic Viral Resistance in Plants, Genome Organisation in Plant Viruses
Ganeshaiah, K. N.	Plant Evolutionary Biology, Plant Genetics & Breeding, Foraging Ecology of Ants and Biodiversity & Conservation
Grover, Anil	Plant Abiotic Stress Responses, Plant Biotechnology, Molecular Biology and Crop Sciences
Gupta, Pushpendra K.	Cytogenetics, Genetics & Plant Breeding and Crop Biotechnology
Jain, H. K.	Genetics and Plant Breeding
Kempanna, C.	Genetics and Plant Breeding
Khurana, J. P.	Photoperception & Signal Transduction in Plants, Structural & Functional Genomics and Plant Hormone Action
Khurana, Paramjit	Plant Biotechnology, Comparative Plant Genomics, Molecular Basis of Plant Differentiation & Morphogenesis
Khush, G. S.	Plant Genetics & Breeding and Biotechnology
Kohli, R. K.	Experimental Ecology, Weed Science, Plantation Forestry and Urban Forestry
Kumar, H. D.	Algology, Microbial Biotechnology, Genetics, Ecology and Environment
Kumar, M. Udaya	Molecular Basis of Stress Resistance, Physiology of Water Use Efficiency in Plants and Canopy Photosynthesis
Lahiri Majumder, A. N.	Plant Biochemistry and Molecular Biology
Maheshwari, S. C.	Physiology & Biochemistry of Plant Growth & Development and Plant Molecular Biology
Meher-Homji, V. M.	Plant Ecology, Plant Geography and Bio-Climatology
Mohan Ram, H. Y.	Plant Growth & Development and Economic Botany
Mukherjee, Sunil Kumar	Molecular Biology, Extra Chromosomal DNA Replication and Viral Pathogenesis & RNAi
Pental, Deepak	Transgenic Crops and Breeding of Oilseed Mustard
Raghavendra, A. S.	Plant Physiology/Biochemistry, Photosynthesis and Signal Transduction
Ramakrishnan, P. S.	Socio-ecology, Environment and Sustainable Development
Rangaswamy, N. S.	Reproductive Physiology of Seed Plants, Plant Tissue Culture and Biotechnology
Rao, R. R.	Plant Taxonomy, Ethnobotany, Phytogeography and Biodiversity & Conservation
Reddy, A. Ramachandra	Genetics, Plant Molecular Genetics and Plant Genomics
Sane, P. V.	Plant Biochemistry, Photosynthesis and Plant Molecular Biology
Sanjappa, M.	Plant Taxonomy and Conservation
Sankara Rao, K.	Plant Developmental Biology, Biotechnology & Systematics
Santhanam, V.	Plant Breeding & Genetics, Research Management and Cotton Development
Sethunathan, N.	Environmental Microbiology
Sharma, Arun Kumar	Cytogenetics, Cytochemistry and Cell Biology
Shastry, S. V. S.	Cytogenetics, Taxonomy, Plant Breeding and Rice Development

Shetty, H. Shekar	Seed Biology, Seed Pathology & Technology, Molecular Plant Pathology and Biotechnological Approach to Plant Disease Management
Shivanna, K. R.	Pollen Biology, Reproductive Ecology and Conservation Biology
Siddiqi, Imran	Genetics, Plant Development, Genetic Recombination
Singh, Jamuna Sharan	Plant Ecology, Ecosystems Analysis and Eco-Physiology
Singh, Randhir	Plant Biochemistry and Biotechnology
Sonti, R. V.	Plant-Microbe Interactions, Plant Genetics and Bacterial Genetics
Sopory, S. K.	Molecular Plant Physiology and Plant Tissue Culture & Transformation
Subrahmanyam, N. C.	Genetics, Plant Molecular Biology and Biotechnology
Subramanian, C. V.	Mycology, Plant Pathology and Evolution
Subramanian, D.	Plant Physiology & Pathology, Biochemistry and Microbiology
Swaminathan, M. S.	Genetics, Cytogenetics and Plant Breeding
Tuli, Rakesh	Plant & Microbial Biotechnology, Genetic Engineering and Molecular Biology, Secondary Metabolism, Food & Nutrition Biotechnology
Tuteja, Narendra	Molecular Biology, DNA Replication, Plant Abiotic Stress Tolerance, Signal Transduction and Tissue Culture & Plant Transformation, Calcium-powered Forisomes
Tyagi, Akhilesh K.	Genomics, Regulation Biology and Biotechnology
Uma Shaanker, R.	Plant Evolutionary Biology, Conservation Genetics, Bio-prospecting
Veluthambi, K.	Plant Genetic Engineering, Plant Biotechnology and Plant Molecular Biology
Vijayraghavan, Usha	Plant Developmental Genetics, Microbial Genetics and Gene Regulation

**FELLOWS AND HONORARY FELLOWS
DECEASED IN 2012**

FELLOWS

1. Abhyankar, Shreeram Shankar
2. Bhattacharyya, Jagdish Chandra
3. Daruwalla, Erach Hormasji
4. Doraiswamy, Lakshmangudi Krishnamurthy
5. Krishnamachari, Samavedam Laxmi Narasimha Gopala
6. Krishnamurthy, Edayathumangalam Venkatarama
7. Lakhanpal, Rajendra Nath
8. Lal, Devendra
9. Nagaraju, Javaregowda
10. Nayar, Bala Krishnan
11. Rindani, Tansukh Harshadray
12. Sri Niwas
13. Srikrishna, A (died Jan. 20, 2013)
14. Srinath, Laxmipuram Srinivasachar
15. Vardya, Mahendra Singh (died Jan. 20, 2013)

HONORARY FELLOWS

1. Staab, Heinz A

FELLOWS DECEASED SINCE 1934

	Born	Elected	Deceased
1. Abhyankar, K.D.	June 21, 1928	1974	Nov. 8, 2007
2. Abhyankar, S.S.	June 22, 1930	1988	Nov. 2, 2012
3. Abraham, A.	May 25, 1914	1957	May 20, 1994
4. Abraham, K.P.	Aug. 28, 1920	1975	Dec. 23, 2011
5. Acharya, C.N.		1936	
6. Adiga, P.R.	May 05, 1935	1982	Sep. 13, 2006
7. Adyalkar, P.G.	Dec. 3, 1927	1974	Nov. 13, 2007
8. Agnihothrudu, V.	May 15, 1930	1967	Apr. 5, 1999
9. Ahmad, F.	Jan. 4, 1916	1974	Mar. 23, 1996
10. Aiyar, R. Gopala	Jan. 20, 1887	1934*	Jan. 18, 1971
11. Ali, Salim	Nov. 12, 1896	1975	June 20, 1987
12. Alikunhi, K.H.	May 27, 1918	1969	Sep. 26, 2010
13. Ambasankaran, C.	Aug. 22, 1923	1973	Aug. 20, 1990
14. Anand, B.K.	Sep. 19, 1917	1975	Apr. 2, 2007
15. Anand Kumar, T.C.	June 18, 1936	1981	Jan. 26, 2010
16. Ananthakrishnan, R.	Apr. 11, 1911	1938	July 21, 1998
17. Ananthakrishnan, S.V.	Oct. 4, 1908	1939	Jan. 17, 1989
18. Ananthanarayanan, L.K.	Dec. 17, 1916	1967	1978
19. Anantharamaiah, K.R.	Sep. 2, 1952	1994	Oct. 29, 2001
20. Anantharaman, T R	Nov. 25, 1927	1964	June 19, 2009
21. Anguli, V.C.	Oct. 25, 1919	1962	July 22, 2000
22. Anil Kumar	Apr. 10, 1951	1995	Nov. 2, 2002
23. Appajee, Y.	Mar. 25, 1904	1939	Aug. 5, 1984
24. Asana, J.J.	July 30, 1890	1934*	Dec. 16, 1954
25. Asthana, R.P.	Feb. 20, 1906	1945	1965
26. Asundi, M.K.	May 1, 1930	1975	Dec. 1, 2003
27. Asundi, R.K.	Aug. 14, 1895	1935 [†]	Feb. 2, 1982
28. Authikesavalu, M.	Aug. 16, 1906	1948	Sep. 22, 1973
29. Awasthi, D.D.	Aug. 01, 1922	1978	Aug. 21, 2011
30. Awati, P.R.	Dec. 18, 1887	1935 [†]	Feb. 16, 1966
31. Ayer, A. Ananthanarayana		1951	Dec. 9, 1971
32. Ayyangar, G.N. Rangaswami	May 19, 1887	1934 [†]	Nov. 17, 1968
33. Ayyangar, N.N.		1935 [†]	Nov. 22, 1940
34. Ayyar, H. Subramonia	1892	1942	Feb. 28, 1961
35. Ayyar, P. Ramaswami	Dec. 21, 1889	1936	Mar. 9, 1966
36. Ayyar, T.V. Ramakrishna	1880	1934 [†]	Feb. 13, 1952
37. Ayyar, V. Ramanatha	Oct. 17, 1892	1935 [†]	June 13, 1984

*Was one of the first 65 Fellows who founded the Academy.

[†]A "Foundation Fellow" (so designated according to the Statutes of the Academy in 1934) i.e., those who joined as Fellows till July 1935.

	Born	Elected	Deceased
38. Baba, C.V.K.	Oct. 2, 1937	1977	Dec. 5, 2006
39. Bachhawat, B.K.	Aug. 16, 1925	1974	Sep. 23, 1996
40. Badami, J.S.	Dec. 25, 1908	1934*	Jan. 13, 2000
41. Bagchee, K.	Jan. 19, 1898	1935 [†]	Jan. 6, 1973
42. Bahadur, R.R.	Apr. 30, 1924	1975	June 7, 1997
43. Bal, D.V.	Aug. 25, 1905	1934, 1943	Apr. 1, 1999
44. Baliah, V.	Aug. 15, 1917	1974	Sep. 26, 2000
45. Banerjee, D.K.	Jan. 16, 1912	1957	June 10, 1993
46. Banerjee, I.	May 27, 1898	1949	Jan. 31, 1971
47. Banerjee, K.	Sep. 15, 1900	1941	Apr. 30, 1975
48. Banerjee, M.K.	1931	1977	Feb. 18, 2006
49. Banerji, S.K.	Apr. 27, 1893	1934*	Aug. 10, 1966
50. Bappu, M.K.V.	Aug. 10, 1927	1960	Aug. 19, 1982
51. Bardhan, P.N.		1965	Aug. 12, 1966
52. Barnabas, J.	Oct. 12, 1929	1976	July 30, 1994
53. Barnard, T.W.		1934*	
54. Basu, S.	Jan. 2, 1922	1974	Oct. 5, 1992
55. Bhabha, H.J.	Oct. 30, 1909	1941	Jan. 24, 1966
56. Bhaduri, A.N.	Nov. 12, 1935	1989	June 5, 2003
57. Bhagavantam, S.	Oct. 14, 1909	1934*	Feb. 6, 1989
58. Bhagwat, W.V.	Oct. 10, 1906	1945	Jan. 28, 2000
59. Bhakuni, Vinod	May 24, 1962	2004	July 15, 2011
60. Bhalerao, G.D.	Dec. 10, 1897	1937	Dec. 6, 1948
61. Bharadwaja, Y.	Aug. 13, 1895	1935 [†]	Mar. 25, 1963
62. Bhargava, B.N.	Dec. 25, 1919	1974	Aug. 3, 2009
63. Bharucha, F.R.	May 4, 1904	1938	Mar. 30, 1981
64. Bhat, J.V.	Mar. 3, 1913	1957	Dec. 21, 1985
65. Bhatia, B.L.	Aug. 14, 1884	1935 [†]	July 15, 1941
66. Bhatia, S.L.	Aug. 5, 1891	1934*	July 16, 1981
67. Bhatnagar, P.L.	Aug. 8, 1912	1956	Oct. 5, 1976
68. Bhatnagar, S.S.	Feb. 21, 1894	1934 [†]	Jan. 1, 1955
69. Bhattacharya, D.R.	Jan. 18, 1888	1940	Aug. 26, 1956
70. Bhattacharyya, J.C.	Sep. 1, 1930	1979	June 4, 2012
71. Bhattacharyya, P.K.	Oct. 22, 1921	1976	Apr. 16, 1996
72. Bhatti, H.K.	Feb. 7, 1895	1940	Dec. 14, 1980
73. Bhide, V.G.	Aug. 08, 1925	1974	June 25, 2006
74. Bhimachar, B.S.	July 7, 1906	1951	Jan. 11, 1979
75. Biswas, A.B.	Jan. 12, 1917	1974	Oct. 23, 1979
76. Biswas, S.N.	May 1, 1926	1974	Jan. 3, 2005
77. Biswas, Sukumar	Jul. 1, 1924	1976	Nov. 16, 2009
78. Bor, N.L.	May 2, 1893	1942	Dec. 22, 1972
79. Bose, M.K.	Sep. 1, 1933	1981	Oct. 1, 2009
80. Bose, M.N.	Mar. 23, 1925	1982	Apr. 27, 2011
81. Brahm, Prakash	Aug. 21, 1912	1972	Jan. 3, 1984

	Born	Elected	Deceased
82. Brahmayya Sastry, P.	May 24, 1913	1978	May 28, 1993
83. Burley, G.W.		1935	
84. Burma, D.P.	Feb. 1, 1925	1976	Feb. 4, 2005
85. Chakko, K.C.		1934 [†]	
86. Chakravarthy, S.N.	1903	1934*	Aug. 28, 1945
87. Chakravarti, S.P.	Nov. 3, 1904	1943	July 15, 1981
88. Chandraratna, M.F.		1951	1959
89. Chandrasekaran, C.	Oct. 30, 1911	1945	Jan. 4, 2000
90. Chandrasekhar, Sivaramakrishna	Aug. 6, 1930	1962	Mar. 8, 2004
91. Chandrasekhar, S.	Oct. 19, 1910	1934*	Aug. 21, 1995
92. Chandrasekharan, V.	Nov. 12, 1925	1973	Sep. 5, 2003
93. Chandrashekar, M.K.	Jan. 4, 1937	1983	July, 2, 2009
94. Chandu, Jacob	Jan. 23, 1910	1961	June 23, 2007
95. Chariar, V.R.	May 1903	1949	July 31, 1996
96. Chatterjee, Asima	Sep. 23, 1917	1975	Nov. 22, 2006
97. Chaudhuri, H.	July 28, 1895	1934 [†]	Aug. 19, 1945
98. Chauhan, B.S.	May 2, 1915	1952	Feb. 4, 2007
99. Cheema, G.S.		1934*	Jan. 2, 1972
100. Cherian, M.C.		1937	
101. Chhuttani, P.N.	Feb. 26, 1915	1973	July 19, 1996
102. Chopra, I.C.	Jan. 8, 1911	1962	Oct. 18, 1996
103. Chopra, N.N.		1945	
104. Chowla, Sarvadaman	Aug. 22, 1907	1934*	Dec. 10, 1995
105. Cipriani, L.	1892	1935 [†]	Oct. 1962
106. Correia, A.C.G.	Aug. 22, 1888	1935 [†]	
107. Damodaran, M.	Oct. 18, 1903	1934 [†] , 1942	Dec. 1957
108. Daniel, R.R.	Aug. 11, 1923	1966	Mar. 27, 2005
109. Daruwalla, E.H.	Oct. 24, 1923	1974	Mar. 17, 2012
110. Das, J.	Sep. 13, 1939	1988	July 26, 1998
111. Das, M.R.	July 2, 1937	1985	Apr. 1, 2003
112. Das, Prosad K.	May 20, 1926	1975	Jan. 14, 2011
113. Das Gupta, M.K.	Sep. 1, 1923	1990	Nov. 28, 2005
114. Das-Gupta, S.N.	Nov. 4, 1902	1935 [†]	Sep. 11, 1990
115. Dastur, J.F.	Sep. 10, 1886	1934 [†]	May 11, 1971
116. Datta, Asoke Gopal	Jan. 20, 1928	1979	Dec. 9, 2005
117. Datta, Bhaskar	July 1, 1949	1995	Dec. 3, 1999
118. David, Joy C.	May 3, 1927	1982	Apr. 20, 2004
119. Davis, T.A.	Feb. 9, 1923	1979	Nov. 10, 1989
120. de Mello, I.F.	May 17, 1887	1934*	Jan. 9, 1955
121. Deodikar, G.B.	Nov. 15, 1915	1974	Mar. 13, 1986
122. Desai, B.N.	July 3, 1901	1934 [†]	June 23, 1978
123. Desai, R.D.	May 4, 1897	1939	Nov. 16, 1991

	Born	Elected	Deceased
124. Desai, S.V.	Jan 28, 1900	1935 [†]	1984
125. Deshpande, D.L.	Sep. 2, 1909	1945	Apr. 5, 1961
126. Desikachary, T.V.	Sep. 18, 1919	1957	Nov. 4, 2005
127. Devadatta, S.C.		1936	
128. Devaprabhakara, D.	Nov. 13, 1932	1976	Jan. 12, 1978
129. Dhar, M.L.	Oct. 29, 1914	1975	Jan. 20, 2002
130. Dhar, S.C.		1935 [†]	Oct. 30, 1947
131. Dharmatti, S.S.	May 8, 1911	1960	May 2, 1965
132. Dhawan, S.	Sep. 25, 1920	1970	Jan. 3, 2002
133. Divatia, A.S.	Feb. 17, 1927	1975	Jan. 7, 1993
134. Dixit, K.R.	Oct. 6, 1909	1939	Dec. 1977
135. Doraiswamy, L.K.	May 13, 1927	1974	June 2, 2012
136. Dorasami, L.S.		1947	
137. Doss, K.S.G.	Aug. 10, 1906	1935 [†]	Oct. 18, 1989
138. Dube, G.P.	May 1, 1914	1950	Jan. 17, 1973
139. Dutt, N.L.	1900	1935 [†]	Feb. 6, 1960
140. Dutt, S.	Dec. 13, 1898	1939	Dec. 17, 1992
141. Dutta, P.C.	Mar. 11, 1912	1975	June 13, 1983
142. Ekambaram, T.		1934 [*]	
143. Forbes, S.G.		1937	
144. Foster, R.B.		1934 [†]	
145. Ganapathi, K.	Aug. 18, 1911	1951	Oct. 15, 2004
146. Ganapati, P.N.	July 15, 1910	1955	Jan. 5, 1984
147. Ganatra, R.D.	Oct. 14, 1928	1975	Apr. 2, 1999
148. Ganesan, A.S.	May 27, 1900	1934 [*]	Jan. 2, 1986
149. Ganguly, A.K.	Nov. 1, 1918	1977	Jan. 17, 1988
150. Ghatage, V.M.	Oct. 24, 1908	1945	Dec. 6, 1991
151. Ghatak, U.R.	Feb. 26, 1931	1976	June 18, 2005
152. Ghose, R.L.M.	July 1903	1952	1995
153. Ghose, S.L.	Dec. 13, 1893	1936	Mar. 24, 1945
154. Ghosh, A.	Jan. 20, 1927	1982	Sep. 29, 2003
155. Ghosh, P.N.	Feb. 11, 1884	1934 [*]	Dec. 23, 1946
156. Ghosh, Subir Kumar	Mar. 1, 1932	1989	Oct. 30, 2008
157. Giri, K.V.	Feb. 10, 1907	1941	July 17, 1958
158. Gnanamuthu, C.P.	Apr. 29, 1901	1952	Mar. 18, 1969
159. Goel, Parmatma S.	July 6, 1930	1977	Aug. 9, 2004
160. Gogate, D.V.	Jan. 23, 1903	1942	Jan. 11, 1984
161. Gopal-Ayengar, A.R.	Jan. 1, 1909	1952, 1965	Sep. 8, 1992
162. Gopala Rao, R.V.	Dec. 3, 1927	1977	Sep. 3, 2010
163. Gopalakrishna, A.	Oct. 20, 1922	1974	Sep. 20, 2008
164. Govinda Rao, N.S.	Feb. 6, 1907	1952	Dec. 22, 1995
165. Govindachari, T.R.	July 30, 1915	1951	Dec. 28, 2001
166. Govindaswamy, M.V.	Nov. 21, 1904	1947	Apr. 7, 1961
167. Grewal, Ripdaman Singh	Dec. 3, 1922	1975	Apr. 13, 2009

	Born	Elected	Deceased
168. Guha, P.C.	Feb. 15, 1894	1936	Nov. 6, 1962
169. Guha-Mukherjee, S.	July 13, 1938	1988	Sep. 15, 2007
170. Gunjekar, K.R.	Mar. 8, 1894	1935 [†]	Feb. 11, 1990
171. Hamied, K.A.	Oct. 31, 1898	1945	June 23, 1972
172. Harish-Chandra	Oct. 11, 1923	1975	Oct. 16, 1983
173. Hasan, K.H.		1934 [†]	
174. Hattiangdi, G.S.	Dec. 15, 1921	1963	May 16, 2003
175. Hill, A.R. Berkeley	Dec. 22, 1879	1934*	Aug. 16, 1944
176. Howard, H.C.	Oct. 5, 1883	1934 [†]	
177. Huzurbazar, V.S.	Sep. 15, 1919	1961	Nov. 15, 1991
178. Ishaq, M.	Apr. 1, 1901	1941	Mar. 22, 1960
179. Iyengar, B.N.		1935 [†]	
180. Iyengar, K.R.K.		1934 [†]	July 20, 1947
181. Iyengar, K.S. Kuppuswamy	Aug. 29, 1899	1934 [†]	June 23, 1944
182. Iyengar, M.O. Parthasarathy	Dec. 15, 1886	1934*	Dec. 10, 1963
183. Iyengar, N.K.	July 29, 1910	1955	Nov. 29, 1970
184. Iyengar, P.K.	June 29, 1931	1969	Dec. 21, 2011
185. Iyer, K.S. Padmanabha		1934 [†]	
186. Iyer, L.K. Ananthakrishna	1861	1934*	Feb. 26, 1937
187. Iyer, M.P. Venkatarama	1902	1935 [†]	Apr. 27, 1936
188. Jadhav, G.V.	Apr. 12, 1900	1953	Mar. 10, 1980
189. Janaki Ammal, E.K.	Nov. 4, 1897	1935 [†] , 1953	Feb. 7, 1984
190. Jayaraman, N.	Feb. 12, 1911	1955	Mar. 13, 1971
191. Jhala, H.I.	Jan. 13, 1919	1968	Aug. 29, 1984
192. John, C.C.		1934 [†]	
193. Jones, S.	Aug. 27, 1910	1957	Feb. 26, 1999
194. Joshi, Atmaram Bhairav	Nov. 17, 1916	1975	July 3, 2010
195. Joshi, A.C.	Sep. 18, 1908	1936	Feb. 14, 1971
196. Joshi, S.S.	Oct. 16, 1898	1934*	July 25, 1984
197. Jussawalla, D.J.	Apr. 13, 1915	1975	Jan. 29, 1999
198. Kadam, B.S.	Oct. 25, 1903	1945	July 24, 1985
199. Kalamkar, R.J.	Aug. 28, 1903	1936	May 24, 1974
200. Kalbag, S.S.	Oct. 23, 1928	1974	July 30, 2003
201. Kalyanasundaram, R.	Feb. 20, 1930	1969	Apr. 11, 1980
202. Kamesam, S.		1934*, 1938	1953
203. Kane, G.P.	Mar. 2, 1911	1943	June 25, 1991
204. Kanga, D.D.	Nov. 25, 1879	1934 [†]	Jan. 1955
205. Kanungo, M.S.	Apr. 1, 1927	1975	July 26, 2011
206. Kapahi, V.K.	Jan. 21, 1944	1987	Mar. 16, 1999
207. Kapoor, Lachman Das	Sep. 27, 1916	1963	Apr. 16, 2002
208. Kappanna, A.N.	Aug. 3, 1900	1934 [†]	
209. Kapur, J.N.	Sep. 7, 1923	1965	Sep. 4, 2002
210. Kapur, R.L.	July 07, 1938	1977	Nov. 24, 2006
211. Kapur, S.N.	Aug. 20, 1895	1934 [†]	Jan. 10, 1972

	Born	Elected	Deceased
212. Karandikar, K.R.	Mar. 17, 1902	1948	
213. Kartha, G.	Jan. 26, 1927	1974	June 18, 1984
214. Karve, D.D.	July 13, 1899	1943	July 5, 1980
215. Kashyap, S.R.	Nov. 6, 1882	1934	Nov. 26, 1934
216. Kedharnath, S.	Oct. 10, 1921	1984	Dec. 6, 2004
217. Kelkar, P.K.	June 1, 1909	1974	Oct. 23, 1990
218. Khanna, K.L.		1936	Aug. 1, 1976
219. Khanolkar, V.R.	Apr. 13, 1895	1934*	Oct. 29, 1978
220. Khoshoo, T.N.	Apr. 7, 1927	1961	June 11, 2002
221. Kilpady, Sripad Rao	Nov. 13, 1906	1953	Dec. 19, 2008
222. King, C.A.		1934 [†]	May 19, 1936
223. Kini, M.G.	Aug. 5, 1893	1941	Aug. 22, 1952
224. Kishore, K.	Dec. 31, 1942	1991	Mar. 2, 1999
225. Kondal Rao, N.	July 15, 1924	1975	Oct. 22, 2008
226. Kosambi, D.D.	July 31, 1907	1935 [†]	June 29, 1966
227. Koteswaram, P.	Mar. 25, 1915	1974	Jan. 11, 1997
228. Kothari, D.S.	July 6, 1906	1975	Feb. 4, 1993
229. Krishna, M.G.	July 18, 1922	1974	June 5, 1978
230. Krishna, Sri	July 6, 1896	1934 [†]	Oct. 3, 1984
231. Krishna Rao, G.S.	Oct. 26, 1926	1987	Dec. 16, 2008
232. Krishna Rao, P.R.	July 25, 1906	1940	Nov. 7, 1985
233. Krishnamachari, S.L.N.G.	Sep. 20, 1928	1975	Feb. 6, 2012
234. Krishnamurthy, E.V.	June 18, 1934	1972	Oct. 26, 2012
235. Krishnamurti, D.	Mar. 30, 1929	1958	May 14, 2003
236. Krishnamurti, K.	Nov. 2, 1902	1934 [†]	Dec. 8, 1988
237. Krishnamurti, P.	Jan. 22, 1903	1934*	Mar. 14, 1966
238. Krishnamurthy, L.S.		1937	
239. Krishna Murti, C.R.	Mar. 3, 1923	1974	June 30, 1990
240. Krishna Murty, K.	Nov. 13, 1926	1981	May 10, 2001
241. Krishnan, K.S.	Dec. 4, 1898	1934*	June 14, 1961
242. Krishnan, K.V.	July 4, 1896	1934 [†]	Mar. 30, 1978
243. Krishnan, M.S.	Aug. 24, 1898	1934*	Apr. 24, 1970
244. Krishnan, R.S.	Sep. 23, 1911	1944	Oct. 2, 1999
245. Krishnaswami, K.R.	Aug. 14, 1898	1934*	June 28, 1964
246. Krishnaswamy, S.	Feb. 15, 1926	1961	Nov. 20, 1988
247. Kumar, L.S.S.	June 4, 1903	1940	Nov. 20, 1985
248. Kumaraswamy, P.	Oct. 4, 1930	1972	Mar. 9, 1988
249. Kundu, D.N.	Jan. 4, 1916	1975	Dec. 11, 1999
250. Kuriyan, K.I.	Oct. 4, 1903	1943	Aug. 16, 1972
251. Kutumbiah, P.	Nov. 22, 1892	1941	1976
252. Laddha, G.S.	Aug. 26, 1922	1974	Sep. 30, 2010
253. Lakhanpal, R.N.	Aug. 5, 1923	1976	Jan. 19, 2012
254. Lal, B.B.	Aug. 4, 1913	1948	June 2, 2000
255. Lal, Devendra	Feb. 14, 1929	1965	Dec. 1, 2012

	Born	Elected	Deceased
256. Lal, M.B.	Jan. 31, 1907	1942	Dec. 5, 2002
257. Lal, Shankar	June 25, 1923	1974	Sep. 25, 1991
258. Lala, Anil Kumar	Jan. 13, 1950	1993	July 18, 2004
259. Lele, S.H.		1936	
260. Likhite, V.N.	1896	1936	Apr. 1, 1990
261. Luthar, I.S.	Mar. 31, 1932	1977	Dec. 7, 2006
262. Madhava, K.B.	Mar. 13, 1895	1934 [†]	Apr. 26, 1984
263. Madhavarao, B.S.	May 29, 1900	1936	June 10, 1987
264. Mahabale, T.S.	Oct. 19, 1909	1951	July 3, 1983
265. Mahadevan, C.	May 6, 1901	1934*	Apr. 8, 1962
266. Mahadevan, P.R.	May 20, 1928	1973	Apr. 27, 2003
267. Mahajani, G.S.	Nov. 27, 1898	1935 [†]	July 26, 1984
268. Mahalanobis, P.C.	June 29, 1893	1935 [†]	June 28, 1972
269. Mahendra, B.C.	1903	1938	1995
270. Maheshwari, P.	Nov. 9, 1904	1934 [†]	May 18, 1966
271. Maitra, P.K.	Nov. 1, 1932	1975	Sep. 4, 2007
272. Maiya, B.G.	June 20, 1956	2001	Mar. 22, 2004
273. Majumdar, C.K.	Aug. 11, 1938	1976	June 20, 2000
274. Majumdar, G.P.	Feb. 18, 1894	1944	Nov. 21, 1959
275. Malhotra, D.R.	Oct. 4, 1899	1952	Nov. 1, 1983
276. Malhotra, P.K.	Apr. 20, 1935	1985	Mar. 7, 1992
277. Malhotra, S.L.	Dec. 5, 1919	1966	Sep. 10, 2004
278. Malurkar, S.L.	Aug. 15, 1903	1934 [†]	Apr. 26, 1984
279. Mani, Anna	Aug. 23, 1918	1960	Aug. 16, 2001
280. Mani, K.S.	Oct. 18, 1928	1974	Mar. 28, 2001
281. Manna, G.K.	Oct. 10, 1926	1978	Dec. 25, 2006
282. Mata Prasad	Feb. 15, 1898	1934 [†]	Jan. 28, 1979
283. Mathai, G.	Nov. 13, 1887	1934 [†]	June 25, 1947
284. Mathur, H.B.	May 27, 1928	1975	Jan. 12, 1980
285. Mathur, K.K.	July 30, 1893	1934 [†]	July 18, 1936
286. Mehrotra, R.C.	Feb. 16, 1922	1974	July 11, 2004
287. Mehta, K.C.	June 20, 1892	1935 [†]	Apr. 8, 1950
288. Mehta, M.K.	July 24, 1927	1975	June 28, 2010
289. Mehta, S.M.	May 4, 1902	1952	Mar. 29, 1970
290. Menon, K.K.G.	Sep. 19, 1927	1975	Apr. 6, 2002
291. Menon, K.N.		1940	1969
292. Menon, P.K.	Sep. 4, 1917	1975	Oct. 22, 1979
293. Menon, T. Bhaskara		1941	
294. Menon, T. Radhakrishnan	Apr. 14, 1925	1963	May 29, 2001
295. Menon, V.K. Narayana		1941	
296. Merchant, J.R.	June 14, 1922	1964	Feb. 8, 2004
297. Metcalfe, E.P.	1881	1934*	1950
298. Mirza, N.B.		1935 [†]	
299. Mishra, R.S.	Aug. 10, 1918	1966	Aug. 23, 1999

	Born	Elected	Deceased
300. Mitra, Ashesh Prosad	Feb. 21, 1927	1974	Sep. 3, 2007
301. Mitra, Sujit Kumar	Jan. 23, 1932	1990	Mar. 18, 2004
302. Moghe, M.A.	Apr. 21, 1896	1934 [†]	May 12, 1966
303. Mookherjee, A.	May 23, 1931	1990	Feb. 16, 2006
304. Moudgal, N.R.	Mar. 04, 1931	1975	May 8, 2011
305. Moudgill, K.L.		1934 [†]	
306. Mukherjee, A.S.	Oct. 1, 1935	1988	Nov. 15, 2004
307. Murthy, G.V.L.N.	Mar. 10, 1912	1944	1943
308. Murti, P.B.R.	Nov. 11, 1911	1945	Dec. 1990
309. Murty, B.R.	Apr. 4, 1928	1975	May 16, 2003
310. Murty, Y.S.	May 15, 1925	1979	Feb. 21, 1988
311. Muthuswami, T.N.	June 20, 1898	1943	Dec. 10, 1980
312. Nabar, G.M.	July 2, 1904	1949	July 20, 1986
313. Nag, Biswajit	Aug. 20, 1933	1974	Feb. 6, 2000
314. Nag, Biswaranjan	Oct. 1, 1932	1984	Apr. 6, 2004
315. Nag, Subhashis	Aug. 14, 1955	1995	Dec. 22, 1998
316. Nag, B.D. Chaudhuri	Sep. 6, 1917	1974	June 25, 2006
317. Nagappa, Y.	Oct. 2, 1907	1951	Oct. 30, 1960
318. Nagaraju, J.	Nov. 6, 1954	2003	Dec. 31, 2012
319. Nagendra Nath, N.S.	May 10, 1912	1935 [†]	Sep. 2, 1979
320. Naha, K.	Jan. 2, 1932	1983	May 24, 1996
321. Nair, Kappiareth Gopal	July 2, 1931	1981	Mar. 12, 2010
322. Nair, Narayana Balakrishnan	July 6, 1927	1977	Apr. 21, 2010
323. Nair, U. Sivaraman	Jan. 22, 1904	1944	Aug. 8, 1982
324. Nanda, K.K.	Jan. 1, 1918	1975	Dec. 13, 1983
325. Narasimham, N.A.	Aug. 15, 1922	1966	Apr. 8, 2002
326. Narasimhan, M.J.	July 1, 1891	1935 [†]	Sep. 24, 1970
327. Narasimhan, R.	Apr. 17, 1926	1966	Sep. 2, 2007
328. Narayan, A.L.	1887	1934*	Mar. 7, 1973
329. Narayana, N.	June 27, 1902	1935 [†]	Mar. 16, 1976
330. Narayanamurti, D.	Sep. 11, 1904	1939	Mar. 9, 1975
331. Narayanan, C.R.	Dec. 17, 1916	1977	Jan. 15, 1993
332. Narayanan, E.S.	Feb. 15, 1904	1953	Feb. 23, 1991
333. Narayanan, P.S.	Jan. 1, 1926	1974	Oct. 23, 1994
334. Narayanaswamy, S.	Sep. 2, 1916	1974	May 13, 1997
335. Narlikar, V.V.	Sep. 26, 1908	1935 [†]	Apr. 1, 1991
336. Nasipuri, Dhanonjoy	Apr. 1, 1925	1976	Dec. 28, 2009
337. Natarajan, C.V.	Apr. 26, 1899	1934*	Nov. 11, 1964
338. Natarajan, R.	July 9, 1930	1981	Dec. 2, 2003
339. Nayar, B.K.	Sep. 19, 1927	1975	May 12, 2012
340. Nayar, K.K.	June 12, 1920	1975	June 26, 1975
341. Nayudamma, Y.	Sep. 10, 1922	1963	June 23, 1985
342. Nazir, Ahmed	May 1, 1898	1934 [†]	Aug. 12, 1973
343. Neelakantam, K.	Dec. 18, 1911	1940	Aug. 28, 1985

	Born	Elected	Deceased
344. Newcomb, C.	1882	1935 [†]	
345. Nigam, Swami Dayal	May 7, 1924	1975	May 3, 2009
346. Nilakantan, P.	Apr. 19, 1910	1953	Apr. 18, 1964
347. Notani, N.K.	Jan. 21, 1930	1974	Apr. 18, 1994
348. Owen, M.		1934*	
349. Padmanabhan, S.Y.	Sep. 11, 1916	1970	Jan. 29, 1985
350. Paintal, A.S.	Sep. 24, 1925	1986	Dec. 21, 2004
351. Pal, B.P.	May 26, 1906	1941, 1975	Sep. 14, 1989
352. Palacios, G.	Nov. 20, 1894	1934 [†]	Apr. 3, 1967
353. Palit, S.R.	Mar. 24, 1912	1974	Sep. 13, 1981
354. Pancharatnam, S.	Feb. 9, 1934	1959	May 28, 1969
355. Pandalai, K.A.V.	Feb. 16, 1928	1974	May 20, 1999
356. Pandit, L.K.	June 28, 1932	1976	May 23, 2006
357. Pandit, S.R.	1893	1934 [†]	Dec. 23, 1977
358. Pandya, K.C.	Aug. 24, 1886	1934 [†]	Oct. 14, 1958
359. Panikkar, N.K.	May 17, 1913	1945	June 24, 1977
360. Panse, V.G.	Jan. 11, 1906	1947	July 22, 1969
361. Pant, Devi Datt	Aug. 14, 1919	1970	June 11, 2008
362. Pant, Divya Darshan	Oct. 18, 1919	1968	May 9, 2001
363. Paramasivan, S.	1903	1939	May 15, 1987
364. Parameswaran, H.	Feb. 15, 1897	1934*	Mar. 25, 1953
365. Paranjpe, G.R.	Jan. 30, 1891	1934 [†]	Mar. 7, 1981
366. Parija, P.	Apr. 1, 1891	1935 [†]	June 2, 1978
367. Patel, A.R.	May 12, 1917	1975	Dec. 3, 2000
368. Patel, C.C.	Mar. 17, 1920	1975	Dec. 15, 1987
369. Patel, J.C.	Aug. 2, 1908	1956	May 11, 2003
370. Patel, J.S.	Dec. 11, 1905	1934 [†]	Apr. 20, 1992
371. Patel, M.K.	Nov. 6, 1899	1948	
372. Patodi, V.K.	Mar. 12, 1945	1975	Dec. 21, 1976
373. Paul, R.C.	Oct. 20, 1919	1974	Feb. 16, 2002
374. Peacock, D.H.	Dec. 1889	1934 [†]	
375. Peters, B.	Dec. 22, 1910	1954	Feb. 2, 1993
376. Pichamuthu, C.S.	Mar. 10, 1900	1941	Aug. 18, 1990
377. Pisharoty, P.R.	Feb. 10, 1909	1957	Sep. 24, 2002
378. Pradhan, S.K.	Sep. 6, 1929	1986	May 23, 2002
379. Prasad, M.R.N.	May 1, 1923	1975	Oct. 7, 1987
380. Prasad, R. Raghu	Dec. 17, 1920	1958	July 20, 1994
381. Puntambekar, S.V.	July 17, 1898	1948	May 6, 1969
382. Puri, G.S.	Aug. 18, 1915	1960	Apr. 18, 1995
383. Puri, V.	Dec. 10, 1909	1945	Oct. 9, 2002
384. Racine, C.J.	July 22, 1897	1975	July 8, 1976
385. Radhakrishna, B.P.	Apr. 30, 1918	1956	Jan. 26, 2012
386. Radhakrishnan, A.N.	May 17, 1927	1974	June 17, 1990
387. Radhakrishnan, V.	May 18, 1929	1968	Mar. 03, 2011

	Born	Elected	Deceased
388. Raghavan, T.S.	Sep. 29, 1905	1939	Jan. 30, 1986
389. Raj, Mahindra	Feb. 15, 1925	1974	Feb. 16, 1995
390. Rajagopal, C.T.	Sep. 8, 1903	1975	Apr. 25, 1978
391. Rajasekarasetty, M.R.	Oct. 16, 1919	1975	July 3, 1982
392. Ram, Behari	Apr. 25, 1897	1940	Dec. 14, 1981
393. Rama Das, V.S.	Feb. 5, 1933	1975	Dec. 9, 2010
394. Rama Rao, L.	Mar. 23, 1896	1934*	Nov. 11, 1974
395. Rama Swamy, S.	Sep. 23, 1907	1935 [†]	Mar. 30, 1984
396. Ramachandra, K.	Aug. 18, 1933	1975	Jan. 17, 2011
397. Ramachandra Rao, B.	Nov. 21, 1922	1974	Sep. 24, 2005
398. Ramachandra Row, L.	Dec. 14, 1916	1974	Sep. 22, 1991
399. Ramachandran, G.N.	Oct. 8, 1922	1950	Apr. 7, 2001
400. Ramachandran, L.K.	Mar. 28, 1928	1974	Aug. 11, 1988
401. Ramakrishna, B.S.	Oct. 17, 1921	1975	Feb. 12, 2011
402. Ramakrishnan, Alladi	Aug. 9, 1923	1955	June 8, 2008
403. Ramakrishnan, K.	Nov. 22, 1920	1970	Mar. 26, 1978
404. Ramakrishnan, T.	Mar. 14, 1922	1974	Feb. 15, 2008
405. Ramakrishnan, T.S.	Aug. 25, 1899	1949	Dec. 2, 1971
406. Ramalingaswami, V.	Aug. 8, 1921	1974	May 28, 2001
407. Ramamurthi, B.	Jan. 30, 1922	1972	Dec. 13, 2003
408. Raman, C.V.	Nov. 7, 1888	1934*	Nov. 21, 1970
409. Ramanathan, A.	Aug. 29, 1946	1991	Mar. 12, 1993
410. Ramanathan, Kalpathy G.	Mar. 1, 1923	1956	Aug. 20, 2003
411. Ramanathan, Kalpathy R.	Feb. 28, 1893	1934*	Dec. 31, 1984
412. Ramanathan, Kollagunta G.	Nov. 13, 1920	1974	May 10, 1992
413. Ramanathan, Kumbakonam V.	July 17, 1926	1975	Mar. 8, 2007
414. Ramanna, Raja	Jan. 28, 1925	1966	Sep. 24, 2004
415. Ramanujam, C.P.	Jan. 9, 1938	1974	Oct. 27, 1974
416. Ramanujam, S.	Oct. 2, 1903	1941	June 9, 1979
417. Ramanujan, S.G.M.	Aug. 26, 1893	1934*	May 1982
418. Ramaseshan, S.	Oct. 10, 1923	1955	Dec. 29, 2003
419. Ramaswamy, C.	Aug. 20, 1907	1939	Aug. 17, 1991
420. Ramaswamy, E.K.	Feb. 12, 1894	1939	Apr. 22, 1979
421. Ramaswamy, G.S.	Oct. 3, 1923	1974	Mar. 9, 2002
422. Ramaswamy, K.L.		1944	
423. Ramaswamy, M.N.	Nov. 26, 1905	1936	Jan. 27, 1966
424. Ramaswamy, V.		1944	
425. Ramdas, L.A.	June 3, 1900	1934*	Jan. 1, 1979
426. Ramiah, K.	Apr. 15, 1882	1934*	Aug. 2, 1988
427. Ramiah, P.V.		1935 [†]	
428. Rana, K.N.J.B.		1943	
429. Randhawa, M.S.	Feb. 2, 1909	1937	Mar. 3, 1986
430. Ranganathan, Darshan	June 4, 1941	1991	June 4, 2001
431. Ranganathan, S.		1935 [†]	

	Born	Elected	Deceased
432. Rangarajan, S.K.	Sep. 09, 1932	1974	Apr. 29, 2008
433. Rangaswami, G.	May 10, 1925	1960	Sep. 7, 2005
434. Rangaswami, S.	June 15, 1912	1943	Nov. 24, 2000
435. Rao, A. Nagaraja	Nov. 15, 1906	1935 [†]	
436. Rao, A. Narasinga	Dec. 12, 1893	1934 [†]	July 2, 1967
437. Rao, A. Sambasiva	Sep. 20, 1914	1974	Oct. 31, 2003
438. Rao, B. Rama	Nov. 20, 1891	1935 [†]	Feb. 15, 1970
439. Rao, B.K. Narayana		1934*	
440. Rao, B.N. Balakrishna	Jan. 21, 1910	1945	Mar. 7, 1995
441. Rao, Basrur Sanjiva	Feb. 23, 1895	1934*	Mar. 3, 1975
442. Rao, Bijoor Sanjiva	Feb. 23, 1896	1936	
443. Rao, C.R. Narayana	Aug. 15, 1882	1934*	Jan. 2, 1960
444. Rao, C.V. Hanumantha	Oct. 29, 1892	1934 [†]	Sep. 2, 1947
445. Rao, D.M.	July 4, 1932	1974	Dec. 29, 2010
446. Rao, H. Srinivasa	July 16, 1894	1934 [†]	July 14, 1971
447. Rao, K. Ananda	Sep. 21, 1893	1934 [†]	Jan. 22, 1966
448. Rao, K. Nagabhushana	Sep. 13, 1913	1961	Jan. 1, 1991
449. Rao, K. Pampapathi	Mar. 9, 1930	1971	June 23, 1973
450. Rao, K. Rangadhama	1898	1935 [†] , 1957	1970
451. Rao, K. Raghavendra	May 7, 1936	1986	Dec. 2, 2008
452. Rao, K.A. Narain		1936	
453. Rao, L. Narayana		1944	1973
454. Rao, M.A. Narayana		1939	
455. Rao, M.B. Ramachandra	Aug. 5, 1906	1957	Sep. 4, 1992
456. Rao, M.R. Aswathanarayana	Nov. 7, 1910	1956	May 24, 1992
457. Rao, M.R. Raghavendra	May 25, 1924	1978	June 9, 1992
458. Rao, M.V. Radhakrishna	Nov. 1, 1903	1950	Oct. 26, 1971
459. Rao, N.V. Subba	Nov. 8, 1916	1958	1976
460. Rao, P. Krishna	June 15, 1899	1939	May 20, 1978
461. Rao, P. Ramachandra	Mar. 20, 1942	1985	Jan. 10, 2010
462. Rao, P. Suryaprakasa	Sep. 1, 1914	1943	Jan. 9, 2002
463. Rao, S. Raghavender		1952	1954
464. Rao, S. Ramachandra	May 15, 1899	1934*	Feb. 28, 1983
465. Rao, S. Subba	June 18, 1883	1934*	Jan. 2, 1955
466. Rao, S.N. Gundu	Nov. 26, 1909	1955	Sep. 7, 1985
467. Rao, S.S. Moorthy	1899	1940	1983
468. Rao, V. Prabhaker	Aug. 22, 1910	1959	Dec. 19, 1983
469. Rao, Y. Ramachandra	Sep. 11, 1885	1935 [†]	June 1, 1972
470. Rau, A. Subba	Feb. 1890	1936	
471. Rau, M.A. Govinda	Aug. 26, 1901	1934*	Nov. 19, 1954
472. Raychaudhuri, Amal Kumar	Nov. 1, 1923	1982	June 18, 2005
473. Raymont, J.E.G.	Apr. 6, 1915	1967	Aug. 30, 1979
474. Reddy, A.K.N.	Oct. 21, 1930	1974	May 7, 2006
475. Rindani, T.H.	Apr. 17, 1917	1960	Oct. 24, 2012

	Born	Elected	Deceased
476. Rode, K.P.	Nov. 8, 1903	1944	Dec. 2, 1985
477. Rodrigues, Veronica F	Mar. 31, 1953	1995	Nov. 10, 2010
478. Rodriguez, Placid	Oct. 5, 1940	1993	Aug. 31, 2008
479. Row, R.	Nov. 16, 1871	1934*	Nov. 14, 1953
480. Roy, P.R.	July 21, 1936	1983	Apr. 21, 1991
481. Roy, S.C.	Mar. 1, 1899	1936	Dec. 9, 1970
482. Roy, S.K.	Jan. 1, 1895	1934 [†]	July 16, 1959
483. Royds, T.	Apr. 11, 1884	1934 [†]	May 1, 1955
484. Rudra, J.J.		1934*	
485. Sabnis, T.S.		1935 [†]	1958
486. Sachdev, P.L.	Jan. 6, 1937	1984	Feb. 14, 2009
487. Sadasivan, T.S.	May 22, 1913	1945	Aug. 18, 2001
488. Sadhale, P.P.	June 16, 1960	2009	Jan. 20, 2012
489. Saha, A.K.	May 25, 1925	1975	Apr. 27, 1997
490. Sahasrabuddhe, D.L.	Sep. 1, 1880	1934 [†]	1953
491. Sahni, J.C.		1938	1954
492. Sahni, Birbal	Nov. 14, 1891	1934 [†]	Apr. 10, 1949
493. Sahni, M.R.	Mar. 1, 1899	1934 [†]	Jan. 13, 1983
494. Sahni, R.R.	Apr. 5, 1863	1934 [†]	1948
495. Salaskar, V.H.	Apr. 6, 1912	1974	Sep. 8, 1997
496. Saldanha, C.J.	Dec. 27, 1926	1980	Apr. 7, 2002
497. Sampathkumaran, M.A.	July 15, 1882	1934*	Dec. 15, 1944
498. Samuel, G.	May 26, 1898	1942	1975
499. Samuel, R.		1934*	
500. Sankaran, C.		1940	
501. Sarabhai, Vikram A.	Aug. 12, 1919	1945	Dec. 31, 1971
502. Sarkar, S.N.	Apr. 22, 1920	1978	Sep. 10, 2004
503. Sarma, I.G.	Sep. 21, 1936	1974	Sep. 10, 1996
504. Sarma, N.V.G.	Sep. 16, 1932	1989	Dec. 5, 2008
505. Sarma, P.S.	Oct. 29, 1917	1952	Sep. 8, 1970
506. Sastri, B.N.		1934*	
507. Sastry, S.G.	Nov. 1899	1934*	Sep. 22, 1955
508. Satya Murthy, N.S.	Feb. 5, 1936	1975	Oct. 8, 1984
509. Satya Nand, D.	Nov. 1, 1906	1964	Jan. 28, 1978
510. Satya Prakash	Aug. 24, 1905	1939	Jan. 18, 1995
511. Savoor, Sadashiva R.	May 8, 1901	1954	1981
512. Savur, Srinivasa R.	Mar. 26, 1894	1934*	May 4, 1974
513. Sawhney, K.	June 4, 1896	1935 [†]	1958
514. Sen, P.K.	Dec. 7, 1915	1958	July 22, 1982
515. Sen-Sarma, P.K.	Apr. 1, 1929	1984	July 29, 2002
516. Seshachar, B.R.	Jan. 9, 1908	1953	Jan. 25, 1994
517. Seshadri, S.N.	Mar. 15, 1937	1978	Feb. 2, 1986
518. Seshadri, T.N.	June 15, 1905	1954	Nov. 1, 1975
519. Seshadri, T.R.	Feb. 3, 1900	1934*	Sep. 27, 1975

	Born	Elected	Deceased
520. Seshaiya, R.V.	Feb. 8, 1898	1948	Feb. 28, 1973
521. Seth, B.R.	Aug. 27, 1907	1936	Dec. 12, 1979
522. Seth, J.B.	1893	1935 [†]	Feb. 1964
523. Sethi, N.K.	July 8, 1893	1935 [†]	Nov. 8, 1969
524. Sethi, Pramod Karan	Nov. 28, 1927	1989	Jan. 6, 2008
525. Sethna, H.N.	Aug. 24, 1923	1968	Sep. 5, 2010
526. Shabde, N.G.	Apr. 12, 1906	1942	1961
527. Shah, M.S.		1934 [†]	
528. Shah, N.M.		1934 [†]	
529. Shah, R.C.	Oct. 7, 1899	1934 [†]	Sep. 3, 1969
530. Shah, S.M.	Dec. 30, 1905	1951	Apr. 21, 1996
531. Shankar, Jagdish	Oct. 3, 1912	1975	Jan. 31, 1992
532. Sharma, Archana	Feb. 16, 1932	1977	Jan. 14, 2008
533. Sharma, N.L.	Nov. 12, 1901	1937	Jan. 14, 1988
534. Shastri, N.A.	June 1, 1904	1942	Jan. 2, 1995
535. Shastry, T.P. Bhaskara	Apr. 12, 1889	1934*	June 26, 1950
536. Sheth, A.R.	Aug. 5, 1933	1988	Mar. 13, 1994
537. Sheth, S.C.	Oct. 29, 1912	1965	Jan. 25, 1990
538. Shri Ranjan	Aug. 16, 1899	1935 [†]	July 8, 1969
539. Sibaiya, L.		1935 [†]	
540. Siddiqi, M.R.	Jan. 2, 1908	1934*	Jan. 2, 1998
541. Siddiqi, S.	Oct. 19, 1897	1935 [†]	Apr. 14, 1994
542. Singh, B.K.	Apr. 17, 1886	1934*	June 15, 1960
543. Singh, B.N.	Sep. 22, 1898	1934 [†]	June 7, 1984
544. Singh, Inderjit	Aug. 20, 1909	1944	June 5, 1972
545. Singh, Udai Narain	Jan. 1, 1931	1975	Dec. 31, 2006
546. Sinha, S.K.	July 18, 1934	1983	Mar. 17, 2002
547. Sirsat, S.M.	Oct. 7, 1925	1975	July 10, 2010
548. Sivan, M.R.R.		1934 [†]	
549. Sokhey, S.S.	Dec. 15, 1887	1934 [†]	Oct. 23, 1971
550. Sreenivasaiyah, B.N.	July 24, 1904	1939	Feb. 16, 1987
551. Sreenivasan, A.	July 13, 1909	1950	July 20, 1996
552. Sreenivasan, K.	July 10, 1899	1944	Aug. 17, 1992
553. Sreenivasaya, M.	Dec. 5, 1895	1934*	Jan. 16, 1969
554. Sri Niwas	July 4, 1946	1995	Nov. 15, 2012
555. Srikantiah, C.		1936	
556. Srikrishna, A.	Jan. 1, 1955	1994	Jan. 20, 2013
557. Srinath, L.S.	Mar. 15, 1927	1974	Sep. 13, 2012
558. Srinivasaiengar, C.N.	Feb. 21, 1901	1939	Sep. 21, 1972
559. Srinivasan, Ramachandran	July 5, 1933	1968	Sep. 19, 2004
560. Srinivasan, Ramanujam	Apr. 21, 1938	1979	Sep. 10, 1984
561. Srinivasan, S.K.	Dec. 16, 1930	1977	Oct. 25, 2006
562. Srinivasan, V.		1934 [†]	July 29, 1976
563. Sriramachari, S S	June 25, 1925	1967	Dec. 25, 2009

	Born	Elected	Deceased
564. Subbaramiah, K.		1939	1944
565. Subbaraya, T.S.	Oct. 10, 1905	1935 [†]	Apr. 10, 1975
566. Subramaniam, A.P.	Mar. 7, 1921	1961	Apr. 22, 1973
567. Subramaniam, M.K.	Apr. 20, 1909	1951	1974
568. Subramanian, T.S.	Sep. 24, 1911	1948	Sep. 19, 1987
569. Subramanyam, K.	Nov. 1, 1915	1959	Apr. 17, 1980
570. Subrahmanyam, R.	1919	1956	Mar. 5, 2006
571. Subrahmanyam, V.	Sep. 16, 1902	1934*	Jan. 30, 1979
572. Sukhatme, P.V.	July 27, 1911	1939	Jan. 28, 1997
573. Sundara Raj, B.	1888	1956	Jan. 22, 1974
574. Sundaram, A.K.	May 10, 1925	1965	Jan. 27, 1994
575. Sundaram, C.V.	Nov. 7, 1929	1974	Aug. 15, 2008
576. Sundaram, K.	Nov. 12, 1926	1974	May 20, 2008
577. Surange, K.R.	Feb. 7, 1920	1975	Jan. 6, 2010
578. Surjit Singh	June 12, 1940	1986	Sep. 6, 1997
579. Suryanarayanan, S.	Jan. 23, 1927	1971	Jan. 27, 1994
580. Tamhankar, R.V.	July 28, 1917	1975	June 16, 1993
581. Tandon, R.N.	Nov. 27, 1903	1958	Dec. 18, 1999
582. Tawde, N.R.	Jan. 15, 1898	1934 [†]	Dec. 25, 1984
583. Taylor, E.M.	1889	1934 [†]	
584. Taylor, H.J.	May 18, 1906	1937	May 27, 1996
585. Telang, A.V.		1934*	1965
586. Thacker, M.S.	Dec. 3, 1904	1949	July 6, 1979
587. Thakur, R.S.		1939	
588. Thapar, G.S.	Nov. 15, 1893	1934 [†]	Nov. 1984
589. Thind, K.S.	Oct. 30, 1917	1960	Dec. 3, 1991
590. Thomas, Joseph	Mar. 20, 1935	1975	Jan. 30, 2008
591. Thosar, B.V.	Apr. 3, 1913	1959	July 4, 1998
592. Tilak, B.D.	Sep. 28, 1918	1952	May 25, 1999
593. Tirumurti, T.S.	Nov. 18, 1885	1934*	Aug. 26, 1953
594. Trehan, S.K.	Apr. 4, 1931	1978	Sep. 9, 2004
595. Uppal, B.N.	June 28, 1900	1940	Nov. 22, 1989
596. Vaidhianathan, V.I.	Aug. 28, 1897	1934*	1965
597. Vaidya, P.C.	Mar. 23, 1918	1975	Mar. 12, 2010
598. Vaidyanathan, C.S.	Nov. 14, 1931	1978	Sep. 1, 1999
599. Vaidyanathan, M.		1935 [†]	
600. Vaidyanathaswamy, R.	Oct. 9, 1894	1934*	Mar. 17, 1960
601. Vakil, Kapilram	May 28, 1884	1934 [†]	Jan. 28, 1946
602. Vakil, R.J.	July 17, 1911	1943	Nov. 20, 1974
603. Vardya, M.S.	Feb 22, 1933	1972	Jan. 20, 2013
604. Varghese, T.G.	Aug. 19, 1928	1974	Nov. 14, 1977
605. Varma, R.S.	Feb. 1, 1905	1947	Mar. 31, 1970
606. Vazifdar, S.S.		1934*	
607. Varadachari, V.V.R.	July 1, 1925	1974	Aug. 4, 2007

	Born	Elected	Deceased
608. Varadarajan, M.G.	Nov. 9, 1917	1974	Oct. 5, 2004
609. Venkataraman, B.	Dec. 17, 1929	1975	Oct. 28, 2010
610. Venkataraman, G.S.	Feb. 1, 1930	1974	Oct. 3, 1998
611. Venkataraman, K.	June 7, 1901	1934 [†]	May 12, 1981
612. Venkataraman, M.	Dec. 31, 1923	1975	Nov. 18, 1990
613. Venkataraman, T.S.	June 15, 1884	1934 [†]	Jan. 18, 1963
614. Venkataraman, T.V.	1910	1957	Nov. 30, 1981
615. Venkatarayudu, T.	Oct. 10, 1910	1940	Nov. 29, 1979
616. Venkatasubramanian, V.S.	June 20, 1930	1978	July 22, 1984
617. Venkatesachar, B.	June 18, 1879	1934*	May 27, 1972
618. Venkateswaran, C.S.	1904	1944	1978
619. Venkateswaran, R.		1935 [†]	
620. Venkateswaran, S.		1934 [†]	Mar. 12, 1971
621. Venkateswarlu, J.	Mar. 21, 1912	1953	May 20, 1978
622. Venkateswarlu, K.	June 3, 1916	1958	July 2, 2005
623. Venkateswarlu, P.	Oct. 25, 1921	1957	Aug. 8, 1997
624. Venkiteshwaran, S.P.	Feb. 15, 1905	1939	Sep. 26, 1985
625. Venkoba Rao, A.	Aug. 20, 1927	1984	Oct. 25, 2005
626. Verma, Ajit Ram	Sep. 20, 1921	1974	Mar. 4, 2009
627. Vijayaraghavacharya, T.	Aug. 1875	1934*, 1943	1953
628. Vijayaraghavan, T.	Nov. 30, 1902	1934*	Apr. 20, 1955
629. Visvesvaraya, M.	Sep. 15, 1861	1934*	Apr. 14, 1962
630. Viswa Nath, B.	Jan. 1, 1889	1934*	Feb. 1, 1964
631. Viswamitra, M.A.	Nov. 14, 1932	1979	Apr. 10, 2001
632. Viswanathan, D.K.	Mar. 1, 1901	1951	Mar. 27, 1960
633. Viswanathan, K.S.	June 9, 1929	1956	July 5, 2009
634. Wadia, D.N.	Oct. 23, 1883	1935 [†]	June 15, 1969
635. Wheeler, T.S.	Apr. 30, 1899	1934*	Dec. 13, 1962
636. Wolf, Ludwig		1934 [†]	
637. Yadava, S.L.	July 5, 1953	1999	June 7, 2007

PAST FELLOW

Bhargava, P.M. (1976)

HONORARY FELLOWS DECEASED SINCE 1934

(Year of election in brackets)

- | | |
|------------------------------|------------------------------------|
| 1. Alfven, H.O.G. (1972) | 43. Domagk, Gerhard (1965) |
| 2. Anderson, B.W. (1964) | 44. Donnan, F.G. (1938) |
| 3. Anderson, J.S. (1978) | 45. Eccles, John (1968) |
| 4. Bawden, F.C. (1972) | 46. Einstein, Albert (1936) |
| 5. Belfanti, S. (1935) | 47. Engstrom, Arne (1970) |
| 6. Benzer, S. (1988) | 48. Euler-Chelpin, H. von (1952) |
| 7. Bjerknes, Jacob (1959) | 49. Fermi, Enrico (1935) |
| 8. Bjerknes, V. (1947) | 50. Fisher, Hans (1935) |
| 9. Blackett, P.M.S. (1949) | 51. Forssmann, Werner (1967) |
| 10. Blumberg, B.S. (1987) | 52. Frank, Charles (1984) |
| 11. Bohr, Niels (1935) | 53. Frey-Wyssling, A. (1960) |
| 12. Bolton, J.G. (1973) | 54. Garrett, S.D. (1973) |
| 13. Bondi, Hermann (1997) | 55. Ginzburg, V. Lasazevich (1977) |
| 14. Bonino, G.B. (1958) | 56. Granit, R.A. (1964) |
| 15. Born, Max (1937) | 57. Hadamard, Jacques (1939) |
| 16. Bose, S.N. (1973) | 58. Haddon, A.C. (1936) |
| 17. Bovet, Daniel (1967) | 59. Hahn, Otto (1958) |
| 18. Bowen, Ira S. (1956) | 60. Halle, T.G. (1947) |
| 19. Bowen, N.L. (1935) | 61. Hardy, G.H. (1935) |
| 20. Bragg, William H. (1935) | 62. Haworth, W.N. (1948) |
| 21. Bridgman, P.W. (1952) | 63. Heisenberg, Werner (1935) |
| 22. Brillouin, Leon (1939) | 64. Herzberg, Gerhard (1955) |
| 23. Broglie, L. de (1951) | 65. Hess, W.R. (1966) |
| 24. Brown, R. Hanbury (1975) | 66. Hevesy, G. (1951) |
| 25. Brumpton, Emile (1936) | 67. Heymaans, C. (1966) |
| 26. Büning, E. (1986) | 68. Heyrovsky, Jaroslav (1959) |
| 27. Cabannes, Jean (1949) | 69. Hill, A.V. (1935) |
| 28. Caspersson, T.O. (1963) | 70. Hodgkin, Alan (1975) |
| 29. Chapman, S. (1947) | 71. Hodgkin, Dorothy (1972) |
| 30. Charney, J.G. (1980) | 72. Hopkins, F. Gowland (1935) |
| 31. Cockcroft, John (1962) | 73. Houssay, Bernardo A. (1963) |
| 32. Compton, A.H. (1935) | 74. Joffe, A.F. (1959) |
| 33. Cotton, A. (1935) | 75. Joliot-Curie, Irene (1935) |
| 34. Cotton, Frank A. (1985) | 76. Kahn, Olivier (1999) |
| 35. Cousteau, J.Y. (1978) | 77. Kapitza, Peter (1948) |
| 36. Crick, Francis (1985) | 78. Karman, Theodore von (1961) |
| 37. Cushing, Harvey (1935) | 79. Karrer, P. (1947) |
| 38. Dale, Henry (1937) | 80. Kastler, Alfred (1970) |
| 39. Daly, R.A. (1952) | 81. Khorana, Har Gobind (1976) |
| 40. Dam, Henrik (1965) | 82. Kock, Winston, E. (1970) |
| 41. Debye, Peter (1938) | 83. Kohlrausch, K.W.F. (1939) |
| 42. Dirac, P.A.M. (1935) | 84. Krebs, H.A. (1969) |

85. Krogh, A. (1947)
86. Langmuir, Irving (1937)
87. Laue, Max von (1954)
88. Lawrence, E.O. (1954)
89. Leiper, R.T. (1938)
90. Levi-Civita, Tullio (1938)
91. Lewis, G.N. (1935)
92. Liepmann, H. Wolfgang (1985)
93. Lorenz, E.N. (1981)
94. Lundsgaard, Einar (1966)
95. Lwoff, Andre (1969)
96. Lynen, F. (1968)
97. Mark, H.F. (1949)
98. Mecke, Reinhard (1957)
99. Medawar, P. (1968)
100. Meyer, Kurt H. (1952)
101. Millikan, R.A. (1935)
102. Mizushima, S. (1961)
103. Morgan, T.H. (1939)
104. Muller, Paul H. (1965)
105. Mulliken, R.S. (1969)
106. Neuweiler, G. (1992)
107. Niggli, P. (1937)
108. Oda, Minoru (1995)
109. Paschen, Friedrich (1935)
110. Pauli, Wolfgang (1948)
111. Pauling, Linus (1949)
112. Pavlov, I.P. (1935)
113. Pitzer, K.S. (1986)
114. Plyler, Earle K. (1962)
115. Pontecorvo, G. (1984)
116. Porter, Lord (1989)
117. Reichstein, T. (1953)
118. Richardson, Owen (1935)
119. Robinson, Robert (1935)
120. Rouxel, J. (1994)
121. Roy, Rustum (1990)
122. Rudberg, Erik (1971)
123. Russell, John (1935)
124. Rutherford, Lord (1935)
125. Ruzicka, Leopold (1957)
126. Salam, Abdus (1988)
127. Segre, Emilio (1971)
128. Semenov, N.N. (1960)
129. Series, George (1984)
130. Seward, A.C. (1935)
131. Sewell, R.B. Seymour (1949)
132. Siegbahn, K.M.G. (1935)
133. Sommerfeld, Arnold (1935)
134. Spemann, Hans (1936)
135. Staab, Heinz A. (1989)
136. Staudinger, Hermann (1967)
137. Stoicheff, B.P. (1971)
138. Svedberg, Theodor (1935)
139. Szent Gyorgyi, A. (1948)
140. Szigeti, Gyorgy (1962)
141. Taylor, Geoffrey (1953)
142. Theorell, Hugo (1961)
143. Tiselius, Arne (1960)
144. Todd, Lord (1981)
145. Urey, Harold, C. (1956)
146. Van Slyke, D.D. (1935)
147. Vavilov, N.I. (1938)
148. Vavilov, Sergei (1948)
149. Vinogradov, A.P. (1975)
150. Warburg, Otto (1963)
151. Watson, D.M.S. (1939)
152. Weiland, H. (1935)
153. Willstatter, R. (1936)
154. Wood, R.W. (1937)
155. Woodward, R.B. (1964)
156. Wyckoff, R.W.G. (1955)
157. Yukawa, Hideki (1958)
158. Zeeman, P. (1935)

ASSOCIATES

This programme was initiated by the Academy in 1983 to identify and encourage promising young scientists. The Associateship is tenable for a maximum period of 5 years until the age of 35 or a minimum period of 3 years. During this period the Associates can attend meetings of the Academy and receive two of the Academy journals of their choice. They are not required to pay any dues to the Academy. The total number of Associates is limited to 100.

Nominations proposing candidates below the age of 35 years can be submitted by Fellows to reach the Academy office by 30 April. For selection to the Associateship during 2013, candidates born after 31-12-1978 are eligible to be nominated. The nomination should include four sets of: nomination form along with a brief write-up, curriculum vitae, list of publications, a brief statement highlighting the research contributions and reprints of the five most important papers of the candidate. The validity of the nomination is one year.

ASSOCIATES ON ROLL

Period

- 2012–2015 **Agarwal**, Shivani, b. 1978, Ph.D. (Illinois), Department of Computer Science & Automation, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3204, Res. (080) 4219 5473, Mobile: 99006 34111, email: shivani@csa.iisc.ernet.in, URL: <http://www.csa.iisc.ernet.in/~shivani/>, sp. machine learning; statistical learning theory.
- 2009–2013 **Ananth**, Sudarshan, b. 1978, Ph.D. (Florida), Indian Institute of Science Education & Research, Central Tower, Sai Trinity Building, Pashan-Sus Road, Pune 411 021, Tel. Off. (020) 2590 8031, Mobile: 97662 56270, Fax (020) 2586 5315, email: ananth@iiserpune.ac.in, sp. high energy physics; quantum field theory.
- 2010–2013 **Ansumali**, Santosh, b. 1977, Ph.D. (ETH Zurich), Engineering Mechanics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur P.O., Bangalore 560 064, Tel. Off. (080) 2208 2938, Res. (080) 2362 2790, Mobile: 94497 99801, Fax (080) 2208 2766, email: ansumali@jncasr.ac.in, URL: <http://www.jncasr.ac.in/ansumali/> sp. kinetic theory; mesoscale methods for fluids.

- 2010–2013 **Arun**, Sripati Panditaradhyulu, b. 1978, Ph.D. (Johns Hopkins), Centre for Neuroscience, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3436, Mobile: 94827 35484, Fax (080) 2360 3323, email: sparun@cns.iisc.ernet.in, sp. neuroscience; visual perception; object recognition.
- 2012–2016 **Beegum**, Naseema S, b. 1981, Ph.D. (Kerala), Radio & Atmospheric Sciences Division, National Physical Laboratory, Dr K.S. Krishnan Road, New Delhi 110 012, Tel. Off. (011) 4560 8265, Mobile: 96548 56784, email: naseemaspl@gmail.com, sp. remote sensing; atmospheric aerosols; climate implications.
- 2010–2013 **Bhattacharyya**, Suvendra Nath, b. 1975, Ph.D. (Jadavpur), Molecular & Human Genetics Division, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2499 5783/5832, Res. (033) 2427 9515, Mobile: 98316 33460, Fax (033) 2473 5197, email: suvendra@iicb.res.in, sp. molecular cell biology; small regulatory RNA; protein translation.
- 2009–2014 **Biswas**, Kingshook, b. 1980, Ph.D. (Paris), Department of Mathematics, Ramakrishna Mission Vivekananda University, Belur Math, Howrah 711 202, Tel. Off. (033) 2654 9999, Fax (033) 2654 4640, email: kingshook@rkmvu.ac.in; kingbiswas@gmail.com, sp. holomorphic dynamics; complex analysis; Riemann surfaces.
- 2011–2014 **Chandrasekar**, V K, b. 1978, Ph.D. (Bharathidasan), Centre for Nonlinear Dynamics, Bharathidasan University, Tiruchirappalli 620 024, Tel. Off. (0431) 240 7093, Res. (0431) 248 0045, Mobile: 99760 02559, Fax (0431) 240 7093, email: sekar@cnld.bdu.ac.in; chandru25nld@gmail.com, sp. integrable systems; synchronization in complex networks; neural networks.
- 2009–2013 **Chauhan**, Santosh, b. 1978, Ph.D. (AIIMS), Department of Cancer Biology, 7777, Knight Road, Smith Research Building, MD Anderson Cancer Center, Houston, TX 77030, USA, Tel. (+1-713) 623 1252, email: santosh78_@rediffmail.com, sp. molecular biology; mycobacterium; cancer biology.

- 2010–2015 **Datta**, Ayan, b. 1980, Ph.D. (JNCASR), Department of Spectroscopy, Indian Association for the Cultivation of Science, 2A and 2B Raja S. C. Mallick Road, Jadavpur 700 032, Tel. Off. (033) 2473 4971/2105, Mobile: 98742 95938, Fax (033) 2473 2805, email: spad@iacs.res.in, sp. theoretical chemistry; computational material science; structure-property relationships; accurate ground state & excited state properties.
- 10 2010–2013 **Datta**, Ranjan, b. 1977, Ph.D. (Cambridge), International Centre for Materials Science, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur P.O., Bangalore 560 064, Tel. Off. (080) 2208 2571, Res. (080) 2362 6974, Mobile: 98806 41954, email: ranjan@jncasr.ac.in, sp. aberration-corrected high resolution transmission electron microscopy; semiconductors for opto-electronics and spintronics.
- 2011–2014 **Dethe**, Dattatraya H, b. 1976, Ph.D. (IISc), Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 6537, Mobile: 96211 46252, Fax (0512) 259 7436, email: ddethe@iitk.ac.in, sp. bioactive natural products; new synthetic methods.
- 2010–2013 **Dey**, Abhishek, b. 1977, Ph.D. (Stanford), Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, Tel. Off. (033) 2473 4971/366, Mobile: 90517 10061, Fax (033) 2473 2805, email: icad@iacs.res.in, sp. inorganic catalysis; hydrogen evolution reaction; Raman spectroscopy; EPR and X-ray absorption.
- 2010–2013 **Ganapathy**, Rajesh, b. 1977, Ph.D. (IISc), Assistant Professor, International Centre for Materials Science, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur P.O., Bangalore 560 064, Tel. Off. (080) 2208 2572, Res. (080) 4200 6161, Mobile: 98806 71639, email: rajeshg@jncasr.ac.in, URL: <http://www.jncasr.ac.in/sml/SoftMatterLab/Home.html>, sp. soft condensed matter.
- 2011–2014 **George**, Subi Jacob, b. 1977, Ph.D. (Cochin), New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2964, Res. (080) 2369 0615, Mobile: 99167 29572, Fax (080) 2208 2766, email: george@jncasr.ac.in, URL: <http://www.jncasr.ac.in/george/>, sp. organic & supramolecular synthesis; functional organic & organic-inorganic hybrid materials.

- 2012–2015 **Ghosh**, Sujit Kumar, b. 1978, Ph.D. (IIT, Kanpur), Indian Institute of Science Education and Research, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8076, Mobile: 95525 72172, Fax (020) 2590 8186, email: sghosh@iiserpune.ac.in, URL: <http://www.iiserpune.ac.in/~sghosh/>, sp. metal-organic frameworks; functional coordination chemistry.
- 2011–2014 **Ghosh**, Zhumur, b. 1977, Ph.D. (Calcutta), COE in Bioinformatics, Bose Institute, P-1/12, CIT Scheme VII M, Kolkata 700 054, Tel. Off. (033) 2569 3329, Fax (033) 2355 3886, email: zhumur@boseinst.ernet.in; ghosh.jhumur@gmail.com, URL: <http://www.boseinst.ernet.in/zhumur/> sp. stem cells; RNA biology & gene expression; bioinformatics; systems biology.
- 2011–2014 **Govindaraju**, T, b. 1976, Ph.D. (NCL, Pune), New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560 064, Tel. Off. (080) 2208 2969, Res. (080) 2369 0609, Mobile: 94490 32969, Fax (080) 2208 2627, email: tgraju@jncasr.ac.in, URL: <http://www.jncasr.ac.in/tgraju/>, sp. organic synthesis; peptide chemistry; nucleic acid chemistry; molecular probes; bionanotechnology.
- 2011–2014 **Gudi**, Thirupathi, b. 1978, Ph.D. (IIT, Bombay), Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3208, Res. (080) 2341 3944, Mobile: 80959 52365, Fax (080) 2360 0146, email: gudi@math.iisc.ernet.in, URL: <http://math.iisc.ernet.in/~gudi/>, sp. numerical analysis; finite element methods; partial differential equations.
- 2010–2013 **Gun**, Sanoli, b. 1975, Ph.D. (HRI, Allahabad), The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600 113, Tel. Off. (044) 2254 3202, Res. (044) 2448 4044, Mobile: 94449 00254, Fax (044) 2254 1586, email: sanoli@imsc.res.in, sp. number theory; modular forms; special values of SLS-functions; transcendence.
- 2011–2014 **Harsha**, Prahladh, b. 1976, Ph.D. (MIT), School of Technology and Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400 005, Tel. Off. (022) 2278 2129, Fax (022) 2278 4611, email: prahladh@tifr.res.in, URL: <http://www.tcs.tifr.res.in/~prahladh/>, sp. theoretical computer science; computational complexity; probabilistically checkable proofs.

- 2010–2015 **Jain**, Tanvi, b. 1981, Ph.D. (IIT, Delhi), Stat-Math Unit, Indian Statistical Institute, 7, SJS Sansanwal Marg, New Delhi 110 016, Mobile: 98998 66343, email: tanvi@isid.ac.in; tvj.jain@gmail.com, sp. operator theory; noncommutative geometry; topology.
- 2012–2015 **Jeganmohan**, Masilamani, b. 1978, Ph.D. (NTHU, Taiwan), Indian Institute of Science Education and Research, Mendeleev Block, Dr Homi Bhabha Road, Pashan, Pune 411 021, Tel. Off. (020) 2590 8206, Res. (020) 2586 2205, Mobile: 91583 92179, Fax (020) 2589 9790, email: mjeganmohan@iiserpune.ac.in, URL: <http://www.iiserpune.ac.in/~mjeganmohan>, sp. organometallic chemistry; asymmetric synthesis; total synthesis.
- 2011–2014 **Kulkarni**, Amol A, b. 1976, Ph.D. (Bombay), Chemical Engineering Division, National Chemical Laboratory, Pashan, Pune 411 008, Tel. Off. (020) 2590 2153, Res. (020) 2588 4518, Mobile: 98812 35277, Fax (020) 2590 2621, email: aa.kulkarni@ncl.res.in, sp. microreactors; experimental & computational fluid dynamics; reactor design.
- 2009–2014 **Mandal**, Sumantra, b. 1979, Ph.D. (IIT, Madras), Indira Gandhi Centre for Atomic Research, Kalpakkam 603 102, Tel. Off. (044) 2748 0118, Mobile: 99945 82823, Fax (044) 2748 0075, email: sumantra.mandal@gmail.com, sp. grain-boundary engineering; thermo-mechanical processing; materials modelling.
- 2009–2014 **Manjunath**, Krishnapur, b. 1979, Ph.D. (Univ. of California, Berkeley), Department of Mathematics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3207, Fax (080) 2360 0146, email: manju@math.iisc.ernet.in, sp. probability theory; random matrices.
- 2011–2014 **Mitra**, Supriyo, b. 1976, Ph.D. (Cambridge), Department of Earth Sciences, Indian Institute of Science Education and Research, BCKV Campus, Mohanpur, Nadia 741 252, Tel. Off. 98300 13569, Res. (033) 2502 5601, Mobile: 94331 55639, Fax (033) 2587 3020, email: supriyomitra@iiserkol.ac.in, URL: <http://www.iiserkol.ac.in/~supriyomitra/>, sp. seismology; continental tectonics.

- 2010–2013 **Mukerjee**, Subroto, b. 1976, Ph.D. (Princeton), Assistant Professor, Department of Physics, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2864, email: smukerjee@physics.iisc.ernet.in, URL: <http://www.physics.iisc.ernet.in/~smukerjee/>, sp. condensed matter theory; many-body theory.
- 2012–2015 **Mukherjee**, Santanu, b. 1980, Ph.D. (Cologne), Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2850, Tel. Res. (080) 2341 3465, Mobile: 77606 35465, Fax (080) 2360 0529, email: sm@orgchem.iisc.ernet.in, URL: <http://orgchem.iisc.ernet.in/faculty/sm/SM.htm>, sp. asymmetric catalysis; synthetic methodologies; stereoselective synthesis.
- 2011–2014 **Mukhopadhyay**, Debdeep, b. 1977, Ph.D. (IIT, Kharagpur), Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur 721 302, Tel. Off. (03222) 28 2352, Res. (03222) 28 2353, Mobile: 94347 44544, Fax (03222) 27 8985, email: debdeep@cse.iitkgp.ernet.in, URL: <http://cse.iitkgp.ac.in/~debdeep>, sp. cryptography; effect of computer architecture in security; VLSI design & testing; side channel analysis of cryptographic algorithms; cellular automata.
- 30
- 2012–2015 **Nair**, Nisanth Narayanan, b. 1979, Ph.D. (Hannover), Department of Chemistry, Indian Institute of Technology, Kanpur 208 016, Tel. Off. (0512) 259 6311, Res. (0512) 259 8402, Mobile: 97956 69397, Fax (0512) 259 7436, email: nnair@iitk.ac.in, URL: <http://home.iitk.ac.in/~nnair>, sp. theoretical chemistry; molecular dynamics simulations; soft condensed matter systems.
- 2010–2015 **Nair**, Vijayakumar Sivadasan, b. 1981, Ph.D. (Kerala), Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram 695 022, Tel. Off. (0471) 256 2160, Mobile: 94956 56326, Fax (0471) 270 6535, email: vijayakumarsnair@gmail.com, sp. atmospheric aerosols; natural and anthropogenic radiative forcings; regional climate modelling; cryosphere-climate interactions.
- 2010–2013 **Nanda**, Samik, b. 1975, Ph.D. (Hyderabad), Department of Chemistry, Indian Institute of Technology, Kharagpur 721 302, Tel. Off. (03222) 28 3328, Res. (03222) 28 3329, Mobile: 97328 71270, Fax (03222) 28 2252, email: snanda@chem.iitkgp.ernet.in, sp. biocatalysis & biotransformation; asymmetric synthesis; organic chemistry.

- 2010–2013 **Natarajan**, Vijay, b. 1977, Ph.D. (Duke), Department of Computer Science & Automation, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 2909/42, Res. (080) 2351 6560, Fax (080) 2360 2911, email: vijayn@csa.iisc.ernet.in, URL: <http://www.csa.iisc.ernet.in/~vijayn>, sp. computational topology; scientific visualization; computational geometry.
- 2008–2013 **Parthasarathi**, Ramakrishnan, b. 1979, Ph.D. (Madras), Lawrence Berkeley National Laboratory (Berkeley Lab) and Sandia National Laboratories, The Joint BioEnergy Institute, 5885, Hollis St., 4th Floor, Emeryville, CA 94608, USA, Mobile: (+1-812) 340 4437, email: parthas@lbl.gov; parthasbioc@gmail.com, sp. theoretical & computational chemistry.
- 2010–2013 **Patil**, Nitin Tukaram, b. 1975, Ph.D. (Pune), Organic Chemistry Division – II, Indian Institute of Chemical Technology, Uppal Road, Hyderabad 500 607, Tel. Off. (040) 2719 1471, Res. (040) 2717 7141, Mobile: 97015 54026, email: nitin@iiict.res.in; patilnitint@yahoo.com, sp. catalytic carbophilic activation; enantioselective multiple catalysis.
- 2011–2015 **Pavan Kumar**, G V, b. 1980, Ph.D. (JNCASR, Bangalore), Department of Physics and Chemistry, Indian Institute of Science Education and Research, Dr Homi Bhabha Road, Pashan, Pune 411 008, Tel. Off. (020) 2590 8026, Fax (020) 2586 5315, email: pavan@iiserpune.ac.in, URL: <http://www.iiserpune.ac.in/~pavan/> sp. plasmonics; Raman scattering; nanophotonics.
- 2011–2014 **Priyakumar**, U Deva, b. 1977, Ph.D. (Pondicherry), Center for Computational Natural Sciences and Bioinformatics, International Institute of Information Technology, Hyderabad 500 032, Tel. Off. (040) 6653 1161, Res. (040) 6653 1938, Mobile: 94904 41430, Fax (040) 6653 1413, email: deva@iiit.ac.in, URL: <http://www.iiit.ac.in/~deva/>, sp. protein & nucleic acid simulations; protein-DNA interactions; computer-aided drug design.
- 2011–2014 **Pucadyil**, Thomas J, b. 1976, Ph.D. (Hyderabad), Indian Institute of Science Education and Research, I Floor, Central Tower, Sai Trinity Building, Pashan, Pune 411 021, Tel. Off. (020) 2590 8204, Mobile: 78756 24566, Fax (020) 2589 9790, email: pucadyil@iiserpune.ac.in, URL: <http://www.iiserpune.ac.in/~pucadyil/Home.html>, sp. vesicular transport; membrane biochemistry & biophysics.

- 2010–2013 **Ray**, Partho Sarothi, b. 1976, Ph.D. (IISc), Indian Institute of Science Education & Research, Mohanpur Campus, P.O. BCKV Campus Main Office, Mohanpur Post, Nadia 741 252, Tel. Off. (03473) 27 9130/228, Mobile: 98747 03899, email: psray@iiserkol.ac.in, sp. translation regulation; RNA-protein-miRNA interactions; inflammation and cancer; molecular evolution.
- 2012–2015 **Ray**, Supratim, b. 1979, Ph.D. (Johns Hopkins), Assistant Professor, Centre for Neuroscience, Indian Institute of Science, Bangalore 560 012, Tel. Off. (080) 2293 3437, Res. (080) 2351 5684, Mobile: 77606 64684, email: sray@cns.iisc.ernet.in, URL: <http://www.cns.iisc.ernet.in/sray/>, sp: systems neuroscience; gamma oscillations; signal processing.
- 2012–2015 **Reddy**, Maddika Subba, b. 1978, Ph.D. (Manitoba), Centre for DNA Fingerprinting & Diagnostics, Gruhakalpa, Nampally, Hyderabad 500 001, Tel. Off. (040) 2474 9353, Mobile: 99639 00011, Fax (040) 2474 9448, email: msreddy@cdfd.org.in, URL: http://cdfd.org.in/labpages/ms_reddy.html, sp. cell biology; cell signaling; protein modifications.
- 2012–2015 **Roy**, Parthanil, b. 1978, Ph.D. (Cornell), Stat-Math Unit, Indian Statistical Institute, 203, B. T. Road, Kolkata 700 108, Tel. Off. (033) 2575 2312, Res. 90621 92910, Mobile: 90387 42510, Fax (033) 2577 3071, email: parthanil@isical.ac.in, URL: <http://www.isical.ac.in/~parthanil/> sp. probability theory; stochastic processes; random fields.
- 2009–2013 **Saha**, Binoy Krishna, b. 1978, Ph.D. (Hyderabad), Assistant Professor, Department of Chemistry, Pondicherry University, Puducherry 605 014, Tel. Off. (0413) 265 4697, Mobile: 96260 82189, email: binoypu@yahoo.co.in, sp. crystal engineering.
- 2011–2014 **Saha**, Dipankar, b. 1979, Ph.D. (Michigan), Department of Electrical Engineering, Indian Institute of Technology, Powai, Mumbai 400 076, Tel. Off. (022) 2576 7443, Mobile: 98330 50927, Fax (022) 2572 3707, email: dipankarsaha@iitb.ac.in, URL: <http://www.ee.iitb.ac.in/wiki/faculty/dsaha>, sp. devices physics & nanotechnology.

- 2012–2015 **Sahu**, Kirti Chandra, b. 1978, Ph.D. (JNCASR), Department of Chemical Engineering, Indian Institute of Technology, Ordnance Factory Estate, Yeddumailaram 502 205, Tel. Off. (040) 2301 6063, Mobile: 83740 91309, Fax: (040) 2301 6032, email: ksahu@iith.ac.in, URL: <http://www.iith.ac.in/~ksahu/>, sp. fluid mechanics, transition to turbulence in shear flows; spatially developing flows in complex geometries; multiphase flows; interfacial fluid mechanics.
- 2010–2013 **Shankaranarayanan**, Subramaniam, b. 1975, Ph.D. (IUCAA, Pune), School of Physics, Indian Institute of Science Education & Research, CET Campus, Thiruvananthapuram 695 016, Tel. Off. (0471) 259 9415, Mobile: 90374 44290, Fax (0471) 259 7442, email: shanki@isertvm.ac.in, sp. black-hole physics; cosmology; classical & quantum gravity.
- 2011–2014 **Singh**, Ritesh K, b. 1977, Ph.D. (IISc), Department of Physical Sciences, Indian Institute of Science Education & Research, BCKV Campus, Mohanpur, Nadia 741 252, Mobile: 98300 80690, Fax (033) 2587 3020, email: ritesh.singh@iiserkol.ac.in; ritesh.k.singh@gmail.com, URL: <http://www.iiserkol.ac.in/~ritesh.singh/>, sp. high energy physics; collider phenomenology; spin & polarization studies.
- 2009–2013 **Singh**, Sanjay, b. 1978, Ph.D. (Georg August Univ., Goettingen, Germany), Department of Chemical Sciences, Indian Institute of Science Education & Research, Knowledge City, Sector 81, Manauli P.O., SAS Nagar 140 306, Tel. Off. (0172) 224 0266; (0172) 224 0124, Mobile: 98784 70451, Fax (0172) 224 0266, email: sanjaysingh@iisermohali.ac.in, sp. main group organometallics; inorganic synthesis & catalysis; organic & inorganic macrocycles.
- 2011–2014 **Sridhar**, Perali Ramu, b. 1977, Ph.D. (IISc), School of Chemistry, University of Hyderabad, Hyderabad 500 046, Tel. Off. (040) 6679 4823, Mobile: 94900 95646, Fax (040) 2301 2469, email: prssc@uohyd.ernet.in, URL: <http://chemistry.uohyd.ernet.in/~prs/>, sp. carbohydrate chemistry; total synthesis of natural products.
- 2011–2014 **Thampi**, Smitha V, b. 1977, Ph.D. (Kerala), Space and Atmospheric Science Division, Physical Research Laboratory, Navarangpura, Ahmedabad 380 009, Tel. Off. (079) 2631 4665, Mobile: 94084 81923, Fax (079) 2631 4659, email: smitha@prl.res.in, sp. space science; terrestrial ionosphere.

- 2011–2015 **Vineeth**, C, b. 1980, Ph.D. (Kerala), Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram 695 022, Tel. Off. (0471) 256 2381, Res. (0471) 255 1973, Mobile: 97474 61222, Fax (0471) 270 6535, email: c_vineeth@vssc.gov.in, sp. optical remote sensing of terrestrial & planetary atmospheres.
- 2010–2013 **Yadav**, Gitanjali, b. 1976, Ph.D. (Delhi), Computational Biology Laboratory, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067, Tel. Off. (011) 2673 5103, Mobile: 99111 26926, Fax (011) 2674 1658, email: gy@nipgr.res.in, sp. computational biology; plant stress biology; systems biology; network science.

ASSOCIATES SELECTED IN 2012

1. Agarwal, Shivani
2. Beegum, Naseema S.
3. Ghosh, Sujit Kumar
4. Jeganmohan, M.
5. Mukherjee, Santanu
6. Nair, Nisanth N.
7. Ray, Supratim
8. Reddy, M. Subba
9. Roy, Parthanil
10. Sahu, Kirti Chandra

FORMER ASSOCIATES

1. Agrawal, Manindra (1998–2001) (Engineering & Technology)
2. Agrawal, Uday S. (1993–1997) (Engineering & Technology)
3. Anand, Venkataramanarao Govindan (2008–2011) (Chemistry)
4. Anandavardhanan, U K (2007–2011) (Chemistry)
5. Anantharamaiah, Kuduvali Ramaswamaiah (1983–87) (Physics)
6. Antia, Hormazad Maneck (1986–90) (Physics)
7. Arora, Dilip Kumar (1985–88) (Plant Sciences)
8. Aswal, Vinod Kumar (2000–05) (Physics)
9. Athithan, Gopalasamy (1989–93) (Engineering & Technology)
10. Athreya, Siva (2002–06) (Mathematical Sciences)
11. Azmi, R.J. (1983–86) (Earth & Planetary Sciences)
12. Bagchi, Biman (1985–89) (Chemistry)
13. Balasubramanian, Ramachandran (1983–86)
(Mathematical Sciences)
14. Banerjee, Dipankar (1985–88) (Engineering & Technology)
15. Banerjee, Rahul (1996–2000) (Physics)
16. Banerjee, Rahul (2009–2012) (Chemistry)
17. Banerjee, Sunanda (1985–88) (Physics)
18. Barma, Mustansir (1983–86) (Physics)
19. Basu, Amit J. (1993–97) (Engineering & Technology)
20. Basu, Biswajit (1989–94) (Engineering & Technology)

21. Begum, Ayesha (2006–2011) (Physics)
22. Bharali, Gautam (2006–09) (Mathematical Sciences)
23. Bhat, B.V. Rajarama (1996–2001) (Mathematical Sciences)
24. Bhat, T. Balakrishna (1983–86) (Engineering & Technology)
25. Bhatt, Abhay Gopal (1996–2001) (Mathematical Sciences)
26. Bhattacharya, Dipankar (1988–93) (Physics)
27. Bhattacharya, Siddhartha (2003–06) (Mathematical Sciences)
28. Bhavesh, Neel Sarovar (2009–2012) (General Biology)
29. Biswas, Debabrata (1994–99) (Physics)
30. Chakrabarti, Sandip K. (1989–93) (Physics)
31. Chakrabarti, Subhabrata (2004–07) (Medicine)
32. Chakraborty, Partha Sarathi (2005–08) (Mathematical Sciences)
33. Chakravarty, Charusita (1995–99) (Chemistry)
34. Chand, Hum (2009–2012) (Physics)
35. Chandra, Amalendu (1994–98) (Chemistry)
36. Chandran, L. Sunil (2009–2012) (Engineering & Technology)
37. Chandrasekhar, Jayaraman (1986–89) (Chemistry)
38. Chaplot, Samrath Lal (1985–90) (Physics)
39. Chattaraj, Pratim Kumar (1990–93) (Chemistry)
40. Chatterjee, Ambar (1986–89) (Physics)
41. Chaudhuri, Probal (1994–98) (Mathematical Sciences)
42. Cherayil, Binny J. (1990–93) (Chemistry)
43. Choudhury, Debajyoti (1993–98) (Physics)
44. Chowdhury, Rukhsana (1989–93) (General Biology)
45. Dabeer, Onkar Jayant (2009–2012) (Engineering & Technology)
46. Das, Partha Pratim (1993–96) (Engineering & Technology)
47. Dasgupta, Pallab (1998–2002) (Engineering & Technology)
48. Deshpande, Avinash A. (1989–93) (Physics)
49. Desiraju, Gautam Radhakrishna (1985–88) (Chemistry)
50. Dewangan, Pawan (2009–2012) (Earth & Planetary Sciences)
51. Dhar, Abhishek (2001–05) (Physics)
52. Dhar, Deepak (1983–86) (Physics)
53. Dixit, Narendra M (2008–2011) (Engineering & Technology)
54. Gadagkar, Raghavendra (1983–88) (Animal Sciences)
55. Gadgil, Siddhartha (2003–07) (Mathematical Sciences)

56. Gadre, Shridhar Ramchandra (1983–86) (Chemistry)
57. Gaikar, Vilas G. (1992–95) (Engineering & Technology)
58. Ganesh, Krishnarajanagar Nagappa (1984–88) (Chemistry)
59. Ganguly, Gautam (1989–94) (Physics)
60. Geetha, L. (1996–99) (Animal Sciences)
61. Ghosh, Anil Kumar (2007–2010) (Mathematical Sciences)
62. Ghosh, Ashish (1997–2001) (Engineering & Technology)
63. Ghosh, Pushpito Kumar (1987–89) (Chemistry)
64. Ghosh, Saurabh (2003–06) (General Biology)
65. Ghosh, Shankar (2005–09) (Physics)
66. Ghosh, Suhrit (2009–2012) (Chemistry)
67. Godbole, Rohini Madhusudan (1985–88) (Physics)
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- (c) preparation of articles and position papers for publication, and
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1935 Mumbai	1975 Nagpur
1937 March – Bangalore	1976 Baroda
Dec. – Bangalore	1977 Kolkata
1938 Chennai	1978 Hyderabad
1939 Bangalore	1979 Chandigarh
1940 Waltair	1980 Lucknow
1941 Nagpur	1981 Thiruvananthapuram
1942 Bangalore	1982 Nainital
1943 Hyderabad	1983 Pune
1944 Pune	1985 Feb. – Bangalore
1945 Udaipur	Nov. – Madurai
1946 Allahabad	1986 Varanasi
1947 Cuttack	1987 Hyderabad
1948 Bangalore	1988 Kolkata
1949 Mumbai	1989 Bhopal
1950 Hyderabad	1990 Bhubaneswar
1951 Delhi	1991 Pune
1952 Thiruvananthapuram	1992 Ahmedabad
1953 Ahmedabad	1993 Dehra Dun
1954 Belgaum	1994 Bangalore
1955 Hyderabad	1995 Chennai
1956 Waltair	1996 Jodhpur
1957 Tirupati	1997 Hyderabad
1958 Baroda	1998 Kottayam
1959 Annamalainagar	1999 Lucknow
1960 Chennai	2000 Goa
1961 Mysore	2001 Tirupati
1962 Mumbai	2002 Chandigarh
1963 Nagpur	2003 Guwahati
1964 Pune	2004 Varanasi
1965 Hyderabad	2005 Tiruchirappalli
1966 Madurai	2006 Indore
1967 Chennai	2007 Thiruvananthapuram
1968 Ahmedabad	2008 New Delhi
1969 Aurangabad	2009 July – Hyderabad
1970 Bangalore	Nov. – Bangalore
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24th Mid-Year Meeting (Bangalore)	..	5–6 July
79th Annual Meeting (Chandigarh)	..	08–10 November

Council Meetings:

First Meeting	..	06 July
Second Meeting	..	07–08 December

Sectional Committee Meetings:

First Meeting (Bangalore)	..	07 July
Second Meeting (Bangalore)	..	02 November

LIST OF CLOSED HOLIDAYS IN 2013

01 January	..	New Year's Day
14 January	..	Makara Sankranthi
25 January	..	Id-Meelad
29 March	..	Good Friday
11 April	..	Chandramana Ugadi
09 August	..	Ramzan
15 August	..	Independence Day
09 September	..	Ganesha Chaturthi
02 October	..	Gandhi Jayanthi
14 October	..	Vijayadashami
16 October	..	Bakrid
01 November	..	Rajyotsava Day
04 November	..	Balipadyami
14 November	..	Muharram
25 December	..	Christmas

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