Year Book of The Indian National Science Academy 2019 Volume II
The Year Book
2019

Volume–II

INDIAN NATIONAL SCIENCE ACADEMY
New Delhi
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## Volume-II

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</tr>
<tr>
<td>Recipients of Medals/Lectures/Awards</td>
<td>67</td>
</tr>
</tbody>
</table>
SCIENCE PROMOTION

INSA Distinguished Professors

INSA Senior Scientist Programme

INSA Honorary Scientist Programme

Research Support for the INSA Young Scientist Medal Awardees

INSA Visiting Scientist Programme

Partial Financial Assistance for Holding National/International Conference/Seminar in India

Recipients of INSA-Research Professorship (now INSA Distinguished Professor)

Recipients of INSA Platinum Jubilee Chair

Recipients of INSA-Senior Scientist

Recipients of INSA-Honorary Scientist

THE FUNDS OF THE ACADEMY
INTRODUCTION

The Indian National Science Academy was established in January 1935 with the object of promoting science in India and harnessing scientific knowledge for the cause of humanity and national welfare. The foundation of the Academy, earlier known as the National Institute of Sciences of India (NISI), was the outcome of joint endeavours of several organizations and individuals and the Indian Science Congress Association (ISCA) playing a leading role in this regard.

Towards the end of 1930, the then Government of India wrote to various State (then provincial) Governments, Scientific Departments, Learned Societies, Universities and the ISCA seeking their opinion on the desirability of forming a National Research Council which would adhere to and cooperate with the International Research Council and its affiliated Unions. This period witnessed the visit of Sir Richard Gregor, the Editor of Nature for discussions with the Editor of Current Science for the promotion of an Indian Academy of Sciences. The proposal was considered by various eminent scientists whose views regarding the composition and functioning of such a national council were put up in the form of resolution to the ISCA during its Pune Session. A special meeting of ISCA was held in Mumbai in January 1934 to consider the scheme. In response to the plea made by the President of the ISCA, Professor MN Saha in support of an Indian Academy of Sciences on the model of the Royal Society, London, the General Committee of the ISCA unanimously accepted the proposal for the formation of a national scientific society. The Committee formed an ‘Academy Committee’, which was requested to submit a detailed report for consideration at the next session of the ISCA. The committee submitted the report in January 1935 incorporating (i) the aims and objects of the national scientific society to be formed; (ii) draft constitution; (iii) names of 125 Foundation Fellows selected by a Special Committee of Specialists; and (iv) names of 25 scientists as members of the provisional Council of Academy. The report of the Academy Committee was placed by Dr LL Fermor (President, 22nd Session, ISCA) before a Special Meeting of the Joint Committee on January 3, 1935. The recommendations of the Academy Committee were accepted by unanimous resolution by the ISCA and the foundation of the National Institute of Sciences of India as an all India body of scientists was thus laid. An inaugural meeting of the National Institute of Sciences of India (NISI) was held on January 7, 1935 under the Chairmanship of Dr JH Hutton (President, 23rd Session, ISCA) in Calcutta, and the Inaugural Address was delivered by the first President of NISI, Dr LL Fermor. The Institute, thus, started functioning with its Headquarters at the Asiatic Society of Bengal, 1 Park Street, Calcutta, from that day.

The issue of the Government recognizing the NISI as the representative body of the scientists was taken up after ten years of its foundation. After due deliberations and discussions, it decided to recognise the National Institute as the premier scientific society representing all branches of science in India in October 1945. The Headquarters moved over to Delhi in May 1946, and the Government commenced providing increased grants to meet expenses on travel, publications, research fellowships, and for allocating grants-in-aid to other scientific societies for bringing out their publications. A capital grant for the Headquarters building was also sanctioned in 1948 by the Government. The foundation stone of the building was laid by Pt Jawaharlal Nehru, the then Prime Minister of India, on April 19, 1948. The Office of the NISI moved to its present premises on Bahadur Shah Zafar Marg, New Delhi in 1951. It was designated as the adhering organization in India to the International Council for Science (ICSU) on behalf of the Government of India in January 1968.

The name of the National Institute of Sciences of India was changed to the Indian National Science Academy (INSA) in February 1970.
OBJECTIVES

(a) Promotion of scientific knowledge in India including its practical application to problems of national welfare.

(b) Coordination among Scientific Academies, Societies, Institutions, Government Scientific Departments and Services.

(c) To act as a body of scientists of eminence for the promotion and safeguarding of the interests of scientists in India and to present internationally the scientific work done in the country.

(d) To act through properly constituted National Committees, in which other learned academies and societies may be associated, for undertaking scientific work of national and international importance which the Academy may be called upon to perform by the public and by the Government.

(e) To publish such proceedings, journals, memoirs and other publications as may be found desirable.

(f) To promote and maintain liaison between Science and Humanities.

(g) To secure and manage funds and endowments for the promotion of Science.

(h) To perform all other acts that may assist in, or be necessary for the fulfillment of the above-mentioned objectives of the Academy.
## CALENDAR OF MEETINGS – 2019

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Venue</th>
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<tbody>
<tr>
<td>FEBRUARY</td>
<td></td>
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<tr>
<td>28 (Thu)</td>
<td>Meetings of Sectional Committees for Election of Fellows/National Science Day</td>
<td>INSA, New Delhi</td>
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<tr>
<td>MARCH</td>
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<tr>
<td>27 (Wed)</td>
<td>Advisory Committee for Science &amp; Society/ Publication Advisory Board/ Infrastructure and Informatics Committee</td>
<td>INSA, New Delhi</td>
</tr>
<tr>
<td>28-29 (Thu-Fri)</td>
<td>Meeting of the Indian National Commission for History of Science</td>
<td>INSA, New Delhi</td>
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<tr>
<td>APRIL</td>
<td></td>
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</tr>
<tr>
<td>24-26 (Wed-Fri)</td>
<td>Meetings of Sectional Committees for Selection of Young Scientists and Election of Fellows /Advisory Boards for INSA Awards/Council Meeting/General Body Meeting/Science Promotion Committee</td>
<td>INSA, New Delhi</td>
</tr>
<tr>
<td>JULY</td>
<td></td>
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<tr>
<td>18-19 (Thu-Fri)</td>
<td>History of Science Seminar/Meeting of the Indian National Commission for History of Science/ Science Promotion Committee</td>
<td>INSA, New Delhi</td>
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<tr>
<td>25-26 (Thu-Fri)</td>
<td>Meetings of ISC National Committees/Inter-Academy Exchange Committee/Council/ General Body/Resource Management Committee</td>
<td>INSA, New Delhi</td>
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<tr>
<td>DECEMBER</td>
<td></td>
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<tr>
<td>16-18 (Mon-Wed)</td>
<td>Seminar/Lectures Meetings of INSA Council/Anniversary General Meeting/Fellowship Induction Ceremony/INSA Young Scientists Medal Presentation/INSA Teachers Award Presentation</td>
<td>Venue to be decided</td>
</tr>
</tbody>
</table>
Other Important Dates

Last date for nominations to:

**JUNE**
17 (Mon) INSA Senior Scientists Position (2020)

**JULY**
15 (Mon) INSA Fellowship 2020

**AUGUST**
30 (Fri) Inter-Academy Exchange Programme

**OCTOBER**
15 (Tue) INSA Awards due in 2020
31 (Thu) INSA Medal for Young Scientists (2020)
COUNCIL

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Professor AK Sood (Bengaluru) (080) 2360-2238, 2293-2964 (O)

Vice-Presidents
Professor V Chandrasekhar (Hyderabad) (040) 2020-3100/2020-3101 (O)
(Science Promotion)
Professor NR Jagannathan (New Delhi) (011) 2658-8533, 2659-3253 (O),
(011) 2658-8580, 2659-4511 (R),
2658-92772 (M)
(Science Promotion)
Professor JP Khurana (New Delhi) (011) 2411-5126 (O), 2411-9090 (R),
(International Affairs)
Professor Gadadhar Misra (Bengaluru) (011) 2293-3121 (O),
(Publications/Informatics)
94-498-17021 (M)
Professor Anurag Sharma (New Delhi) (011) 2659-1350, 2659-1331 (O),
(Fellowship Affairs)
2686-7022, 2659-1929 (R)
Professor AK Singhvi (Ahmedabad) (079) 2685-5831 (R),
Science & Society
90-990-61962 (M)

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98-452-37560 (M)
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Professor PP Chakrabarti (Kharagpur) (03222) 282-002 (O), 282-003 (R)
Dr Madhu Dikshit (Faridabad) (0129) 287-6448 (O),
94-151-11766 (M)
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Professor Sourav Pal (Kolkata) (033) 6634-0012 (O), 6634-0013 (R)
Dr GP Pandey (Lucknow) (0522) 266-8985 (O),
99-701-71802 (M)
Professor KH Paranjape (Mohali) (0172) 229-3110 (O)
Professor GVR Prasad (Delhi) (011) 2766-7073 (O), 2766-2568 (R),
98-682-07140 (M)
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94-483-60274 (M)
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98-250-51578 (M)
Professor Shobhona Sharma (Navi Mumbai) (022) 2774-3426 (R),
98-923-52830 (M)
Professor Yashwant Singh *(Varanasi)* (0542) 670-1562 (O), 94-159-91459 (M)

Professor RV Sonti *(Hyderabad)* (040) 2719-2577 (O), 2715-0821 (R), 94-410-55295 (M)

Professor MG Watve *(Pune)* (020) 2590-8093 (O), 2543-1019 (R), 98-229-10198 (M)

Professor GD Yadav *(Mumbai)* (022) 3361-1111/2222, 3361-1001 (D), 3361-1010 (R), 98-330-90510 (M)

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*The Indian Science Congress Association*
Professor R Ramamurthi *(Tirupati)* (0877) 224-1907 (O), 98-494-88390 (M)

*The National Academy of Sciences *(India)**
Professor GC Mishra *(Pune)* (020) 2570-8248 (O), 2569-1064 (R)

*Government of India *(Department of Science and Technology)**
Professor V Ramgopal Rao *(New Delhi)* (011) 2659-1701 (O), 2659-1801 (R)
PAST PRESIDENTS

Sir Lewis Leigh Fermor 1935-36
Professor Meghnad Saha 1937-38
Lt Col Ram Nath Chopra 1939-40
Dr Bani Prasad 1941-42
Dr Jnan Chandra Ghosh 1943-44
Dr Darashaw Nosherwanji Wadia 1945-46
Dr Shanti Swarup Bhatnagar 1947-48
Professor Satyendra Nath Bose 1949-50
Dr Sunder Lal Hora 1951-52
Professor Kariamanikkam Srinivasa Krishnan 1953-54
Dr Amulya Chandra Ukil 1955-56
Professor Prasantha Chandra Mahalanobis 1957-58
Professor Sisir Kumar Mitra 1959-60
Dr Ajudhia Nath Khosla 1961-62
Dr Homi Jehangir Bhabha 1963-64
Professor Vasant Ramji Khanolkar 1965-66
Professor Tiruvenkata Rajendra Seshadri 1967-68
Dr Atma Ram 1969-70
Professor Bagepalli Ramachandrachar Seshachar 1971-72
Professor Daulat Singh Kothari 1973-74
Dr Benjamin Peary Pal 1975-76
Dr Raja Ramanna 1977-78
Dr Vulimiri Ramalingaswami 1979-80
Professor Mambillikalathil Govind Kumar Menon 1981-82
Professor Arun Kumar Sharma 1983-84
Professor Chintamani Nagesa Ramachandra Rao 1985-86
Professor Autar Singh Paintal 1987-88
Professor Man Mohan Sharma 1989-90
Professor Prakash Narain Tandon 1991-92
Professor Shri Krishna Joshi 1993-95
Dr Srinivasan Varadarajan 1996-98
Professor Goverdhan Mehta 1999-2001
Professor Marthanda Varma Sankaran Valiathan 2002-04
Dr Raghunath Anant Mashelkar 2005-07
Professor Mamannamana Vijayan 2008-10
Professor Krishan Lal 2011-13
Professor Raghavendra Gadagkar 2014-16
<table>
<thead>
<tr>
<th>RECENT PAST VICE-PRESIDENTS</th>
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<tbody>
<tr>
<td>Professor Arumugham Gnanam</td>
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<td>Professor Goverdhan Mehta</td>
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<td>Professor Marthanda Varma Sankaran Valiathan</td>
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<tr>
<td>Professor Dipankar Chakravorty</td>
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<tr>
<td>Professor Sushanta Dattagupta</td>
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<tr>
<td>Professor Maroli Krishnayya Chandrashekaran</td>
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<tr>
<td>Professor Ramesh Chand Mahajan</td>
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<tr>
<td>Professor Janardan Nanda</td>
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<tr>
<td>Dr Harsh Kumar Gupta</td>
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<tr>
<td>Professor Varadachari Krishnan</td>
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<tr>
<td>Professor Chhitar Mal Gupta</td>
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<tr>
<td>Professor Tiruppattur Venkatachalamurthi Ramakrishnan</td>
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<tr>
<td>Professor Mohammad Shamim Jairajpuri</td>
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<td>Professor Samir Bhattacharya</td>
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<td>Dr Inder Pal Abrol</td>
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<tr>
<td>Professor Surendra Prasad</td>
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<td>Professor Raghavendra Gadagkar</td>
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<td>Professor Rajinder Jeet Hans-Gill</td>
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<td>Professor Sudhir Kumar Sopory</td>
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<td>Dr Swaminathan Sivaram</td>
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<td>Professor Subhash Chandra Lakhotia</td>
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<td>Professor Mamannamana Vijayan</td>
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<td>Professor Anupam Varma</td>
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<td>Professor Narayanaswamy Balakrishnan</td>
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<td>Professor Alok Krishna Gupta</td>
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<tr>
<td>Professor Predhiman Krishan Kaw</td>
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<td>Professor Tej Pal Singh</td>
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<td>Professor Narinder Kumar Gupta</td>
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<tr>
<td>Professor Ajay Kumar Sood</td>
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<tr>
<td>Dr Mahtab S Bamji</td>
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<tr>
<td>Professor Akhilesh K Tyagi</td>
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<tr>
<td>Professor Ramamurti Rajaraman</td>
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<td>Professor Narayanasami Sathyamurthy</td>
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<td>Professor Alok Bhattacharya</td>
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<td>Professor ML Munjal</td>
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<td>Professor SS Agarwal</td>
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<td>Professor SK Saidapur</td>
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<tr>
<td>Professor JP Khurana</td>
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<td>Professor MK Chaudhuri</td>
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</table>
Dr DM Salunke 2013-15
Professor JP Mittal 2014-16
Professor Rajendra Prasad 2014-16
Professor SC Lakhota 2015-17
Professor LS Shashidhara 2015-17
Professor Kankan Bhattacharyya 2016-18
Dr Chandrima Shaha 2016-18
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adarsharora.65@gmail.com
estate@insa.nic.in

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insafacility@gmail.com

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Section Officer (off ext 317)
98-713-38737 (M)
guesthouse@insa.nic.in
FELLOWS AND FOREIGN FELLOWS DECEASED DURING THE YEAR 2018 (OR EARLIER)

<table>
<thead>
<tr>
<th>Fellows</th>
<th>Foreign Fellows</th>
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</thead>
<tbody>
<tr>
<td>Baldev Raj</td>
<td>Breslow, RCD</td>
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<tr>
<td>Bhisey, AN</td>
<td>Hagenmuller, Paul</td>
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<tr>
<td>Biswas, BB</td>
<td>Massevitch, AG</td>
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<tr>
<td>Chawla, MM</td>
<td>Olah, GA</td>
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<tr>
<td>Ghosh, JK</td>
<td>Parr, RG</td>
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<tr>
<td>Guptasarma, Dharmajit</td>
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<td>Joshi, BS</td>
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<td>Katiyar, SS</td>
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<td>Kaw, PK</td>
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<td>Mohan Ram, HY</td>
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<td>Nigam, HL</td>
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<td>Pillai, MKK</td>
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<td>Raja Gopal, ES</td>
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<td>Ramachandran, Arcot</td>
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<td>Ramesh, Rengaswamy</td>
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<td>Subba Rao, GV</td>
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<td>Tandon, BN</td>
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TABLE SHOWING THE NUMBER OF FELLOWS, FOREIGN FELLOWS AND PRAVASI FELLOWS OF THE ACADEMY

<table>
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<tr>
<th></th>
<th>Fellows</th>
<th>Foreign Fellows</th>
<th>Pravasi Fellows</th>
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<tr>
<td>As on 1 January 2018</td>
<td>931</td>
<td>99</td>
<td>4</td>
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<td>Elected in 2018 (wef 1.1.2019)</td>
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<td>5</td>
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<tr>
<td>Deceased during the year</td>
<td>23*</td>
<td>5</td>
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<tr>
<td>Total</td>
<td>938</td>
<td>99</td>
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*till 01.12.2018
FELLOWS AND FOREIGN FELLOWS DECEASED SINCE THE FOUNDING OF THE ACADEMY

FELLOWS

Abhyankar KD
Abhyankar SS
Abraham KP
Abraham WEV
Adiga PR
Agarwal SC
Agarwal SS
Agarwala SC
Agharkar SP
Ahmad B
Ahmad F
Ahmad N
Ahuja PS
Aiyar RG
Ajrekar SL
Ali SM
Ambasht RS
Anand Bal Krishan
Ananda Rau K
Ananthakrishnan RI
Ananthakrishnan SV
Ananthakrishnan TN
Anantharaman TR
Antia DP
Antia KF
Asana RD
Ash WC
Asundi RK
Aswathanarayana U
Atma Ram
Auden JB
Auluck FC
Awasthi DD
Awati PR
Ayyangar GNR
Bachhawat BK
Bagchee KD
Bagchi KN
Bahadur R
Bahl KN
Baini Prasad
Balbhadra Prasad
Baldev Raj
Baliah V
Banerjee DK
Banerjee H
Banerjee K
Banerjee PK
Banerjee S
Banerjee T
Banerji AC
Banerji I
Banerji SK
Bappu MKV
Bardhan JC
Barnabas J
Basu BC
Basu Debidas
Basu JK
Basu JN
Basu Kalipada
Basu NM
Basu S
Basu Saradindu
Basu UP
Beeson CFC
Berkeley-Hill OAR
Bhabha HJ
Bhaduri AN
Bhaduri JL
Bhaduri PN
Bhagavantam S
Bhakuni Vinod
Bhar JN
Bhardwaja Y
Bhargava KP
Bhargava KS
Bharucha FR
Bhaskaran K
Bhaskara Sastri TP
Bhat JV
Bhatia BL
Bhatia IS
Bhatia ML
Bhatnagar PL
Bhatnagar SS
Bhatt MV
Bhattacharya DR
Bhattacharya P
Bhattacharya SK
Bhattacharyya A
Bhattacharyya JC
Bhattacharyya PK
Bhattacharyya SC
Bhattacharyya Sudhir K
Bhide VG
Bhimachar BS
Bhisey AN
Bhowmik BB
Bilgrami KS
Bir SS
Biswa AB
Biswa BB
Biswa K
Biswa NN
Biswa SN
Biswa Sukumar
Bomford G
Bor NL
Bose A
Bose AK
Bose DM
Bose GS
Bose JC
Bose JP
Bose MK
Bose MN
Bose Nirmal Kumar
Bose Nolini Kanto
Bose PC
Bose PK
Bose RC
Bose SN
Bose SR
Brahm Prakash
Brahmachari UN
Buchi EC
Burma DP
Burns W
Burridge W
Burt BC
Cadambe V
Calder CC
Chakrabarty SK
Chakravarti D
Chakravarti DN
Chakravarti R
Chakravarti Ram N
Chakravarti Rabindra N
Chakravarti SN
Chakravarty C
Chakravorty M
Champion HG
Chandrasekhar S
Chandrasekharan K
Chandrashekar MK
Chatterjea JB
Chatterjea JN
Chatterjee A
Chatterjee B
Chatterjee G
Chatterjee GP
Chatterjee NC
Chatterjee SC
Chatterjee SD
Chattoo BB
Chattopadhyaya KP
Chaudhuri H
Chaudhuri RN
Chawla MM
Chhibber HL
Chinoy JJ
Chopra BN
Chopra RN
Chopra SRK
Choudhury B
Chowdhury AB
Chowdhury JK
Chowdhury KA
Chowdhury Mihir
Chowla S
Clegg ELG
Coates JC
Couchman HJ
Coulson AL
Crookshank H
Damodaran M
Daniel RR
Das AK
Das BK
Das BN
Das Jajneswar
Das Jyotirmoy
Das K
Das MR
Das PK
Das Gupta CR
Dasgupta MK
Das Gupta NN
Dasgupta Somesh
Das Gupta SN
Dastur DK
Dastur JF
Dastur RH
Datey KK
Datta AG
Datta Sachhindananda
Datta Snehamoy
Dayal B
De MN
De P
De Rajat
Deb SS
Deodikar GB
Desai RD
Deshpande BG
Deshpande DL
Desikachary TV
Dessau Gabor
Dewan IJ
Dey AK
Dey BB
Dhar ML
Dhar MM
Dhar NR
Dhar SC
Dhawan BN
Dhawan S
Dikshit BB
Dinesh Mohan
Divatia AS
Dixit KR
Dogra PD
Dominic CJ
Doraiswamy LK
Doss KSG
Dubey GK
Dumir VC
Dunn JA
Dunnicliff HB
Dutt AB
Dutt SB
Dutta AK
Dutta NK
Dutta PC
Dutta Roy RK
Ekambram T
Elwin V
Esh GC
Evans P
Fermor LL
Finch GL
Forster MO
Fowler GJ
Fox CS
Gajri PR
Ganapathi K
Ganapati PN
Gandhi Indira
Ganesh Prasad
Gangulee Hirendra C
Ganguli HC
Ganguly AK
Ganguly J
Ganguly NC
Ganguly PB
Ganju PN
Garde RJ
Gayen AK
Gee ER
Ghatage VM
Ghatak UR
Ghidyal BP
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Ghosh J
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Ghosh Satyeswar
Ghosh Subir Kr
Ghosh Sudhodan
Ghosh Sudhamoy
Ghosh TK
Ghosh TN
Ghurye GS
Gill PS
Giri KV
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Gopinath N
Govindachari TR
Govindaswamy MV
Gravely FH
Greval SDS

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Gulatee BL
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Gupta BM
Gupta HR
Gupta J
Gupta JC
Gupta S
Guptasarma Dharmajit
Guraya SS

Haddow JR
Har Swarup
Hariharan P
Harish Chandra
Hasan M
Heilig Robert
Hendry D
Heron AM
Hora SL
Huque MA
Husain MA
Hutton JH
Huzurbazar VS

Ishaq Mohammed
Iyengar MOP
Iyengar PK
Iyer LKA
Iyer PVK

Jacob TM
Jagannathan V
Jai Krishna
Jain GC
Jain SC
Janaki Ammal EK
Jhingran AG
Jhingran VG
Job TJ
Joglekar DV

Johri BM
Joshi AB
Joshi AC
Joshi BS
Joshi SS
Jussawalla DJ

Kadam BS
Kailasam LN
Kallianpur G
Kanungo MS
Kapahi VK
Kapil RN
Kapil RS
Kapur JN
Kapur SN
Kar AB
Kasiwval RM
Katiyar SS
Kaushal Kishore
Kaw PK
Kedharnath S
Khan Abrar M
Khan Hamid
Khanolkar VR
Khastgir SR
Khatri CG
Khattiri KN
Khosho TN
Khosla AN
Kichlu PK
Kilpady Sripadrao
King CA
Kini MG
Knowles R
Kosambli DD
Koshy PK
Koteswaram P
Kothari DS
Kothari LS
Kothavala ZR
Krishna Murti CR
Krishna Rao GS
Krishnan KS
Fellows Deceased since Founding of the Academy

Krishnan KV, Malik SK
Krishnan MS, Malurkar SL
Krishnan PS, Mangalik VS
Krishnan RS, Mani AM
Krishnaswami KR, Manna GK
Krishnaswami S, Mata Prasad
Kulkarni AB, Mathur HB
Kumar Narendra, Mathur KK
Kumar LSS, Mathur KS
Kundu Anjan, Matthai G
Kundu BC, Mehra HR
Kundu DN, Mehra PN
Kushwaha RS, Mehra SR
Lahiri A, Mehrrottra KN
Lahiri DB, Mehrrottra RC
Lakhanpal RN, Mehta KC
Lal Devendra, Mehta SM
Lal KB, Mehta VB
Lal MB, Menon KKG
Lal RN, Menon MGK
Lal RK, Menon PK
Lala AK, Metcalfe EP
Law SC, Metre WB
Laumas KR, Mills JP
Lewis CG, Minakshisundaram S
Macgregor RA, Mishra RS
Macmahon PS, Misra R
Madhava KB, Misra RC
Madhava Rao BS, Mitra AP
Mahabale TS, Mitra HK
Mahadevan C, Mitra K
Mahajani GS, Mitra RP
Mahalanobis PC, Mitra S
Mahanti PC, Mitra SC
Maheshwari P, Mitra Sisir Kumar
Maitra AN, Mitra Sujit Kumar
Maitra PK, Mitra SN
Maitra Ashok P, Mitter GC
Maitra BK, Mitter PC
Majumdar CK, Modak NV
Majumdar DN, Modi VV
Majumdar GP, Moghe MA
Majumdar RC, Mohammad Wali
Malhotra DR, Mohan Ram HY
Malhotra PK, Mohanty PK
Mookerjee RK, Mookerjee HK
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Mowdawalla FN, Mookerjee KC
Mudaliar AR, Mukherjee SM
Mukerji B, Mukherjee P
Mukerji S, Mukherjee Surath Kumar
Mukherjee Sushil Kumar, Mukherjee AS
Mukherji SM, Mundkur BB
Murty BR, Murthy YS
Nag BR, Naif B
Nagappa Y, Naik KG
Nagarajan S, Nair KR
Nagaraju J, Nair NBK
Nagehaudhury BD, Nair US
Naha K, Nakra BC
Naidu PRJ, Nanda J
Naik KG, Nanda KK
Naqvi SM, Nanjundayya C
Narain Hari, Naqvi SM
Narasimham NA, Narasimhan PT
Narasimhan R, Narasimhan PC
Narayan AL
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### FOREIGN FELLOWS

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Pontecorvo Guido P
Porter George Lord
Prigogine Ilya
Prosser CL
Pullman B
Pungor Erno

Ratcliffe JS
Reichstein T
Riley Ralph
Robinson R
Roche Marcel

Rouxel J
Rustom Roy
Runcorn SK
Russell Sir John
Rutherford Lord O’Nelson

Salam A
Sanger F
Schell JS
Schrodinger E
Selberg Atle
Selye Hans
Seward Sir Albert C
Shapley H
Sherrington S Charles
Schockley WB
Schwartz L
Siddiqui S
Siegbahn M
Steward FC
Sultanbawa MUS
Szentagothai JM
Szent-Gyorgyi Albert

Tani I
Tischler Georg
Tiselius AWK
Titchmarsh EC
Todd AR
Tomonaga Sin-Itiro
Townes CH
Turner WES

Urey Harold C
Vago Constantin
Vinogradov AP

Waksman SA
Weil A
Wenyon CM
Weyl H
Wied DD
Woodward RD
Whitteridge DM

Yukawa H
Zamaraev KI
INSA REPRESENTATION ON OTHER ORGANIZATIONS

Invitations are received from the Government of India and several scientific institutions/organizations for representation of the Academy on their Committees. These representatives are appointed by the Council and they serve on these committees during the tenure of Committees specified by these organizations. The following list gives the names of the representatives on the organizations concerned:

(A) Council of Indian Statistical Institute
(For two years upto Sept. 2020)
1. Mathematics
   Manindra Agrawal
2. Statistics
   BLS Prakasa Rao
3. Natural/Biological Sciences
   Madhu Dikshit
4. Information Sciences
   Y Narahari

(B) Indian Council of Philosophical Research
(For three years from March 2016)
   SK Sopory

(C) Indian Science Congress Association
(For one year upto 31 March 2019)
   NR Jagannathan

(D) Indian National Academy of Engineering
   V Ramgopal Rao

(E) CR Rao Advanced Institute of Mathematics, Statistics & Computer Science
   RL. Karandikar
RULES OF
THE INDIAN NATIONAL SCIENCE ACADEMY

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NAME
1. The Society shall be called the Indian National Science Academy.

OBJECTIVES
2. The main objectives of the Indian National Science Academy are:

   (a) Promotion of scientific knowledge in India including its practical application to problems of national welfare.

   (b) Coordination among Scientific Academies, Societies, Institutions, Government Scientific Departments and Services.

   (c) To act as a body of scientists of eminence for the promotion and safeguarding of the interests of scientists in India and to present internationally the scientific work done in the country.

   (d) To act through properly constituted National Committees, in which other learned academies and societies may be associated, for undertaking scientific work of national and international importance which the Academy may be called upon to perform by the public and by the Government.

   (e) To publish such proceedings, journals, memoirs and other publications as may be found desirable.

   (f) To promote and maintain liaison between Science and Humanities.

   (g) To secure and manage funds and endowments for the promotion of Science.

   (h) To perform all other acts that may assist in, or be necessary for the fulfillment of the above mentioned objectives of the Academy.

CONSTITUTION
3. The Academy shall consist of Fellows and Foreign Fellows.

   (a) Fellows: those who are elected according to rules of election and admission of Fellows.

   (b) Foreign Fellows: those who shall be persons eminent for their knowledge of, or contributions to science, or the welfare thereof, and domiciled outside the territorial limits of India, who have in some way contributed or can contribute to the progress of science in the country. Persons of all countries other than India shall be eligible for the Foreign Fellowship of the Academy.

ADMINISTRATION AND OFFICERS
4. The administration, direction and management of the affairs of the Academy shall be entrusted to a Council composed of the Board of Officers of the Academy, namely, a President and six Vice-Presidents and 20 other Fellows making a total of 27. The Vice-Presidents will have collective as well as independent responsibilities and they will be designated as: Vice-President (Fellowship Affairs); Vice-President (Science Promotion); Vice-President (Resource Management); Vice-President (International Affairs); Vice-President (Publications/Informatics) and Vice-President (Science and Society). In addition, there shall be a provision for Additional Members of the Council, one each to be nominated by the cooperating Academies i.e., the Asiatic Society, Kolkata; the National Academy of Sciences (India), Allahabad, and the Indian Science Congress Association from amongst the Fellows of the Academy. Further, there shall be a provision for the Government of India to
nominate, from amongst the Fellows of the Academy, their representative on the Council as an additional member.

5. No Council member can hold more than one Office at a time except in circumstances relating to interim vacancies stated in rule 28.

ELECTION AND ADMISSION OF FELLOWS

6. The election of Fellows shall be governed by Regulations framed by the Council, but these Regulations shall provide for the following points, from which a departure can be made only after reference to all the Fellows of the Academy:

(a) Eligibility for election to the Fellowship shall be restricted to Indian citizens.

(b) The number of Fellows elected shall be limited to 40 annually, till such time as the total number of living Fellows reaches 1000.

(c) Each nominee shall be proposed, seconded by two Fellows on a form prescribed for the purpose. Of these, at least one shall certify from personal knowledge of his/her scientific attainments. The Vice-President (Fellowship Affairs) shall have the power to sign a certificate on behalf of a Fellow not resident in India on receiving written request from him/her.

(d) The selection from the total list of the nominees proposed to the Academy shall be made by the Council from amongst those recommended by Sectional Committees, following a prescribed set of regulations framed by the Council for this purpose. The election shall be conducted by postal ballots, papers for which will be sent to every Fellow, as per the Regulations framed by the Council.

(e) Persons who, in the opinion of the Council, have either rendered conspicuous service to the cause of science or whose election would be of signal benefit to the Academy could also be elected to the Fellowship provided that not more than two persons shall be so elected in any year, and that if two persons be elected in any year, there shall be no selection under this category in the following year.

7. The Vice-President (Fellowship Affairs) shall send a written announcement of the election to the persons who have been duly elected, and shall therewith send (i) the Obligation Form to be signed and (ii) a copy of current Rules and Regulations.

8. An admission fee and Fellowship subscription shall be due on election from the persons elected as Fellows. If the admission fee and Fellowship subscription are not paid within two months of the intimation of his/her election as Fellow, such election shall become inoperative. Provided that, the Council shall have power to reinstate him/her with full privileges after the admission fee and Fellowship subscription have been paid within a period not exceeding twelve months from the date of his/her election. In the case of a Fellow elected under the provisions of Rule 6(e), the Council may, at its discretion waive off payment of admission fee and Fellowship subscription.

9. No person, although duly elected according to the Rules and Regulations of the Academy, shall be entitled to exercise the rights and privileges of Fellowship, nor shall his/her name be entered in the list of Fellows, until he/she has paid admission fee and Fellowship subscription and until he/she has signed and returned the Obligation Form.

10. Effective Fellowship shall commence after the payment of the admission fee and Fellowship subscription and the signature of the Obligation Form and shall be equivalent to the expression
of a direct acquiescence to the Rules and Regulations of the Academy then in existence, and of an undertaking to be bound by them and by Rules and Regulations as may thereafter be passed, as hereinafter provided.

11. Every new Fellow who has paid the admission fee and Fellowship subscription, and has returned the Obligation Form, duly signed and addressed to the Vice-President (Fellowship Affairs) shall, at the first General Meeting which he/she attends, be presented by a Fellow to the Chairperson who addressing him/her by name shall say, ‘In the name and by the authority of the Indian National Science Academy, I admit you a Fellow thereof’, and will present him/her with diploma in a form prescribed by the Council certifying his/her election to the Academy, after which the Fellow shall subscribe to a duplicate of the aforesaid Obligation in a book to be kept for the purpose.

THE OBLIGATION TO BE SUBSCRIBED

12. Every person elected a Fellow of the Academy shall, before his/her admission, subscribe to the Obligation in the following words:

As a Fellow of the Indian National Science Academy I shall follow the code of scientific ethics, maintain integrity in research and publications, uphold the cause of science and the dignity of the Academy, endeavour to be objective in my judgement and strive for the enrichment of human values and thoughts.

(Signed)

ELECTION OF FOREIGN FELLOWS

13. The procedure of electing Foreign Fellows shall be as prescribed in the Regulations framed by the Council from time to time but the number shall be limited to 150 and not more than six will be elected each year. No admission fee or Fellowship subscription shall be due from Foreign Fellows.

RIGHTS AND PRIVILEGES OF FELLOWS/FOREIGN FELLOWS/PRAVASI FELLOWS

14. Fellows/Foreign Fellows/Pravasi Fellows shall be entitled to the following rights and privileges:-

(a) To be present and vote at all General Meetings.
(b) To propose and recommend nominees for Fellowship.
(c) To propose persons for the awards of the Academy.
(d) To have personal access to the Library of the Academy.
(e) To take out books, plates, drawings, manuscripts, etc., from the Library, subject to such Regulations as may be prescribed by the Council.
(f) To receive gratis any one of the three journals viz., Proceedings of the Indian National Science Academy, Indian Journal of Pure and Applied Mathematics (IJPAM) and Indian Journal of History of Science (IJHS). In addition, memoirs of INSA Fellows and copies of such other INSA publications as the Council may decide from time to time and, subject to the direction of the Council, to purchase, at a reduced price any of the Academy’s publications.

CESSATION OF FELLOWSHIP

17. Any Fellow may withdraw from the Academy by signifying his wish to do so, by a letter addressed to the Vice-President (Fellowship Affairs).
18. A letter of withdrawal may be cancelled by the Vice-President (Fellowship Affairs) at the request of the sender within six months of its receipt, and he/she shall thereupon recover all rights of Fellowship. The Council shall have power to waive, in special cases, the limit of six months specified above.

19. Any Fellow who ceases to be a Fellow of the Academy, either by voluntary withdrawal or by forfeiture of his/her Fellowship, shall continue to be liable for payment of sums (if any) due from him/her to the Academy and shall return all books, material or other property (if any) borrowed by him/her from the Academy, or shall make full compensation if lost, damaged, or not forthcoming.

20. Fellows who have withdrawn from the Academy shall be eligible for re-election according to Rule 6. If re-elected, only the admission fee shall be due from them.

21. If any Fellow of the Academy shall willfully disobey Rules or Orders of the Academy or Council, or shall commit wilful breach of order at any of the General Meetings, or having unwittingly committed, shall persist in any disobedience or breach of order, after being admonished by the President, or if for any other reasons it shall appear to the Council that the name of a Fellow should not remain on the rolls, he/she shall be liable to be removed from the Academy. Whenever there shall appear cause as aforesaid, for the removal of a Fellow from the Academy, if a majority of the Council shall, after due deliberation determine by ballot, to propose to the Academy the removal of the said Fellow, the President shall, at any General Meeting of the Academy, announce from the Chair such determination of the Council, and at the next meeting after that at which the said announcement has been made, the proposition shall be submitted to ballot. If three-fourth of the Fellows present and voting at such General Meeting vote for the removal of such Fellow, he/she shall be removed from the Academy.

22. Fellow removed under the operation of Rule 21 shall not be eligible for renomination without the Council’s approval.

23. The demise of a Fellow/Foreign Fellow of the Academy shall be recorded and announced from the Chair at the next General Meeting of the Academy.

**THE COUNCIL & OFFICERS**

24. The election of Officers and other Members of the Council shall take place at the Annual General Meeting of the Academy.

25. The Council shall prepare in accordance with the following procedure, a list of names of those persons whom they recommend for election as Officers and other members of the Council for the ensuing year:

   (i) The Council shall determine the vacancies that will occur among Board of Officers and other Members of the Council during the ensuing year as per Rule 26 and 27.

   (ii) The list of the Council Members for the current and the two preceding years along with the list indicating vacancies that will occur in the ensuing year, shall be circulated to all Fellows for inviting suggestions regarding the filling up of vacancies.

   (iii) The suggestion received shall be circulated to the members of the Council for expression of views. This will be considered by the Council when the final nominations shall be made out of the names suggested. While the nominations are discussed, members of the Council who are being considered for the position of the President shall not participate in the selection procedure for this position.
(iv) The list of names recommended by the Council for election for the ensuing year shall be sent
by post as a ballot paper to each Fellow of the Academy at least one month before the date
of Annual General Meeting of the Academy. The ballot paper shall have blank column for
such alternations as any Fellow may wish to make. The ballot papers shall be returned to the
Academy at least a week before the date fixed for the Annual General Meeting.

(v) The manner of election shall be as follows:
(a) Two scrutineers shall be appointed by the Chairperson with the approbation of the
majority of the Fellows present.
(b) The scrutineers shall count the ballot papers, and shall report to the Chairperson the
names of those having a majority of votes for election as Officers and other Members of
the Council of the Academy and these names shall be announced from the Chair as duly
elected.
(c) If any ballot paper contains more than the proper number of names, or includes the
name of a scientist who is not eligible, it shall be void, and shall not be regarded by the
scrutineers.
(d) If there be an equal number of votes for any two or more nominees, the scrutineers shall
announce the fact, and the Chairperson shall proceed to decide by lot which nominee shall
have preference.

(vi) The new Council shall assume office after the conclusion of the Anniversary General
Meeting.

26. The President of the Academy shall be eligible to hold office for a period of three consecutive
years. After the end of the term of the President, he/she will not be eligible for re-election to the
membership of the Council or any office of the Council.

27. The retiring members and the Vice-Presidents shall not be eligible to the membership of the
Council or to any office of the Council until after a lapse of three years from the date of their
retirement except as provided under Rule 28(f). The retirement shall be decided by seniority except
in so far as vacancies have not otherwise occurred. In the event of equal seniority, the seniority will
be decided by lots. Notwithstanding this, all retiring and incumbent members and Vice-Presidents
of the Council are, however eligible for election to the Office of the President.

28. (a) For a vacancy occurring in the office of the President or office of any of the six Vice-Presidents,
the remaining members of the Council shall be competent to fill up such vacancy for the
remaining period of that position from the existing members of the Council, subject to its
confirmation by the subsequent General Meeting.
(b) If a vacancy occurs amongst the members of the Council the remaining members of the
Council shall be authorised to fill up such vacancy from the Fellows of the Academy, subject to
its confirmation by the subsequent General Meeting.
(c) Interim Vacancies shall be filled by the Council only for the unexpired period.
(d) During his/her absence, for whatever cause, the President shall nominate senior most Vice-
President to perform functions of the President and sign papers until his/her return, subject to
its confirmation by the Council at the first opportunity.
(e) If one of the Vice-Presidents, is unable to perform his/her duties, the President shall nominate one of the members of the Council to perform such duties and sign papers, until his/her return, subject to its confirmation by the Council at the first opportunity.

(f) Any member, who has served the Council for not more than one year, either as an additional member or interim vacancy, will be eligible to be elected for a full term of three years.

29. The Council, as constituted in accordance with these Rules, shall continue in office notwithstanding the fact that their period of office may have, in fact, expired, until their successors have been duly appointed.

**POWERS AND DUTIES OF THE COUNCIL**

30. The powers and duties of the Council shall be as follows:

(a) To manage the affairs of the Academy, and for this purpose to make such Regulations and Guidelines as may appear conducive to the good administration of the Academy and the attainment of its objectives, provided that Regulations and Guidelines are not inconsistent with anything contained in these Rules. The Council is empowered to revise or alter any of the Regulations. The Guidelines of the Academy could be revised or altered by the Board of Officers and reported to the Council.

(b) To consider communications to the Academy, which in the opinion of the President, cannot be dealt with under the present Regulations and Guidelines, and in the case of those to be submitted to General Meeting, to determine the order and manner of such submission.

(c) To superintend and direct the publication of the periodicals or other works published by the Academy.

(d) To appoint as many salaried employees as deemed necessary and to define their duties, allowances, salaries, gratuities and privileges, recruitment rules, terms and conditions of service and procedures, to suspend or dismiss them or dispense with their services, as the occasion may require.

(e) To exchange for other property, or otherwise dispose of in such a manner as may, in their opinion, advance the objectives and interest of the Academy, any duplicate books, maps, specimens etc., belonging to the Academy.

(f) To prepare and submit to the Annual General Meeting a report on the general concerns of the Academy. A copy of this report along with the audited statement of accounts for the year ending March 31, and the estimated income and expenditure for the succeeding year, shall be placed on the table for information of Fellows present and shall be made available to all Fellows.

(g) The Council may appoint, from the General Body of Fellows, Committees for the consideration of special items and subjects within the purview of the Academy. The Council may also appoint Foreign Fellows and other distinguished persons who are competent and well-versed in the subject to be Members of such Committees. The Council may appoint Chairman/Secretaries/Conveners for such Committees. The Council will have power to define the duties, tenure and to dissolve any existing committee.

(h) The Council shall be empowered, subject to the sanction of a General Meeting, to take legal proceedings for recovery of any sums due from Fellows who, after receiving the notice of their liabilities, refuse or fail to comply.
MEETINGS OF THE COUNCIL AND OF COMMITTEES APPOINTED BY THE COUNCIL

31. The following Rules shall be applicable to Meetings of the Council:

(a) The Council shall meet at such times as may be deemed advisable, and may make such Regulations not inconsistent with these Rules as they may think proper for the transaction of business at such Meetings. There shall be at least three statutory Meetings of the Council and three General Meetings every year. However, if the transaction of business demands more meetings, these may be called by the President by giving one month’s notice.

(b) The President may also summon a Special Meeting of the Council giving notice to all other Members.

(c) Ten members shall form a quorum for the Statutory Meeting of the Council. No quorum is needed for a Non-Statutory Meeting of the Council.

(d) The President or in his/her absence, one of the Vice-Presidents shall take the chair. If neither the President nor one of the Vice-Presidents be present within fifteen minutes after the hour appointed for the meeting, the Fellows present shall elect a Chairperson.

(e) The ordinary method of voting shall be by show of hands, but the votes shall be taken by ballot on motion to this effect being duly carried, or when the rules provide for such method of voting.

(f) The Chairperson shall be entitled to vote with the other Fellows, and when the votes are equal he/she shall have a second and casting vote.

(g) The voting on any question except when it be one of adjournment, shall, on the demand of any Fellow present, be postponed to the next ensuing meeting provided it has the concurrence of the majority of the Council present.

(h) Minutes of the proceedings of every meeting of Council shall be taken during their progress by Vice-President (Fellowship Affairs) or any other Vice-President present whom the Chair-person shall appoint for the occasion. The Minutes shall afterwards be circulated to the members for the purpose of ascertaining their correctness, and then be entered in a Minute-Book and presented at the next Meeting of the Council and signed by the Chairperson.

32. (a) The Committees appointed by the Council will meet at such time and place as may be decided by the Chairperson/Convener of the Committee.

(b) The Committees will follow the Regulations and Guidelines as may be given to them by the Council.

(c) The minutes of the proceedings of Meetings of such Committees shall be recorded and reported to the Council, if called for.

POWERS AND DUTIES OF THE PRESIDENT

33. The powers and duties of the President shall be as follows:

(a) To preside at all Meetings of the Academy and of the Council, and to regulate the proceedings at such Meetings.
(b) To ensure the implementation of the Rules, Regulations, and Guidelines framed by the Council under Rule 30, Clause (a).

(c) To be ex-officio Member of all the Committees appointed by the Council.

(d) In case of doubt in the interpretation of any Rule, to decide on the interpretation. In such case, the President’s interpretation shall hold until the next Meeting of the Council, when the interpretation of the Rule under consideration will be finally determined.

POWERS AND DUTIES OF THE VICE-PRESIDENTS

34. The powers and duties of the Vice-Presidents shall be as follows:

(a) To preside at Meetings (including the Council Meetings) and to regulate the proceedings in such meetings, in the absence of the President.

(b) To be ex-officio member of Committees appointed by the Council from time to time except the Sectional Committees and other Committees as appointed under rule 30 (g).

(c) To take responsibility of the activity of the Academy as specified.

POWERS AND DUTIES OF THE VICE-PRESIDENT (RESOURCE MANAGEMENT)

35. In addition to powers and duties common to Vice-Presidents under Rule 34(a), (b) & (c) the Vice-President (Resource Management) shall be responsible for the following:

(a) To receive and hold for the use of Academy, subject to Rule 36, all the money paid to the Academy. He/She shall disburse the sum due from the Academy and shall supervise in keeping exact accounts of all such receipts and payments.

(b) He/She will be responsible for the Property and the Infrastructural facilities of the Academy.

FUNDS AND ACCOUNTS

36. (a) The accounts and vouchers of the receipt and expenditure of the Academy shall be subject to examination by the Resource Management Committee which shall include two representatives of the Government of India, at such intervals as the Council may prescribe, and shall be subject to the annual audit. Separate Accounts shall be kept of all funds administered by the Academy on behalf of the Government. The annual statement of Accounts shall, after professional audit, be printed in the Annual Report of the Academy.

(b) All financial matters of the Academy including matters affecting the quantum of the Government grant and those dealing with the conditions of service, recruitment and promotion, of the staff of the Academy, shall be considered by the Resource Management Committee before they are placed in the Council for discussion. No such matter shall be considered by the Council until it has been considered by the Resource Management Committee.

37. All the sums received from the Fellows as admission fee and Fellowship subscription shall be regularly invested as per Regulations by the Vice-President (Resource Management) as soon as possible after the receipt thereof and only the interest accruing therefrom shall be considered available for the general expenditure of the Academy.

38. All the securities and money of the Academy shall be lodged for safe custody as per Regulations.
39. The Council shall be competent to decide the Regulations to be followed for maintaining the financial control of the funds of the Academy.

POWERS AND DUTIES OF THE VICE-PRESIDENT
(FELLOWSHIP AFFAIRS)

40. In addition to powers and duties common to Vice-Presidents under Rule 34 (a), (b) & (c), and subject to such delegation of duties as may be made in accordance with Rule 45, the Vice-President (Fellowship Affairs) shall be responsible for the following:

(a) To conduct the correspondence of the Academy and of the Council, except where alternative provisions have been made in the Rules.

(b) To attend the meetings of the Academy and of the Council, to record minutes of the proceedings of such meetings, to present the minutes and to report the action taken on the decisions of the previous meeting.

(c) At the General Meetings, to announce the presents made to the Academy since the last Meeting, and to read the names of nominees for Fellowship.

(d) To prepare for submission to the Annual General Meeting a list of Fellows corrected up-to-date.

(e) To enter or cause to be entered in the Minute-Book, all the proceedings of Academy and the Council before the following Meeting, and to see that all letters and papers and documents of every kind connected with the business of the Academy are properly filed and preserved.

(f) To exercise general supervision over the employees and affairs of the Academy, to prepare Guidelines for smooth functioning of the Academy, and to assist in carrying out the Rules, Regulations and Orders made by the Council under Rule 30.

POWERS AND DUTIES OF THE VICE-PRESIDENT
 INTERNATIONAL AFFAIRS

41. In addition to powers and duties common to Vice-Presidents under Rule 34 (a), (b) & (c) the Vice-President (International Affairs) shall be responsible for the following:

(a) To conduct correspondence with foreign countries, relating to the business of the Academy, to convey thanks for presents from foreigners made to the Academy and to forward to persons, elected as Foreign Fellows, a diploma certifying their election to the Academy.

(b) To supervise all matters concerning International Programmes of the Academy and foreign deputations of Indian scientists using grant from the Academy.

POWERS AND DUTIES OF THE VICE-PRESIDENT
(PUBLICATIONS/INFORMATICS)

42. In addition to powers and duties common to Vice-Presidents under Rule 34 (a), (b) & (c), the Vice-President (Publications/Informatics) shall be responsible for the following:

(a) The management of publications of the Academy and matters related to such activities.
(b) He/She will be responsible for the Informatics including Library, Information Technology facilities and maintenance of the Archives of the Academy.

(c) To identify and suggest to the Council, the persons for appointment as Editors/Guest Editors for each of the journals /monographs /special publications of the Academy.

**POWERS AND DUTIES OF THE VICE-PRESIDENT (SCIENCE PROMOTION)**

43. In addition to powers and duties common to Vice-Presidents under Rule 34 (a), (b) & (c), the Vice-President (Science Promotion) shall be responsible for the following:

To oversee activities of the History of Science and the Basic Science Research Schemes or any research support programme of the Academy. He/She will provide advice to implement the guidelines formulated by the Council from time to time for completion of the activities related to the schemes.

**POWERS AND DUTIES OF THE VICE-PRESIDENT (SCIENCE AND SOCIETY)**

44. In addition to powers and duties common to Vice-Presidents under Rule 34 (a), (b) & (c), the Vice-President (Science and Society) shall be responsible for the following:

To oversee the programmes related to Science and Society. He/She will provide advice to implement the guidelines formulated by the Council from time to time for completion of the activities related to this programme.

**DUTIES OF THE EXECUTIVE DIRECTOR**

45. The Executive Director shall be responsible for the general administration and for the implementation of the decisions of the Council. He shall act under the general direction of the Officers and will be governed by the Regulations and Guidelines as may be laid down by the Officers. The Executive Director shall be a full time salaried employee of the Academy.

**GENERAL MEETINGS OF THE ACADEMY**

46. General Meetings of the Academy shall be of four kinds viz-

(i) Ordinary

(ii) Annual

(iii) Anniversary

(iv) Extraordinary

47. The following Rules shall be applicable to all the General Meetings of the Academy:

(a) Ten Fellows shall constitute a quorum.

(b) The President or in his/her absence, one of the Vice-Presidents shall take the chair. In their absence one of the senior members of the Council present shall take the chair. If neither the President, nor one of the Vice-Presidents nor a member of the Council be present, on the expiration of fifteen minutes after the hour fixed for the meetings, the Fellows present shall proceed to elect a Chairperson.
(c) The business of each Meeting shall be proceeded within the order hereinafter prescribed in Rules 49, 50 and 51, provided always, that on a written notice being given to the President or one of the Vice-Presidents, not less than 48 hours prior to the Meeting, a motion for the immediate transaction of urgent business may be made, and if such motion be seconded and carried, this rule shall be suspended.

(d) With the exception mentioned in the previous clause, notice of motion on any matter of importance shall be given at the General Meeting preceding that at which the subject is to be considered or by a letter not less than one month before the General Meeting at which the subject is to be considered, in order that the Fellows interested in the question may have an opportunity of informing themselves regarding it and expressing their assent or dissent and no motion of which notice has not been given shall be carried at the Meeting at which it is proposed, if the President or Chairperson of the Meeting rules that it should be postponed.

(e) All motions and amendments except those emanating from the Council shall require to be seconded, otherwise they cannot be put. Amendments must be in writing, unless executed by the Chairperson. Not more than a single amendment to the original motion shall be laid before the Meeting at one time. When any such amendment has been negatived or has been allowed to take the place of the original motion, other amendments involving fresh points may be proposed.

(f) The method of voting shall be by show of hands provided always that the votes on any particular subject may be taken by ballot on a motion to that effect duly carried and, in the cases specially provided for by these rules, the votes shall be so taken.

(g) The Chairman’s decision on the show of hands shall be final unless a division is called for. Any Fellow present may call for a division.

(h) The Chairperson shall not vote with the rest of the Meeting but when the votes for and against are equal he/she shall have a casting vote.

(i) Any Fellow shall have the right of recording his protest, together with the reasons for the same, against the decision of the majority upon any question, provided that such protest be forwarded in writing to the Vice-President (Fellowship Affairs) within two weeks from the date of the Meeting at which the decision protested against was arrived at.

48. The General meeting shall be held at such time and in such places as the Council may decide, so that total number of General Meetings held during a year is not less than three. The December/January meeting shall be called the Anniversary General Meeting. One of the Meetings held during the year be termed the Annual General Meeting and others, the Ordinary General Meeting.

49. Normally the order of business at Meetings shall be as follows:

(a) The Minutes of the last Meetings shall be read and confirmed after correction, if necessary and signed by the Chairperson.

(b) To announce INSA awards and distinctions conferred on eminent scientists.

(c) Such business as is necessary in connection with the election of Fellows according to the regulations framed by the Council, shall be transacted.

(d) Notice of the intended motions shall be given.
(c) Motions of which notice was given at the preceding meeting or by post in accordance with Rule 47 clause (d), shall be disposed of, save as provided in clause (f) of this Rule and in clauses (c) and (d) of Rule 47.

(f) Matters of current business and routine shall be disposed of. If any question arises as to whether any particular question is one of current business and routine, it shall be decided by the Chairperson.

(g) Reports and communications from the Council shall be submitted for consideration.

(h) Papers and communications received by the Academy shall be read in the order prescribed by the Council under Rule 30(b).

(i) The Chairperson shall announce the names of the new Fellows and Foreign Fellows if any, and invite such persons to complete formalities of Rule 11. Fellows present who have not signed the obligation book shall do so and shall in addition be presented to the Chairperson in accordance with the provision of Rule 11.

(j) The Chairperson shall have the power, when he/she considers that Meeting has been unduly prolonged, to order any uncompleted business, except that provided for in (i), to be postponed to the next Meeting.

50. The Annual General Meeting of the Academy shall be held under the following Rules and for the transaction of the following business:

(a) The Meeting shall be held on such date and at such place as the Council may prescribe. If a quorum be not present, the Meeting shall stand adjourned until a date to be decided by the Chairperson not more than two weeks later.

(b) Notice of the Meeting, of the hour and date at which it is to be held, and the place of Meeting, and of the business to be transacted thereat, shall be given to Fellows not less than two weeks before the date of Meeting.

(c) The business to be transacted at the Meeting shall be:

(i) To hear the Annual Report prepared by the Council in accordance with the provision of Rule 30 (f).

(ii) To hear Presidential remarks reviewing the work of the Academy.

(iii) To transact other business of which notice has been given as provided for in clause (b).

(iv) To announce the Board of Officers and other Member of the Council for the ensuing year as provided in Rule 25.

(v) To announce names of the Fellows elected unless the Council decides that this can be more conveniently done at a Meeting of the Council or at an Ordinary General Meeting.

51. The Anniversary General Meeting of the Academy shall be held under the following rules and for the transaction of the following business:

(a) The Meeting shall ordinarily be held in December/January every year preferably at the city selected for the Meeting of the Indian Science Congress Association. If a quorum be not present, the Meeting shall stand adjourned until a date to be decided by the Chairperson not more than a week later.
(b) Notice of the Meeting, of the hour and the date on which it is to be held, and the place of Meeting and of the business to be transacted thereat, shall be given to Fellows not less than two weeks before the date of the Meeting.

(c) The business to be transacted at the Meeting shall be:

(i) To hear the Presidential Address.

(ii) To transact other business of which notice has been given as provided in clause (b).

52. The following Rules shall be applicable to Extraordinary General Meetings:

(a) Such Meeting may be convened by a majority of the Council and shall be convened by the President, when called on to do so by a requisition signed by not less than forty Fellows and stating the special business for which it is desirable that an Extraordinary General Meeting should be convened.

(b) Notice of the day and hour of the Meeting, and of the special business to be transacted thereat, shall be given to the Fellows within one month of receiving the request for the Extraordinary Meeting, and before one month of the date of the Meeting, provided that, if the business be very urgent, it should be competent to the Council to substitute any earlier notice than that of one month but no business of the nature specified in Rule 53 (c) shall be deemed urgent within the meaning of this clause.

(c) No other business than that included in the notice shall be transacted at such meeting, nor shall any stranger be permitted to be present thereat.

VOTES OF FELLOWS

53. The votes of Fellows shall be taken by ballot papers (transmitted to them by the Vice-President (Fellowship Affairs)) in any of the following cases:-

(a) When the Council at their discretion consider it in the interest of the Academy that an appeal should be made from the decision of a General Meeting to all Fellows of the Academy.

(b) When ten or more Fellows sign a requisition, calling upon the President to make such an appeal.

(c) Proposals requiring major changes in respect of Finances, Organization, Alteration of Rules and Objectives of the Academy or any other major item which in the opinion of the Council requires reference to all the Fellows of the Academy.

54. Before circulating any question coming under Rule 53 for the votes of all the Fellows of the Academy, the Council shall cause to be sent to every Fellow at least two weeks before the General Meeting at which such question is to be proposed, a printed circular in which shall be set forth the nature of the proposal and the reason for it, in order that it may be duly discussed at such General Meeting. A statement of any objection that may be raised at the Meeting against the proposal shall be circulated with the ballot papers.

55. Any question referred to the votes of all the Fellows of the Academy shall be brought before the General Meeting after a period of thirty days from the issue of the ballot papers for the return of votes. The Chairperson shall proceed to get the votes examined and counted and report the result.
MISCELLANEOUS

56. No person appointed as a salaried employee in the INSA Secretariat shall have the privilege of voting. If any Fellow be appointed to any such office, he/she shall not be entitled to vote at the meeting of the Academy as long as he/she continues to hold it but shall not be deprived of his/her other privileges of Fellowship.

57. The Executive Director shall keep a record of the proceedings of the Academy, of its General Meetings and of the Meetings of the Council, as shall be, from time to time, prescribed by the Council. All Fellows shall be entitled to inspect record of General Meetings.

58. All letters, notices, minutes of meetings, and other documents connected with the business of the Academy shall be filed in the order of their dates, and shall be preserved.

59. When the introduction of any new, or the alteration or repeal of any existing Rule, is recommended by the Council, or proposed by ten or more Fellows, the Council shall cause to be sent to every Fellow of the Academy entitled to vote, a statement of the proposed changes and the reasons for them, with a view to the votes of the General Body of Fellows being taken as directed in Rule 55. Provided always that no change in the Rule shall be valid unless a majority of the two-thirds of the Fellows who have voted shall be in favour of the proposed changes.

60. These Rules took effect from the date of conclusion of Anniversary General Meeting held in December, 1999. All previous Rules are hereby rescinded as from that date. The old rules will, however, be available in the archives of the Academy for reference.
REGULATIONS FOR ELECTION OF FELLOWS, FOREIGN FELLOWS, PRAVASI FELLOWS, SECTIONAL COMMITTEES AND LOCAL CHAPTERS

FELLOWS

1. **Invitation for Nomination**: A circular letter drawing attention of the Fellows of the Academy, to the last date on which nominations for Fellowship should reach the Office of the Indian National Science Academy, New Delhi, shall be issued in the first week of June every year.

2. **Certification of Nominations**: Every nominee shall be proposed and recommended by a certificate in writing signed by two Fellows. Of these, at least one shall certify from personal knowledge of the scientific attainments of the candidates. Vice-President (Fellowship Affairs), on receiving a written request from a Fellow not residing in India but competent to certify recommendation for a particular discipline, shall have the power to sign a certificate on behalf of the Fellow.

The nominating paper shall specify the name, date of birth, field of specialization, designation, address (both official and residential), academic and professional attainments of the nominee in a form prescribed by the Academy and shall include a brief statement as well as a detailed critical analysis highlighting the most important research contributions of the nominee. The proposer must also send a separate list of up to ten most important publications of the nominee, and pdf of up to five best papers, a 50 word citation highlighting the work of the scientist which justifies the claim to the Fellowship, a complete list of publications and a set of reprints of publications along with the Nomination Form. Nominations not complete in all respects and not accompanied by the above two lists of publications and a set of reprints, shall not be valid for consideration.

The proposer should ensure that the critical information required in the form is complete. The nominee should not send any information directly to the Academy.

The proposer shall send the nomination paper to such other Fellow for his support who, in his opinion, will second the nominee. The nomination paper should be transmitted by one Fellow to another directly. After both the Fellows have affixed their signatures and also given their own remarks on the nominee's suitability, the nomination paper shall be forwarded to the Executive Director during working hours so as to reach him not later than July 15. In case July 15 happens to be a Sunday, or a holiday the next working day will be the last valid date for receipt of nominations in the Academy. The particulars of the nomination paper shall be recorded with the date of receipt in a book to be kept for the purpose which will be read at the next meeting of the Council.

3. **Communication of Nominations**: All communications in respect of the nomination shall be carried on with the proposer or the seconder. However for the purpose of updating information regarding the scientific achievements and publications, the Academy may correspond with nominee directly.

4. **List of Nominees**: At the meeting of the Council at the time of the Anniversary General Meeting, a list of all persons whose nomination papers are valid in accordance with the provision of Regulation
6, shall be prepared according to the disciplines of the Sectional Committees without any reference to the dates of their nomination. The Council shall consider and send the list of eligible nominees to the concerned Sectional Committees for expression of opinion on the list of nominees referred to them. However, the nomination papers of any person for election on the basis of his work in any discipline not coming within the purview of any of existing Sectional Committees shall be considered by the Council at the time of selecting the persons for Fellowship without necessarily being referred to any Sectional Committee for its recommendations.

5. **Book of Nominations**: Not later than January 20, a list of nominees arranged in alphabetical order, together with brief statements of their most significant research achievements along with a list of ten best papers, names of Fellows who have proposed and seconded them and the year in which the nominations were considered for the first time and the year of the birth of each nominee shall be uploaded on the web and the fellowship be informed accordingly.

Fellows may make such observations/comments as they may wish to, on the suitability or otherwise of the candidates included in the Book of Nominations and communicate to the Convener of the concerned Sectional Committee. The Conveners shall write by January 20 to all Fellows whose specializations belong to their Committee requesting them to send in additional information about the scientific attainments of the candidates under consideration for election to Fellowship. The observations/comments received from the Fellows shall be placed before the Sectional Committee.

6. **Validity of Nomination**: A nomination shall remain valid for a period of five years unless the proposer or seconder of the nomination withdraws it before July 15 immediately preceding an election.

7. **Selection by Sectional Committees**: The Executive Director shall circulate by January 20 to the members of the Sectional Committees the list of the persons proposed for election from the respective Sections, with a statement showing the research work (as given in the nomination papers) of the individual nominee and shall request the members to send their recommendations along with reasons for the same to the Conveners of the respective Sectional Committees at least a fortnight before the meeting of the Sectional Committees.

**Guidelines for Sectional Committees:**

I. The primary criterion for election to the Fellowship will be scientific and technological achievements of the nominee (e.g. contributions to new knowledge, new discoveries, development of new technologies, substantial improvement in existing technologies etc.) as evidenced by publications, patents, authenticated scientific reports which could not be published and the economic impact of his/her work.

II. The work done in India should be given primary importance. Sectional Committees should not consider the nomination of those scientists who are abroad on a long term basis. They should be considered only when they are back in India and have made notable contributions to science in India.

III. The election should be recommended for the work done in the entire career of the scientist. Work done well before the nomination is proposed should also be given due consideration.

IV. The Conveners of the Sectional Committees should make all efforts to obtain reports from Fellowship/ experts of the Academy.
V. The Sectional Committee is charged with the responsibility of studying the work of the nominees by consulting fellows/experts in the area of specialization of the nominee, where necessary. The use of bibliometric data in the selection process should be discouraged.

VI. All the new nominations received in an year will be considered by the Committee of Conveners. If the Conveners change the assignment to a Sectional Committee which is not suggested as an alternate committee, the consent of the proposer should be taken and the change should be effected only if the consent is received. No change of Sectional Committee will be considered thereafter.

The Executive Director shall call two meetings of the Sectional Committees, in February and in April, on the dates as may be decided by the Council in the calendar of meetings, to consider these recommendations.

Two meetings of the Sectional Committees

a) There will be two meetings of the Sectional Committees each year, the first one will be held in February and the second meeting will be in the month of April prior to the Council meets.

b) At the first meeting, the Sectional Committees will shortlist the nominations to a maximum of ten. The Conveners will make all efforts to procure the opinion of the fellowship about the nominees. The opinions received by the Conveners should be thoroughly discussed at the meeting.

c) The Sectional Committees may identify a minimum of five experts for each of the above shortlisted ten names who may be contacted for obtaining specific information about the nominee. The national experts may be restricted to INSA Fellows only. These short-listed names are to be informed to the members of the Council also.

(d) At the second meeting of the Sectional Committees, the opinion of experts (on each nominee) will be placed on the table and will be critically discussed. The Committee will then make a final list of up to five names, in alphabetical order, for the consideration of the Council. The Committee shall also bring out clearly for each recommended nominee the reason for its recommendation, by highlighting the importance of the scientific contributions of the concerned nominee.

The reports of the Sectional Committees will be forwarded to the Vice-President (Fellowship Affairs) by the Conveners.

Election of Fellows in New Category

The nominations for the election of Fellows in the following three disciplines, not covered under the regular subject areas of present sectional committees, will be considered by a search committee duly constituted for this purpose by the Council:

i) Scientists working in Technology Missions of National importance (such as Space)
ii) Scholars in History and Philosophy of Science
iii) Social Sciences – Economics, Sociology, Psychology, Anthropology, Political Sciences etc.

8. Selection by the Council: At the meeting of the Council to be held normally in April the Council will consider recommendations made by each Sectional Committee and search committee (for the election of Fellows in the new category not covered under the regular subject areas of present sectional committees) and shall then select a number not exceeding forty (including scientists in new categories) to be recommended to the Fellows of the Academy for election.

The opinion of experts and any other material placed on the table in the second meeting will be made available to the Council at its August Meeting.
9. **Selection from Sections:** It shall not be obligatory for the Council to recommend a certain fixed number of persons for elections to Fellowship from each of the 12 Sections. The Council shall be free to recommend a larger number for any Section if there are more deserving persons in that Section and also not to recommend for any Section if, in the opinion of the Council, none is fit for election.

10. **Communication of the Selected Names to Fellows:** Soon after selection by the Council, an electronic circular-letter shall be sent to every Fellow as an e-voting paper enclosing a list of the selected persons.

11. **Date of Election:** The election of Fellows not included in the class referred to in Regulation 7 shall take place at the Statutory Meeting of the Council in July.

12. **Election Procedure:** Each Fellow then may tick the names of those (s)he wishes to be elected and cross the names of those (s)he does not wish to be elected.

13. **Appointment of Scrutineers:** Two scrutineers shall be nominated by the President for counting the votes.

14. **Declaration of Election Results:** The scrutineers, after examining the voting papers, shall report to the President the number of votes received by each candidate. The President shall at the meeting of the Council to be held in July, duly declare the names of the candidates who have been elected. In the case of a tie, the President shall have a casting vote. The result of election shall be notified on the web. This election, however, shall be effective from January 1 of the following year.

15. **Re-nomination:** On the expiry of the validity of the nomination, a re-nomination can be made afresh only after a gap of two years. The fresh nomination shall be submitted as prescribed in Regulation 2.

16. **Nomination for Special Election:** In accordance with Rule 6 (e), the Council may recommend names for election as Fellow/s otherwise than that provided under paras 1 to 15 of these Regulations. The persons so recommended shall be selected by the Council by ballot provided always that no person shall be so recommended unless he obtains two-thirds of the votes of the Members of the Council present and that the total number of votes registered in his favour are not less than seven.

17. **Special Election:** At the Ordinary General Meeting of the Academy, immediately following the Meeting of the Council at which the selection of persons to be elected under Regulation 16 is made, the person(s) nominated shall be proposed for election by means of a certificate prepared by the Vice-President (Fellowship Affairs). This certificate shall explicitly specify the basis of nomination for special election. Such certificate shall remain with the Academy until the day on which a ballot is taken on it. The name of the person so proposed shall be posted to each fellow for voting by a date given on the ballot paper. The result of the ballot shall be ascertained at the next meeting of the Council after the close of the ballot, following the procedure of Regulations 12 to 14.

18. **Subscription:** An admission fee of Rs 500/- and one time Fellowship subscription of Rs 2000/- shall be due on election.

*19. **Participation in General Body Meetings:** For participation in the General Body Meetings, no international travel expenses will be covered by the Academy. This will apply to Fellows, Foreign Fellows and Pravasi Fellows.

* Approved in Council Meeting October 12, 2018.
FOREIGN FELLOWS

1. A letter drawing attention of the Fellows of the Academy, to the last date on which nominations for Foreign Fellowship should reach the office of the Indian National Science Academy, New Delhi, shall be issued by the Academy. Every nominee shall be proposed in prescribed form by a Fellow of the Academy. The nomination paper shall specify the name, date of birth, nationality, field of specialization, profession, rank and present address, and shall include a brief statement of the most significant achievements of the nominee, information regarding his/her membership of the academies in the home country and his/ her interest in scientific activities in India. The Proposer shall also specify how the nominee’s election would help the Academy in the furtherance of its aims and objects.

The nomination paper, complete in all respects, shall be sent by post or may be handed over personally by a Fellow of the Academy to the Executive Director during working hours. The particulars of the nomination paper when received along with all documents at the office of the Executive Director shall be recorded with the date of receipt in a book to be kept for the purpose, which will be read at the next meeting of the Council. The nomination shall be valid for three years only.

2. Guidelines for Selection

(a) The nominee should be a foreign citizen.

(b) The nominee should be an internationally recognized leader in his own field.

(c) He or she should be a Fellow/Member of the National Academy of own country. Alternatively he or she should be a Foreign Fellow / Associate of a foreign academy. Further, Council would consider those nominees who are awardees of Noble Prize, Fields Medal or any other International award of equally eminent standing.

(d) The nominee should have close connection with Indian scientists and should be aware of the progress of Indian science, its accomplishments and aspirations. The past, present and future advantages and gains to the Academy and to the scientists of India by the election of a Foreign Fellow may also be kept in view.

(e) Academy will constitute a Nominating Committee consisting of the following:

1) President, INSA
2&3) Two Past-Presidents
4&5 Two Fellows and
6) Vice-President (Fellowship Affairs)
7) Vice-President (International Affairs) who will act as the Member-Secretary of this Committee.

The members of the nominating committee could also suggest additional names on their own. All efforts should be made by the Nominating Committee to increase the number of Foreign Fellows of the Academy elected each year without compromising / diluting the principles underlying the present selection process.

(f) The Vice-President (International Affairs) and Member-Secretary of the Nominating Committee will write a letter to all the fellows every year inviting nominations from them. He will also contact
the members of the Sectional Committees for suitable nominations. It will be helpful for the Vice President to be in touch with the Conveners of the Sectional Committees so that they act in good time and in the manner envisaged.

(g) The meeting of the Nominating Committee will be held sometime during February-March to select suitable names among the nominations so received. The names selected for Foreign Fellowship by the Nominating Committee will be reported to the Council in the month of April.

3. The names of the candidates so selected shall be circulated to all Fellows on a voting paper to be returned by a prescribed date. The Fellow shall vote by placing a cross for the names of those he wishes to be elected.

The selection of candidates to be so nominated for Fellowship up to the permissible number under Rule 13(a) shall be recommended to the Fellows of the Academy for election.

It shall be the aim of the Council to see that the recommendations are distributed evenly, as far as possible, in different branches of Science.

4. The voting paper shall not be signed but enclosed in a sealed envelope, which shall be forwarded to the Vice-President (Fellowship Affairs) in an outer cover with a covering letter signed by the Fellow so as to reach the Office of the Academy by the date prescribed. In the absence of a covering letter the voting paper shall be invalid.

5. Two scrutineers shall be appointed by the President for counting the votes. The scrutineers, after examining the voting papers, shall report to the President the number of votes received by each candidate. The President shall then at the meeting of the Council to be held in July, announce the names of candidates who have secured the votes of two-thirds of the Fellows voting and shall declare them as duly elected. In the case of a tie, the President shall have a casting vote. The result of election shall be notified to all the Fellows. This election, however, shall be effective from January 1 of the following year.

SECTIONAL COMMITTEES

1. The Council shall appoint, from among the Fellows of the Academy, Committees representing the various branches of Natural Knowledge, called ‘Sectional Committees’.

The members of each Committee shall be chosen with a view to secure, as far as possible, a representation of the several sub-divisions of each branch of Natural Knowledge, and to obtain the assistance of Fellows who are specially qualified to advise the Council regarding particular parts of Natural Knowledge.

2. Each Sectional Committee shall advise the Council or any of the Officers on the matters referred to it by the Council or by any of the Officers, and also shall make to the Council suggestions pertaining to the branch or branches of knowledge which it represents. It shall, inter-alia, (a) recommend in alphabetical order, the names of the nominees who in the opinion of the Sectional Committee, are worthy of election to the Fellowship, (b) recommend in order of priority, the names of those who in the opinion of the Sectional Committee, are worthy for the Young Scientist Award of the Academy, (c) advise in connection with communications received from Government on scientific matters of high policy, (d) advise on subjects to be discussed at the Annual General Meeting so that the Academy can play its part in national development and planning, (e) draw up lists of persons suitable for scrutinizing papers submitted for publication indicating the branches which they are competent to deal with, (f) recommend books and journals which should be added to the Academy’s library, (g) suggest original
research problems of both fundamental and applied nature, on which work should be initiated in the national interest.

3. The Council shall each year appoint a Member of each Committee to serve as Secretary and Convener of the Committee and to be the channel of communication between the Committee and the Council or the Officers.

4. **Sectional Committees:** The Sectional Committees shall be twelve in number and referred to by their number and not by name. The allocations of subjects to each Committee, which are only indicative but not exhaustive, shall be as follows:

**SECTIONAL COMMITTEE I**


**SECTIONAL COMMITTEE II**

*Physics:* Astronomy, Astrophysics, Condensed Matter Physics, Nuclear and High Energy Physics, Atomic, Molecular and Optical Physics, Statistical Physics, Space Physics.

**SECTIONAL COMMITTEE III**

*Chemical Sciences:* Analytical, Inorganic, Organic, Physical and Theoretical Chemistry.

**SECTIONAL COMMITTEE IV**


**SECTIONAL COMMITTEE V**

*Engineering & Technology:* Electronics, Electrical, Mechanical, Chemical, Civil, Aeronautical, Telecommunication and other branches of Engineering, Computer and Information Sciences and Technology Development.

**SECTIONAL COMMITTEE VI**


**SECTIONAL COMMITTEE VII**

*Plant Sciences:* Taxonomy, Structure, Function, Physiology, Development, Genetics, Ecology and Evolution of Plants.

**SECTIONAL COMMITTEE VIII**

SECTIONAL COMMITTEE IX

*Microbiology and Immunology:* Biology of Viruses, Bacteria and Parasites, Microbial Genetics and Genomics, Immunology.

SECTIONAL COMMITTEE X

*Cell and Biomolecular Sciences:* Biochemistry, Biophysics, Cell Biology, Molecular Biology, Structural Biology, Bioinformatics, Systems Biology, Biotechnology.

SECTIONAL COMMITTEE XI

*Health Sciences:* Basic and Clinical Medical Sciences, Anthropology, Psychology, Human Genetics, Public Health, Nutrition.

SECTIONAL COMMITTEE XII

*Agricultural Sciences:* Agriculture, Horticulture, Forestry, Fisheries, Veterinary Science.

5. Each Sectional Committee shall comprise nine Members; five Members shall constitute a quorum.

6. Members shall be retired by seniority, at the rate of one-third every year. Where necessary, retirement shall be determined by ballot. If a Sectional Committee Member is not able to attend the meetings of Sectional Committee in a particular year, the President is authorized to appoint a suitable substitute in his/her place for that year. If any Sectional Committee Member does not attend two consecutive meetings without valid reasons, the Council may appoint a new member in his/her place for the remaining period.

7. The retiring Members of Committee shall each year vacate office on December 31, and shall not be eligible for selection as a Member in the ensuing year. However, this restriction will not be applicable to Fellow(s) appointed by the Council in an interim vacancy.

8. Should an interim vacancy occur at any time, the council shall appoint a Fellow to fill the vacancy, and the retirement of the Fellow so nominated, shall be according to the rules that would have applied to the member whose place he fills provided that, if on the date of retirement the said Fellow has not served more than one year, he shall be eligible for immediate reappointment.

9. The appointment of the Fellows to serve as new Members of the Committee shall be made by the Council in August and the Member, so appointed, shall enter the office on forthcoming January 1.

LOCAL CHAPTERS

1. Local Chapters are established for regions at places where five or more Fellows of the Academy reside. In exceptional cases, if the number is less but the Local Fellows desire a Local Chapter, their request may be examined by the President, for decision.

2. All Fellows of the Academy shall be affiliated to one of the Local Chapters.

3. The Local Chapters should give their views on various matters affecting the scientific policy in the country. These should include suggestions like social impact of science, planning in science and technology and liaison with Local Academies and learned bodies to bring fruitful participation between these bodies and the Indian National Science Academy. The Chapters should comment on special problem of local interest which could be analysed scientifically. For this purpose, special committees
with appropriate experts be formed within the Chapter. Some Fellows, particularly those with many years of experience in science management, can be requested to make themselves responsible for compiling reports on such issues. The reports should be sent to the Academy so that the Academy may prepare a consolidated version of the various reports for consideration by the Council. The Council should then publicise its views and thereby make itself felt as an important organ of the society.

4. Local Chapters should encourage young scientists to participate in scientific activities.

5. All Local Chapters should make efforts to strengthen scientific activities. They should organize at least two scientific programmes in a year dealing mainly with the advancement of science and the popularization of science. All Fellows attached to a Local Chapter should make efforts to attend meetings of the Chapter which may be held at the Headquarters or elsewhere at which among other things, nominations could also be made for the various endowment lectures of the Academy.

6. (a) Return I Class/II AC rail fare will be admissible to all outstation Fellows attending the meetings of Local Chapters.

    (b) For local Fellows the expenditure incurred on transportation, including taxi fare, will be reimbursed.

7. In every meeting of the Local Chapter, a Chairman should be elected.

8. Every Local Chapter should suggest the name of a Fellow for appointment as Convener of that Local Chapter by the Council. The term of the Convener will be three years.

The Conveners of Local Chapters should be requested to call their first meeting in April to draw as detailed a programme as possible giving the dates of various activities proposed which could be circulated to the Fellowship and also published in the INSA News.
ACADEMY AWARDS

The Indian National Science Academy has instituted 69 awards which are broadly classified into following categories:

(A) International Awards
(B) General Medal & Lecture Awards
(C) Subjectwise Medals/Lectures/Awards
(D) Awards for Young Scientists
(E) INSA Teachers Award

(A) INTERNATIONAL AWARDS

(i) INSA-Vainu Bappu Memorial Award

The award was established in 1985 from an endowment by Mrs Sunanna Bappu, mother of the late Dr. Manali Vainu Bappu, an eminent Astronomer and a Fellow of the Academy.

The award is to be given to a Astronomer/Astrophysicist of international recognition. The first award was announced in 1985. The award consists of a bronze Medal, an honorarium of Rs.25,000/- and a citation. Scientists from all nations are eligible for consideration. In the event of the award being given to a foreign Scientist, the international airfare will be met and he / she may be provided with cash equivalent of the honorarium in US dollars.

(ii) Jawaharlal Nehru Birth Centenary Medal

The award was established in 1989 by the Academy. The award will be given for international cooperation in Science & Technology and for contributions to public understanding of Science. Scientists from all nations are eligible for consideration. The first award was made in 1990. The award carries a plaque and a citation.

President INSA, shall suggest names for consideration by the Council at its meeting in December in the year preceding the year of award. The name selected by the Council shall be announced at the Anniversary General Meeting of the Academy.

(iii) PMS Blackett Memorial Lecture and JC Bose Memorial Lecture

These Lectureships were established in 2011 from General Funds of the Academy and will be awarded to a scientist of international repute in any branch of science. The award will be given once in three years alternatively i.e. 2013 (first Blackett Memorial lecture), 2016 (first Jagadis Chandra Bose Memorial lecture), 2019 (second Blackett Memorial lecture) and so on. The Lectureships carry an honorarium of Rs. 25,000/- and a citation. Scientists from all nations are eligible for consideration. In the event of the award given to an overseas scientist, the international airfare will
be reimbursed and the awardee will be provided with cash equivalent of the honorarium in US dollars. The nominations will be invited from the entire Fellowship.

(B) GENERAL MEDALS AND LECTURES

MEDALS

(a) Any Branch of Science

(i) Chandrasekhara Venkata Raman Medal
(ii) Shanti Swarup Bhatnagar Medal
(iii) Meghnad Saha Medal
(iv) Aryabhata Medal

The above Medals shall be awarded for outstanding contribution in any branch of science coming within the purview of the Academy. The President, INSA, shall suggest name/s for consideration by the Council, at a meeting to be held in December/January of the year of the award and the name selected by the Council shall be announced at the Anniversary General Meeting.

The awardee will deliver a lecture on the subject of his choice normally at the following Anniversary General Meeting or at one of the General Meetings of the Academy. The award consists of a Copper Medal (gold plated) and a citation.

(b) Popularization of Science

(i) Indira Gandhi Prize for Popularization of Science

1. The award was instituted by INSA in 1986 to encourage and recognize popularization of science in the country. The prize shall be awarded once in three years for outstanding work done by an individual for the popularization of science in any Indian language, including English. The nominee must have had a distinguished career as a writer, editor, journalist, lecturer, radio or television programme director, science photographer or as an illustrator, which has enabled him/her to interpret science (including medicine), research and technology to the public. He/She should have a knowledge of the role of science, technology and research in the enrichment of cultural heritage and in solution of problems of humanity. The first award was made in 1986.

   The prize is open to any Indian national residing in the country and will carry honorarium of Rs. 25,000/-, citation and a bronze medal. Maximum of six prizes (two in each category) will be awarded to the following categories:

   a) Science popularization efforts in English language by a career media personnel
   b) Science popularization efforts in English language by a career scientist
   c) Science popularization efforts in any language other than English either by a career media personnel or a career scientist

2. Nominations for consideration for the prize shall be invited from INSA Fellows, Vice-Chancellors, Deans, Principals, Directors of leading scientific institutions and national laboratories and Editors of selected Indian science journals. Advertisements will also be inserted in the selected popular science journals for this purpose.
The nomination paper shall specify: (i) Name and address of nominee; (ii) Name, designation and address of nominator; (iii) Category of the award (Nominator should clearly indicate the language in which the nominee has predominantly worked and whether he/she belongs to media personnel or a career scientist category); (iv) Summary of the work done by the nominee which will form the basis for nomination (about 200 words); (v) a longer statement (not exceeding 1000 words) providing additional information regarding the career of the nominee as a popularizer of science; (vi) nominee’s biodata (not more than three pages) and list of nominee’s published works. Two sets of reprints or xerox copies of important works to be made available for viewing by the jury; (vii) whether the work (part or whole) presented has been recognized for any other prize or award; and (viii) names of three references (with addresses and telephone numbers) who may be contacted for further information. The last date for receipt of nominations in the Academy is July 15.

3. The President, INSA, will appoint a Committee which will consist of four members besides him to consider the nominations and make recommendations to the Council. The Committee will be empowered to consult experts in the field, if necessary. The material for judging would include writing in newspapers, magazines, popular books and scripts prepared for radio and television programmes and films. Initiative, originality, scientific accuracy, clarity of interpretation and impact of creating excitement, interest and understanding of science would be important criteria for judging the entries. Work already recognized for any other award will not be considered. The recommendations of the Committee shall be considered by the Council in December/January. The name of the person selected for the prize will be announced at the Anniversary General Meeting of the Academy.

(ii) **INSA Medal for Promotion and Service to Science**

The Medal was established by the Academy in the year 2001 for purpose of recognizing those who have rendered exceptional service for promoting science in India.

The Medal shall be awarded for exceptional service to promoting Science in India. The prize is open to any Indian national and will carry a gold medal (of 20 grams) and a citation. The President, INSA, shall suggest, for consideration by the Council, names at a meeting of the Council to be held in December/January prior to year of the award and the name selected by the Council shall be announced at the Anniversary General Meeting. The first award was made in the year 2002.

**LECTURES**

**Any Branch of Science**

(i) **Sisir Kumar Mitra Memorial Lecture**

The lecture was established in the year 1963 from the General Funds of the Academy in the memory of late Professor Sisir Kumar Mitra, a Foundation Fellow and past President of the Academy. The first award was made in the year 1966.

(ii) **Kariamanikkam Srinivasa Krishnan Memorial Lecture**

The lecture was established in the year 1965 from the General Funds of the Academy in the memory of late Professor Kariamanikkam Srinivasa Krishnan, a Foundation Fellow and past President of the Academy. The first award was made in the year 1969.
(iii) **Daulat Singh Kothari Memorial Lecture**

The lecture was established in the year 1993 from the General Funds of the Academy in the memory of the late Professor Daulat Singh Kothari, a distinguished Fellow and a past President of the Academy. The first award was made in the year 1996.

The President, INSA, shall suggest, for consideration by the Council, names at a meeting of the Council to be held in December/January and the names selected by the Council shall be announced at the Anniversary General Meeting. The lectureship includes an honorarium of Rs 25,000/- and a citation.

(iv) **Jawaharlal Nehru Birth Centenary Lecture**

The lecture was established in 1989 from the general funds of the Academy. Two Lectureships are awarded once in three years to Indian scientists. One award will be made in Physical Sciences (SC-I to VI) and the other one in Biological Sciences (SC-VII to XII). The lectureship includes an honorarium of Rs. 25,000/- and a citation.

President, INSA, shall suggest names for consideration by Council at its meeting to be held in December/January preceding the year of awards. The names selected by the Council shall be announced at the Anniversary General Meeting of the Academy.

**(C) SUBJECTWISE MEDALS/LECTURES/AWARDS**

**(A) Medals Instituted by the Academy**

(i) **Srinivasa Ramanujan Medal**
   – for Mathematical Sciences

(ii) **Satyendranath Bose Medal**
    – for Physics

(iii) **Homi Jehangir Bhabha Medal**
    – for Physics

(iv) **Jagadis Chandra Bose Medal**
    – for Biochemistry, Biophysics, Molecular Biology & related areas

(v) **Sunder Lal Hora Medal**
    – for Animal Sciences

(vi) **Darashaw Nosherwanji Wadia Medal**
    – for Earth Sciences including Geography

(vii) **Prasanta Chandra Mahalanobis Medal**
    – for Mathematical Sciences

(viii) **Syed Husain Zaheer Medal**
    – for Engineering & Technology

(ix) **Silver Jubilee Commemoration Medal**
    – for Agricultural Sciences
The Year Book 2019

(x) **Golden Jubilee Commemoration Medal**
   – for Chemical Sciences

(xi) **Golden Jubilee Commemoration Medal**
    – for Animal Sciences

(xii) **Kalpathi Ramakrishna Ramanathan Medal**
     – for Atmospheric Sciences and Meteorology

The medals shall be awarded for outstanding contributions to the concerned discipline of science. Eminence is to be judged in accordance with the criterion that the scientific work of the candidate is such that its impact has been felt for a considerable length of time. The award carries a Copper Medal (Silver plated) and a citation.

(B) **Endowment Medals**

1. **Vishwakarma Medal**
   The medal was established in 1976 from an endowment by Dr. Pulin Bihari Sarkar, a distinguished Fellow of the Academy.

   The Medal is awarded to eminent scientists, technologists or any person who has made outstanding contributions in Engineering & Technology related to discovery or invention that has led to the start of a new industry in India or to significant improvement of an existing process resulting in cheaper or better product. The award carries an honorarium of Rs 25,000, a bronze medal and a citation. The first medal was awarded in 1979.

2. **Professor Brahm Prakash Memorial Medal**
   The award was established in 1987 from an endowment from Mrs R Brahm Prakash and by friends of late Dr Brahm Prakash, a distinguished Fellow of the Academy.

   The award is to be given to a scientist/engineer who has made outstanding contributions in Engineering and Technology. The award carries an honorarium of Rs 25,000/-, a bronze medal and a citation. The first award was given in 1989.

3. **Professor Shyam Bahadur Saksena Memorial Medal**
   The award was established in 1989 from an endowment by Mrs Sarla Saksena to commemorate the memory of late Professor Shyam Bahadur Saksena, a distinguished botanist and Fellow of the Academy.

   The award is to be given to an eminent scientist who has made outstanding contributions in Plant Sciences. The award carries an honorarium of Rs 25,000/-, a bronze medal and a citation. The first award was given in 1990.

4. **Professor GN Ramachandran 60th Birthday Commemoration Medal**
   The award was established in 1989 out of an endowment by the Organizing Committee to commemorate 60th Birthday of Professor GN Ramachandran, a distinguished Fellow of the Academy.

* Approved in Council Meeting October 12, 2018.
The award is to be given to an eminent scientist for outstanding contributions in the field of **Biochemistry and Biophysics**. The award carries a bronze medal, an honorarium of Rs 25,000/- and a citation. The first award was given in 1991.

*5. **Professor TR Seshadri Seventieth Birthday Commemoration Medal**

The Medal was established in 1971 from an endowment by students of Professor Seshadri, a distinguished organic chemist Fellow and a past President of the Academy.

The medal is awarded to a scientist for outstanding work in **Chemical Sciences**. The award carries an honorarium of Rs 25,000/-, a bronze medal and a citation. The first medal was awarded in 1973.

6. **Professor KP Bhargava Memorial Medal**

The Medal was established in 1992 out of an endowment made by Mrs Savitri Bhargava, to commemorate the memory of late Professor KP Bhargava, an eminent Pharmacologist and a distinguished Fellow of the Academy.

The selection of the scientist is to be made from amongst the persons who have made outstanding contributions in **Medical Sciences**. The award carries a bronze medal, an honorarium of Rs 25,000/- and a citation. The first award was given in 1996.

7. **Professor K Naha Memorial Medal**

The Medal was established in 1996 from an endowment by the family members of Professor Naha to commemorate the memory of late Professor Kshitindramohan Naha, an eminent geologist and a distinguished Fellow of the Academy.

The selection of the scientist is to be made from amongst the persons, who have made outstanding contributions in **Earth Sciences**. The award carries a bronze medal, an honorarium of Rs 25,000/- and a citation. The first award was made in 1998.

8. **Professor Krishna Sahai Bilgrami Memorial Medal**

The Medal was established in 1998 from an endowment contributed by family, colleagues and students to commemorate late Professor Krishna Sahai Bilgrami, an eminent botanist and a distinguished Fellow of the Academy.

The Medal is to be given to a scientist for recognition of outstanding contribution in the field of **Agricultural Sciences**. The award carries a bronze medal, an honorarium of Rs 25,000/- and a citation. The first award was made in 2001.

9. **The Chandrakala Hora Memorial Medal**

The Medal was established in 1945 from an endowment by Mrs Hora and Dr Sunder Lal Hora, a distinguished Fellow and past President of the Academy and in memory of their daughter.

The Medal is awarded to an eminent scientist for contributions in the field of **Animal Sciences**. The award carries an honorarium of Rs 25,000/-, a bronze medal and a citation. The first medal was awarded in 1950.
10. **Shree Dhanwantari Prize**

The Prize was established in 1969 from an endowment by Shri Anant Krishna Asundi in the memory of his youngest daughter Shrimati Akkadevi.

*The Prize is awarded to eminent scientists for outstanding work in India in any branch of Medical Sciences. The prize carries an honorarium of Rs 25,000/-, a bronze medal and a citation. The first medal was awarded in 1971.*

11. **Professor Bhim Shanker Trivedi Memorial Medal**

The Medal was established in 2013 out of an endowment made by the family members of late Professor BS Trivedi, a distinguished Paleo botanist and Fellow of the Academy.

*The Medal is to be given to an eminent scientist for outstanding contributions in any branch of Biological Science including Medicine and Psychology. The award carries a bronze medal, an honorarium of Rs. 25,000/- and a citation. The first award was given in 2014.*

12. **Professor Har Swarup Memorial Medal**

The Medal was established in 2016 out of an endowment by the family of Professor Swarup to commemorate the memory of late Professor Har Swarup, a distinguished Fellow of the Academy known for his researches on endocrinology, physiology and developmental biology.

*The Medal is awarded to an eminent woman scientist for outstanding contributions in any branch of Science and Technology. The award carries an honorarium of Rs. 25,000/-, a bronze medal and a citation. The first medal was awarded in 2018.*

13. **Professor Subramania Ranganathan Memorial Medal**

The Medal was established in 2017 out of an endowment by the family of Professor Ranganathan to commemorate the memory of late Professor Subramania Ranganathan, a distinguished Fellow of the Academy known for his researches on organic chemistry and molecular biology.

*The Medal is awarded to an eminent scientist for outstanding contributions in any branch of Chemistry. The award carries an honorarium of Rs. 25,000/-, a bronze medal and a citation. The first medal was awarded in 2018.*

14. **Professor Mihir Chowdhury Memorial Medal**

The Medal was established in 2017 out of an endowment by the admirers, students and family of Professor Chowdhury to commemorate the memory of late Professor Mihir Chowdhury, a distinguished Fellow of the Academy known for his researches on physical chemistry.

*The Medal will be awarded to an eminent scientist for outstanding contributions in any branch of Chemistry. The award carries an honorarium of Rs. 25,000/-, a bronze medal and a citation. The first medal will be awarded in 2019.*
(C) **Endowment Lectures**

1. **Professor Bal Dattatraya Tilak Lecture**

   The Lecture award was established in 1982 out of an endowment by Professor BD Tilak Scientific Research and Education Trust, Pune, to commemorate Professor BD Tilak, a Fellow of the Academy distinguished for his researches in the field of dyestuffs chemistry and organic chemical technology.

   *The selection of the scientist is to be made from amongst the persons who have made outstanding contributions to rural economy and life through innovative and effective application of science and technology. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1983.*

2. **Dr TS Tirumurti Memorial Lecture**

   The Lecture was established in 1985 out of an endowment by Mrs Janaki Ramachandran, daughter of late Dr Tirunelveli Subbaiyer Tirumurti, an eminent medical scientist and a Foundation Fellow of the Academy.

   *The selection of the scientist is to be made from amongst the persons who have made outstanding contributions in Medical Sciences. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1985.*

3. **Dr Nitya Anand Endowment Lecture**

   The Lecture was established in 1986 out of an endowment by the organizing committee to celebrate the 60th Birthday of Dr Nitya Anand, an eminent chemist and a distinguished Fellow of the Academy.

   *The lecture shall be delivered by a scientist who has done outstanding work in Biomedical Research including New Drug Development. The award shall be based on work done in India during the previous 10 years. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1987.*

4. **INSA Prize for Materials Science**

   The Lecture was established in 1986 out of the Endowment by the Organizing Committee of the International Conference on the ‘Application of Mossbauer Effect’, held in 1981.

   *The prize shall be awarded for outstanding contributions in Materials Science. The Prize carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1987.*

5. **Professor S Swaminathan 60th Birthday Commemoration Lecture**

   The Lecture was established in 1990 out of an endowment by Professor S Swaminathan 60th Birthday Commemoration Committee to commemorate Professor S Swaminathan, an eminent organic chemist and a distinguished Fellow of the Academy.

   *The lecture shall be awarded for outstanding contributions in Chemical Sciences. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1992.*
6. **Professor Darshan Ranganathan Memorial Lecture**

The Lectureship was established in the year 2001 out of an endowment made by Professor S Ranganathan, FNA to commemorate the memory of his wife Professor Darshan Ranganathan, a distinguished Fellow of the Academy.

The Lecture shall be delivered by a woman scientist who has made outstanding contributions in any field of Science and Technology. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first lecture was awarded in 2003.

7. **Professor MRN Prasad Memorial Lecture**

The Lecture was established in 1989 out of an endowment by the colleagues and friends to commemorate the memory of Professor MRN Prasad, an eminent Physiologist and a distinguished Fellow of the Academy.

The lecture shall be awarded for outstanding contributions in Animal Sciences. The award carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1992.

8. **Bires Chandra Guha Memorial Lecture**

The Lecture was established in 1965 out of an endowment by (Mrs) Phulrenu Guha in the memory of her husband, Professor Bires Chandra Guha, a distinguished Fellow of the Academy.

The lecture shall be awarded for outstanding contributions in the field of Biophysics and Biochemistry. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1969.

9. **Bashambar Nath Chopra Lecture**

The Lecture was established in 1968 out of an endowment by the family members to commemorate the memory of Dr Bashambar Nath Chopra, a distinguished Fellow of the Academy.

The lecture shall be awarded for outstanding contributions in any branch of Plant Sciences. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1971.

10. **Professor Shambu Nath De Memorial Lecture**

The Lecture was established in 1992 out of an endowment by the Organizing Committee of the VIII International Symposium on Yeasts (IUMS) on behalf of the Association of Microbiologists of India (AMI) to commemorate Professor SN De, a distinguished scientist for his research in Microbiology.

The lecture shall be awarded for outstanding contributions in Biochemistry and Biophysics. The award carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1993.

11. **Professor Vishnu Vasudeva Narlikar Memorial Lecture**

The Lecture was established in 1992 out of an endowment by the family members and a close friend of late Professor VV Narlikar, to commemorate Professor VV Narlikar, an eminent mathematician and a distinguished Fellow of the Academy.
The lecture shall be awarded for outstanding contributions in **Mathematics**. The award carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1994.

*12. Dr Jagdish Shankar Memorial Lecture*

The Lecture was established in 1992 to commemorate the memory of Dr Jagdish Shankar, a Fellow of the Academy and a distinguished scientist in the field of nuclear and radiation chemistry. The endowment was made by the organizing committee of the Emerging Frontiers in Chemistry Symposium, students, admirers and family members of Dr Shankar.

The lecture shall be awarded for outstanding contributions in **Chemical Sciences**. The award carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1994.

13. **Professor Vishwa Nath Memorial Lecture**

The Lecture was established in 1992 to commemorate the memory of Dr Vishwa Nath, an eminent zoologist and a distinguished Fellow of the Academy out of an endowment made by his students, family members and friends.

The lecture shall be awarded for outstanding contributions in **Biochemistry and Biophysics**. The award carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1995.

14. **Dr Biren Roy Memorial Lecture**

The Lecture was established in 1993 out of an endowment made by the Biren Roy Trust to commemorate the memory of Dr Biren Roy, an eminent aeronautical engineer of our country.

The lecture shall be awarded for outstanding contributions in **Physics**. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1995.

15. **Professor Sadhan Basu Memorial Lecture**

The Lecture was established in 1993 out of an endowment made by Professor Sadhan Basu Memorial Fund Committee to commemorate the memory of Professor Sadhan Basu, a distinguished Fellow of the Academy who had made significant contributions in areas ranging from polymer chemistry to spectroscopy and quantum chemistry.

The lecture shall be awarded for outstanding contributions in **Chemical Sciences**. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1996.

16. **Dr Yellapragada SubbaRow Memorial Lecture**

The Lecture was established in 1995 out of an endowment made by the National Committee for Dr Yellapragada SubbaRow Centenary celebrations to commemorate the memory of Dr SubbaRow known for his outstanding contributions in the field of biomedical sciences.

The lecture shall be awarded for outstanding contributions in **Medical Sciences**. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1996.
17. **Professor K Rangadhama Rao Memorial Lecture**

The lecture was established in 1979 out of an endowment by students of Professor K Rangadhama Rao, an eminent physicist and a distinguished Fellow of the Academy.

*The lecture shall be awarded for outstanding contributions in Spectroscopy. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1979.*

18. **Professor Rango Krishna Asundi Memorial Lecture**

The Lecture was established in 1983 out of an endowment by the Asundi Endowment Fund to commemorate Professor Rango Krishna Asundi, a Fellow of the Academy distinguished for his researches in spectroscopy.

*The lecture shall be awarded for outstanding contributions in Spectroscopy. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1984.*

19. **Professor Toppur Seethapathy Sadasivan Lecture**

The Lecture was established in 1982 out of an endowment by Professor Toppur Seethapathy Sadasivan Endowment Committee to commemorate Professor Sadasivan, a distinguished Fellow of the Academy known for his researches in physiology and plant pathology.

*The lecture shall be awarded for outstanding contributions in Plant Sciences. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1982.*

20. **Professor Panchanan Maheshwari Memorial Lecture**

The lecture was established in 1984 out of an endowment by the colleagues and friends of late Professor Panchanan Maheshwari, an eminent botanist and a distinguished Fellow of the Academy.

*The lecture shall be awarded for outstanding contributions in Plant Sciences. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1987.*

21. **Dr Guru Prasad Chatterjee Memorial Lecture**

The Lecture was established in 1979 out of an endowment by Dr GP Chatterjee and Mrs Suniti Chatterjee to commemorate Dr Guru Prasad Chatterjee, an eminent metallurgist and a distinguished Fellow of the Academy.

*The lecture shall be awarded for outstanding contributions in Engineering & Technology. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1981.*

22. **Professor Har Swarup Memorial Lecture**

The Lecture was established in 1981 out of an endowment by Dr (Mrs) Savitri Swarup to commemorate Professor Har Swarup, a distinguished Fellow of the Academy known for his researches on endocrinology, physiology and developmental biology.

*The lecture shall be awarded for outstanding contributions in Animal Sciences. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in 1984.*
23. **Dr MR Das Memorial Lecture**

The Lectureship was established in 2003 out of an endowment made by Dr (Mrs) Radha R Das to commemorate the memory of her husband Dr MR Das, a distinguished Fellow of the Academy.

*The lecture shall be awarded for outstanding contributions in Biophysics & Biochemistry. The lecturership carries an honorarium of Rs 25,000/- and a citation. The first award was made in the year 2005.*

**PROCEDURE FOR SELECTION AND OTHER CONDITIONS**
*(for International Awards (except Jawaharlal Nehru Birth Centenary Medal) and subject-wise medals/lectures)*

1. **Notice of the Award:** Preceding the year of the award, the Executive Director shall issue a circular in August to all Fellows of the Academy inviting nominations by October 15.
   
   The nomination paper shall specify (a) Full name, age and address of the nominee; (b) Academic and professional qualifications and positions held; (c) A brief statement (of about 300-350 words) of the outstanding contributions of the nominee in the discipline concerned, highlighting the impact of the work; and (d) A list of titles of the most significant published works (not more than 10).
   
   The communication inviting for nominations should also indicate the names of all the previous recipients of the award.

2. **Appointment of the Advisory Board:** At a meeting of the Council to be held in December/January, the Council shall appoint a joint Advisory Board, for all the awards due in the ensuing year, consisting of President of INSA as Chair, six Vice-Presidents, Convener of the concerned sectional committee and other experts. Scientists who are proposed for the award shall not be members of the Advisory Board. The Chairman of the Board shall have a casting vote.
   
   The candidate proposed for the award should play no role in appointment and/or subsequent deliberations of the Committee which would make selection for the award.

3. **Circulation of the List to Members of the Advisory Board:** The Executive Director shall arrange to circulate the list of valid nominations with detailed information together with their brief particulars to the members of the Advisory Board. The Members of the Advisory Board will be requested to select any one or more names for consideration of the Board giving specific reasons for their selection and forward the same to the Chairman of the Board. Members of the Advisory Board may also be requested to send additional nominations if they wish to do so, one month in advance of the date of the meeting of the Advisory Board.

4. **Selection by the Advisory Board:** The Chairman of the Board shall, on receipt of the views of the members, convene the meeting of the Advisory Board in April close to the meetings of the Sectional Committees. The recommendations of the Board shall be considered by the Council. It shall be open to the Board to report to the Council that no award shall be made for the particular year, should the Board consider that no suitable name can be proposed in which case the award for the year shall lapse.

5. **Selected Name to be Communicated to the Council:** At the meeting of the Council to be held in April the report received from the Chairman of the Advisory Board shall be considered and decision taken regarding the award.
6. **Announcement:** The name(s) of recipient(s) shall be announced to the Fellowship in the General Body Meeting held in April.

## (D) AWARDS FOR YOUNG SCIENTISTS

### 1. INSA Medal for Young Scientists

**Introduction**

In 1974, the Academy, in association with Kothari Scientific Research Institute, instituted the scheme of Science Academy Medals for Young Scientists with the aim of distinguishing young scientists of extraordinary promise and creativity who have made notable research contributions in Science and Technology. Since 1981, however, this award has been solely managed and funded by INSA. The INSA Young Scientists Award, considered to be the highest recognition of promise, creativity and excellence in a young scientist, is made annually to those distinguished for these attributes as evidenced by their research work carried out in India. Till 2018, 819 young scientists have been thus recognized. Many of them have established a rewarding scientific career and continue to make outstanding contributions winning further honour both in this country and abroad.

**Eligibility**

The award of an Academy medal to a Young Scientist shall be made in recognition of notable contributions to any branch of science or technology, recognized by the Academy, on the basis of work carried out in India.

Any citizen of India who has not attained the age of 35 years on December 31, of the year preceding the year of award, shall be eligible for the award.

**Number of Awards**

The number of awards to be made in any year will be limited to 30.

**Nominations and Last Date**

A notification inviting nominations for the award shall be issued after the Council Meeting of the Academy held in July each year.

A candidate may be proposed by a Fellow of the Indian National Science Academy or by earlier recipients of this award. Scientific societies of national standing, university faculties, post-graduate departments or research institutions may also make nominations of eligible candidates.

A nomination will remain valid for consideration for 3 years or the eligibility age whichever expires earlier.

The nomination shall be made in the prescribed format. The soft copy (in MS-Word/pdf only), along with all supporting documents, must reach the Academy latest by October 31.

**Selection Committee for the Award**

All the valid nominations, based on the subject area of the work, will be considered by the respective sectional committees of the academy.
Circulation of the List to the Members of the Sectional Committees

Not later than the second week of January, the Academy shall arrange to circulate the list of nominees along with their particulars to the members of the respective Sectional Committees with a request to communicate their assessment of the candidate to the Conveners of the respective Sectional Committees, by March 1.

The Convener, if necessary, may refer the particulars of such candidates whose areas of specialization are not clearly represented among the members of the Sectional Committee to appropriate experts amongst the Fellows of the Academy.

Grading

The candidates shall be evaluated by the referees in the following grades:

A. Outstanding; B. Very Good; C. Average; D. Unsuitable

Conveners of the various Sectional Committees shall prepare a list of the grades obtained by each candidate and shall recommend not more than seven candidates in order of merit to be called for presentation of their work, provided that they have been rated at least ‘B’ by 50% of the members who have sent in their assessment. Assessment from at least five members of Sectional Committees must be elicited before making this recommendation.

The candidates invited to present their work shall do so before the concerned members of the Sectional Committee. Efforts will also be made to ensure the presence of other experts (Academy Fellows) at such presentations. These experts, if they so desire, may give their views to the Convener of the Sectional Committee.

The meetings of the Sectional Committees will normally be held during the second week of April every year. The Sectional Committees shall devote one full day exclusively to this work.

Candidates called for presenting their work before the Sectional Committees shall be entitled to II AC return rail fare and local conveyance as applicable. Reimbursement will be made on production of supporting documents.

Recommendations of the Sectional Committees

Each Sectional Committee shall send its recommendations to the Council in writing, duly signed by all members present. The recommendations shall contain, strictly in order of priority, not more than three names. The main criteria for selection will be the originality of the candidate’s research contributions and his/her understanding as evidenced by publications and performance during the presentation.

The recommendations of the Sectional Committee shall be handed over, after the meeting, in a sealed envelope addressed to the Vice-President (Fellowship Affairs) of the Academy.

Selection by the Council

The Council will select candidates for this award at the meeting in the month of July, based on the reports received from the Conveners of Sectional Committees.
Announcement of the Awards

The names of the Young Scientists selected for the award by the Council shall be announced at the Ordinary General Meeting in the month of July and subsequently communicated to the awardees/Fellowship.

Presentation of the Medals

The presentation of Medals will be made by the President, INSA, at the time of Anniversary General Meeting.

For receiving the medal, the awardees (along with spouse or one accompanying person) will be paid travel expenses to cover the actual II AC rail fare and local conveyance as applicable. Reimbursement will be made on production of supporting documents.

The Academy would bring out a brochure containing contributions of the Young Scientists for the award at the time of the presentation of the award.

Value

The award shall consist of a bronze medal of the following specifications:

(i) Size : 6.35 cm in diameter
(ii) Weight : About 114 grams
(iii) Design

   Obverse : Name of Medal (in Devanagari character)
             Name of the recipient (in Devanagari characters)
             Year (in International numerals)

   Reverse : Seal of the Academy

Each awardee will be presented a Medal, a certificate and cash prize of Rs. 50,000/-. 

*2. Professor LSS Kumar Memorial Award

Established in 1986 out of an endowment by Mrs K Kumar, widow of Professor LSS Kumar, to commemorate the memory of Professor LSS Kumar, an eminent Fellow known for his contributions to Genetics and Plant Breeding.

Eligibility and Value

The award shall be given to a recipient of INSA Medal for Young Scientists for the year in the disciplines of Plant Sciences (Sectional Committee VII), Animal Sciences (Sectional Committee VIII) and Agricultural Sciences (Sectional Committee XII) by rotation, i.e. first award will be made to Plant Sciences, second to Animal Sciences and the third to Agricultural Sciences and the cycle would repeat. In case of more than one person being recommended by the Sectional Committee for the award of the INSA Medal for Young Scientists, the person who is first in order of merit in the list shall be given the award. The award will consist of Rs 1,000/-.
Announcement and Presentation of the Award

The name of the scientist selected for the award shall be reported at the meeting of the Council to be held in July/August. The award shall be presented at the time of the presentation of the INSA Medals for Young Scientists in December.

*3. Anil Kumar Bose Memorial Award

Established in 1987 from donations received from the family of late Shri Anil Kumar Bose, formerly Executive Secretary, INSA, his friends and Fellows.

Eligibility

The award is open to the recipients of INSA Medal for Young Scientists below the age of 40 years as on 31 December preceding the year of award.

Number and Scope

Two awards (one in Physical Sciences and one in Biological Sciences) shall be made for the best research paper published in a reputed Journal by the recipient of INSA Medal for Young Scientists on the work done in India in the subjects falling under Sectional Committees I to VI and VII to XII within five years from the date of receipt of the award of INSA Medal for Young Scientists. The period under consideration for the first award to be given in October 1988 at the Annual General Meeting will be last five calendar years, i.e. 1983-1987. In subsequent years, the period under consideration would be past five years.

Value

The value of the award will be Rs 1,000/-, a bronze medal and a certificate. The recipient will be paid travel expenses to cover actual second AC rail fair and local conveyance as applicable. Reimbursement will be made on production of supporting documents.

Entries for the award shall be submitted by the eligible candidates in the prescribed form enclosing the following:

(a) 15 copies of best research paper.

(b) 15 copies of complete list of publications.

(c) A complete set of all the papers published after the young scientist award. The last date for receipt of entries in the Academy shall be 15 January.

Advisory Committee

The Advisory Committee to recommend names for the award shall consist of President, Vice-President (Publications/Informatics), Vice-President (Fellowship Affairs), Conveners of Sectional Committees concerned and one or two experts, if necessary, nominated by the President. The Advisory Committee will meet in April/May at the time of meetings of Sectional Committees.
Selection and announcement of the award

At the meeting of the Council to be held in July, the recommendations of the Advisory Committee will be considered and decision taken regarding the awards. The names of the awardees will be intimated to the Fellowship.

Presentation of award

The presentation of the award will be made at the Anniversary General Meeting.

4. Professor Har Swarup Memorial Award

Established in 2016 out of an endowment by the family of Professor Swarup to commemorate the memory of late Professor Har Swarup, a distinguished Fellow of the Academy known for his researches on endocrinology, physiology and developmental biology.

Number and Scope

To be awarded once in three years for the best research paper published in a reputed journal by the recipient of INSA Medal for Young Scientists on the work done in India in any branch of Biological Sciences within three years from the date of receipt of the award of INSA Medal for Young Scientists. The first award will be given in 2019.

Nominations for the award shall be submitted by the eligible candidates in the prescribed form enclosing the following:

(a) One copy of best research paper.
(b) Complete list of publications.

The last date for receipt of entries in the Academy shall be 31 January.

Value

The value of the award will be Rs 25,000/-, a bronze medal and a certificate. The recipient will also be paid second class AC Sleeper rail fare for receiving the award.

Advisory Committee

The Advisory Committee to recommend names for the award shall be constituted by the President, INSA. The Advisory Committee will meet in April/May at the time of meetings of Sectional Committees.

Selection and Announcement of the Award

At the meeting of the Council to be held in July, the recommendations of the Advisory Committee will be considered. The name of the awardee shall be announced at the Annual General Meeting in the month of July.
Presentation of Award

The presentation of the award will be made by the President, INSA, at the time of Anniversary General Meeting.

(E) INSA TEACHERS AWARD

Scope
To recognize and value excellence, consistency and high level of teaching in Indian Colleges, Universities and Institutions, the Academy instituted INSA Teachers Award in 2012. The award shall be made annually to recognize and honour teachers for providing guidance, inspiration and mentoring students to take up careers in Science and Technology. All disciplines of Science and Technology including Medical & Engineering Sciences come under the purview of this award.

Eligibility

a) The award shall be made to outstanding teachers currently working or worked in India, with at least 20 years of teaching experience at undergraduate or postgraduate level in any Indian College/University/Institution.

b) Maximum age limit is 55 years as on December 31 of the year preceding the year of the award.

c) The award will not be offered to Fellows of any of the national academies. It will also not be offered to anyone who is Vice-Chancellor of a University, Director of an Institution/laboratory and/or holding a position where his/her teaching is restricted.

d) Selection will be based on consistent excellence in teaching as evident from performance of students, inspiring students to take up careers in Science and Technology, introducing novel teaching methods, experiments and materials, and pedagogy. Active involvement in science popularization and outreach activities will be an additional consideration.

Number of Awards

The number of awards to be made in any year shall be up to 12.

Nominations and Last Date

A notification inviting nominations for the award shall be issued each year in the month of April.

A teacher may be nominated by Fellows of INSA, Principal of a College, Vice-Chancellor of a University, Director of an Institution, a colleague or by a former student who is associated with an academic/R&D institution. The nominator may forward only one nomination in a year.

A nomination shall remain valid for consideration for two consecutive years or the eligibility age, whichever expires earlier.

The nomination shall be made in the prescribed format. A soft copy (in MS-Word/Pdf only), along with all supporting documents, must reach the Academy latest by May 15.

Selection Committee for the Award

Nominations shall be considered by a nine member Committee duly constituted by President, INSA. Each member in this committee will serve for a period of three years. One third of the members will
retire every year. No new names should be discussed and proposed during the meeting. The Committee shall place its recommendations to the Council in October meeting for final approval.

Particulars of such candidates whose details/areas of specialization are not clearly represented among the members of the Committee may be referred to appropriate experts as identified by the Committee members preferably amongst the Fellows of the Academy.

**Announcement of the Awards**

The names of the awardees selected for the award shall be announced in the Annual General Meeting in the month of July and subsequently communicated to the awardees.

**Presentation of the Award**

The presentation of the Awards shall be made by the President, INSA, at the time of Anniversary General Meeting.

For receiving the award, the awardees (along with spouse or one accompanying person) will be paid travel expenses to cover the actual airfare (economy) by Air India only and local conveyance as applicable. INSA will help in providing local hospitality. Reimbursement will be made on production of tickets.

**Value**

Each awardee will be presented a scroll and a cash award of Rs. 50,000. In addition, the awardee will also be eligible for a onetime book grant up to Rs. 20,000. For this, appropriate bills may be submitted to the Academy for the re-imbursement.

**F** INSA YOUNG HISTORIAN OF SCIENCE AWARD

The Academy has instituted an **INSA Young Historian of Science Award** in 2014 with the aim of recognizing young historian of science of extraordinary promise and creativity who have made notable research contributions in areas related to History of Science. This award, considered to be the highest recognition of promise, creativity and excellence is made annually to those historians of science distinguished for these attributes as evidenced by their research work carried out in India or abroad.

The awardee shall receive a **certificate**, a **bronze medal** and a cash award of **Rs. 25,000/-**.

A candidate may be nominated by a Fellow of the Indian National Science Academy and other National Scientific societies, Vice-Chancellors of Universities and Heads of Research Institutions. Nomination proforma can be downloaded from website www.insaindia.res.in.
GUIDELINES FOR THE AWARD OF ACADEMY MEDALS/PRIZES/LECTURES

1. **Periodicity:** All Academy Medals/Prizes/Lectures will be awarded once in three years.

2. **Eligibility:** A person shall not be eligible for more than two awards excluding the General Medals, International Medals and Medals related to Young Scientists.

   The selection for General Medals which are given for outstanding contributions in any branch of science coming within the purview of the Academy, may be made from distinguished scientists in recognition of their service to the Academy or to science.

   The selection for Subjectwise Medals/Lectures should be made from persons who have made outstanding contributions to the discipline of science for which the awards are allocated.

   The awards shall normally be given to Fellows. In exceptional circumstances, and in certain areas where nominees are likely to be from a broader base, they may be awarded to non-Fellows.

3. **Presentation of award and delivery of lecture:** The presentation of the award will be made to each recipient after he/she delivers the award lecture. The lecture will be arranged under the aegis of INSA Local Chapter unless otherwise stated. The summary of the award lecture will be included in INSA News and the full text in *Proceedings* of the Academy.

   TA/DA will be paid to the Awardee for delivering the award Lecture.

4. **Specification of the Medal:** The specifications of the Medal (Copper Medal, Gold/Silver plated or the Bronze medal as the case may be) will be as follows:

   (i) **Size** : 6.35 cm in diameter

   (ii) **Weight** : About 114 grams

   (iii) **Design** :

        *Obverse:* Name of the Medal and the Recipient *in Devanagari characters* Year of the Award (in International Numerals)

        *Reverse:* Seal of the Academy
GUIDELINES FOR ACCEPTING ENDOWMENTS FOR INSTITUTING AWARDS

1. Endowments shall not be operated in the name of a living Fellow.
   These endowments will be used to create a medal or lecture award or for a named travel fellowships.

2. The minimum endowment amount acceptable shall be Rs. 10 lakhs.

3. The endowment amount shall be invested by the Academy to earn maximum interest.

4. 10% of the income accruing from the endowment fund shall be credited to INSA fund for recovering some of the administrative expenses involved in administering the award.

5. The scope of the award should be as broad as possible and should not be restricted to specific subdivision of science.

6. The award will be made once in three years.

7. No award will be established in the name of a non-scientist.

8. The award may consist of a cash prize and a bronze medal. The recipient may also be paid TA/DA for journeys performed for delivering the award lecture. Expenditure on TA/DA shall be charged to the income from endowment fund. The venue of the award lecture shall be decided by the Council.

9. In addition to establishing an endowment lecture/medal, the Council will also accept endowments to establish **Young Scientists Travel Award** for supporting young researchers to attend International conferences/workshops/training programmes or for them to undertake a visit for collaborative work connected with their research project within the country or abroad.

10. The selection and other conditions of the award shall be governed by the regulations as may be framed by the Council.

11. Council of the Academy will have a right to amend any regulation concerning operation of the endowment and of the award.
JAWAHARLAL NEHRU BIRTH CENTENARY VISITING FELLOWSHIP

REGULATIONS

1. Name of Fellowship
The Fellowship established in 1989 shall be called the “Jawaharlal Nehru Birth Centenary Visiting Fellowship”. The first Fellowship shall be awarded for the year 1991.

2. Objective
The “Jawaharlal Nehru Birth Centenary Visiting Fellowship” is established to commemorate Pt. Jawaharlal Nehru’s support for science. This lectureship would enable the Academy to project the progress made by India in Science and Technology in the countries abroad.

3. Number of Fellowship
One Fellowship would be awarded once in three years and would not be restricted to the countries with whom INSA has Exchange Programme.

4. Duration of Visit
The scientists selected by INSA under this Fellowship would be deputed to undertake a visit upto the period of 4 weeks in one or two countries to be specified each year.

5. Procedure of Selection
President, INSA, shall appoint a Search Committee to select the name of a distinguished scientist for the Fellowship for the ensuing year in any field of Science and Technology. The Committee shall consist of 4 members including President, INSA who will be the Chairman of the Search Committee. The name selected by the Search Committee shall be reported to Council at its October meeting.

6. Announcement of Fellowship
The name of the scientist selected for the Fellowship shall be announced at the Annual General Meeting of the Academy in October preceding the year of the Fellowship.

7. Value of the Fellowship
INSA would meet the cost of return passage of the awardee from the place of duty to the place of last destination. If the awardee desires to visit a country with whom INSA has exchange programme, the cooperating Academy/Organisation of that country would be requested to provide local hospitality for a period upto 4 weeks. In that case INSA would provide him/her $ 20 per day for incidental expenses. For other countries INSA may provide $ 120 per day for board and lodging and meet the cost of medical and other insurances.

8. Report of Visit
The scientist would submit a report of visit within two months.
# RECIPIENTS OF INSA MEDAL FOR YOUNG SCIENTISTS 1974-2018

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>1981</td>
<td>Chatterjee RN</td>
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</tbody>
</table>

*Elected INSA Fellow
Chaudhuri BK
Das UC
Joshi JB*
Katti CP
Kota VKB
Kulkarni BD*
Kunwar AC
Lala AK*
Mohandas S
Nagaraj R*
Nagarkatti PS
Pain D
Rentala N
Sainis KB
Sidhu KS
Srivastava SM
Tripathi RD
Vittal KPR
Yadav RL

1982
Anand A*
Bhatia R*
Gadre SR*
Ghosh DP
Goela JS
Gupta G
Gupta SK*
Gupta YK
Hasan SS
Jemmis ED*
Kaul RK*
Mohan Kumar N
Ramanuja Rao IV
Raychaudhuri A*
Seccharaman V
Sivakumar MVK

1983
Aggarwal PK
Bhat D*
Haldar Misra C
Jha S
Krishnamurthy HR*
Lamba VJ
Lobo MLR
Malakondaiah G
Prasad BVV
Ram Babu HV
Rana NC
Sarma DD*
Sastri DC
Saxena AK
Srivastava AK
Tuli R*
Yadav RB

1984
Chakrabarti BK*
Giri AK*
Gupta PD
Hosur RV*
Kulkarni RN
Lavania UC*
Padmanabhan T*
Rao N Hanumantha
Ray DS*
Sastry GVS
Sharan M*
Singh SK
Srivastava Nalini
Thakur MK
Viswanathan K

1985
Brahmachari Vani*
Dutta A
Gadagkar R*
Ganesh KN*
Jain Sudha
Karandikar RL*
Krishna KR
Ogale S
Radhakrishna T
Rai A
Raka Madhu
Ramaswamy R*
Saikia DJ
Singh VP
Sundararajan G*
Venkataramani N

1986
Bagchi B*
Basra AS
Battacharyya K
Chary KVR*
Gowrishankar J*
Home D
Koul SK
Mehrotra R
Mishra B
Sampathkumaran EV*
Sekhar JA
Sekharudu YC
Sharma A*
Upadhyay RS
Varadachari Chandrika

1987
Biswas DJ
Biswas SK
Datta Dipankar
Jarori Gotam K
Jeenathan C
Khan Mohd Islam
Kumar Ajay
Kumar PA
Lakhan Sujata
Mehrotra Priti
Misra RDK
Pal Sourav*
Pande Gopal
Ramesh R*
Srikrishna A*
Srinivas Vasudevan*

1988
Arora VK
Chaturvedi MM
Durga Prasad M
Jayaraman A
Mahata SK
Majumder K
Nautiyal CM
Pandit Rahul*
Samuelson AG
Sarkar Utpal*
Sharma Eklabya*
Singh Zora
Srikant YN
Visweswariah SS*

1989
Basu Joyoti*
Chanda Bhabatosh
Chandrasekhar V*
Chowdhury D*
Dadhwal VK
Deobagkar Deepti D
Dey GK*
Dikshit Madhu*
Mandal B
Mehta Anurag
Mohan Anand
Mohan S
Nitsure Nitin
Pande Kanchan
Ramesh N
Ray Debraj
Saluja Daman
Viswanathan N

1990
Asokan S
Chakrabarti SK
Chari Vyjayanthi
Chattaraj PK*
Das P
Dattananda CS
Grover A*
Joshi RR
Kaul RK
Mukhopadhyay NK
Nityanand Soniya
Sarkar A*
Singh SM
Venkataramana TN*

1991
Ajayaghosh A*
Amarendra G
Bagchi SN
Bhaskarwar Ashok N
Chakrabarti PP*
Das Bibhu Ranjan
Kumar Vinay
Mazumdar S
Mohanty Ajit Kumar
Murthy C Siva Ram*
Padma S
Rajaram Nirmala
Sengupta Pulak*
Uma Kuchibhotla

1992
Basu Partha
Bhatt JR
Gaikar VG
Ghosh SK
Gupta Vibha
Hayaran Archana
Kumar Anil
Mandal N*
Manna Indranil*
Mehta Anuradha
Mukhopadhyay J
Naik NR
Pandey S
Radhakrishnan TP*
Ramachandran HS
Ramesh DS
Tripathi Renu

1993
Balasubramaniam R
Chakraborty Tapas
Chaudhury Santanu
Dhawan Alok
Garde Chandrasekhar S
Goyal Neena
GuptasarmaPurnananda
Jood Sudesh
Kumar Alok
Puri Sanjay*
Ramesh R
Ray Samit Kumar
Singh Narinder*
Sujatha R*
Teni Tanuja R

1994
Bhagat Lakshmi
Bhandari SK
Chowdhury DR
Jain Sudhir Ranjan
Kinger Asha Kiran
Mohan G
Mohapatra T*
Parameswaran AJ
Raghubanshi AS
Rangarajan PN
Ray Debashish
Singh Ashok Kumar
Singh-Sangwan N
Tribedi LC
Venkatesh R

1995
Alam Jane
Banerjee Mohua
Chandra Amalendu*
Das Indranil
David Sunil Abraham
Ghosh Ashish
Jayadeva
Kumar Sanjay
Manna Dipankar
Mukherjee Sushmita
Mukhopadhyay CK
Murty Budaraju S*
Porsezian K
Shah Riddhi
Tahseen Qudsi

1996
Basak Jayanta
Chakravarty C*
Chandrasekhar Srivari*
Dhar Manoj Kumar
Geetha L
Ghosh Kartik Chandra
Habib Saman
Kumar Sanjay
Kumaran Viswanathan*
Kumarashwathi
Raman Bakthisaran

*Elected INSA Fellow
1997
Bhat BV Rajarama*
Das B
Das TK
Gahalaut VK
Khan FA
Mazumdar C
Ramachandran S
Rao BSS
Senthilkumaran P
Srianand R
Suresh V*

1998
Awana VPS
Bashyam MD
Bhatt AG
Ghosh HN
Guha Suranjana
Gupta SK
Gupta Taruna Madan
Kannan S
Lakshminarayan A
Lele AK
Majumdar SN
Manglik A
Narayan JP
Pandit Alka
Reddy JJ
Sane AP
Sharma VK*
Sridharan R

1999
Agarwal Rajiv
Chandran Mahesh
Dasgupta P
Emerald BS
Gahalaut Kalpna
Ghosh Sandip
Khare C
Mittal Sanjay*
Rathore D

2000
Arvind
Bandyopadhyay S*
Bhardwaj Dheeraj
Datta Malabika
Mahapatra Susanta
Pal Arupkumar
Pal Debnath
Ray JS
Tiwar MV

2001
Harikaran R
Krishna MMG
Krishnamurthy M
Nagendra Harini
PadiathQS
Patel VV
Ratnaparkhi GS
Roy Lopamudra
Singh Baljeet

2002
Banerjee SS
Kannan Natarajan
Mishra Sukumar
Mohapatra DK
Nath Sukhendu
Roy Sudipto
Safvan CP
Satheesh SK*
Raja Sekhar GP
Shenoy VB

2003
Ahmad Altaf
Anil Veena S
Bhattacharya S
Chakraborty Suman
Guhan N
Holla Yogish I
Jhaveri Dhanisha
Mohanty B

2004
Agarwal Tushar
Bhattacharyya SN
Fernandes RA
Ghazi Arjumand
Goswami Debashish
Gujral HS
Harinipriya S
Marhas Kuljeet Kaur
Meena Balaraman
Patwardhan AW
Radhakrishna Sindhu
Rudrabhatla Parvathi
Shankar Vishwanthan
Sreenivas G
Upadhyaya A

2005
Banerjee S
Basu B
Chandrakumar KRS
Chakraborty PS
Choudhury D
Dalai TK
Jain SL
Karmkar S
Krupa A
Kshetrapal P
Perumal A
Richa Rikhy V
Roy A
Sandeeup K
Sharma PK
Stephen J
Vohra A

2006
Babu S Suresh
Chakrabarti S
Chandra Poonam
Datta AB
Garg Naveen
Ghosh S
Hossain GM
Hotha Srinivas
Joshi PK
Joshi YM
Kessarkar PM
Mishra Vandana
Modi DN
Prakash Pracheta
Ramachary DB
Roy A Ghosh
Sawant SV
Selvin J
Sunoj RB
Trivedi OA

2007
Agarwal AK
Banerjee S
Bisht NC
Chandran L Sunil
Dhawan S
Ghosh S
Gupta A
Gupta A
Jain M
Jana T
Kulwal PL
Kumar A
Manimekalai R
Mondal M
Nair S
Panjabi P
Ramakrishna SA
Ranganathan A
Ravi Kumar MNV
Sandhu AS
Satheshkumar PS
Sethi DK
Sodhi NS
Sriram V
Vasa P
Vidya TNC

2008
Ahmed KA
Anandavardhanan UK
Bose Sangita
Chaterjee Saibal
Dey Sagnik
Gadgil S
Ganguly Agneyo
Garg Ashish
Gharpure SJ
Gogate PR
Iyer PK
Kavitha T
Kumar PS
Mukherjee PS
Nagarajan R
Pal Bipul
Pal Dinesh
Prabhudesai VS
Qamra Rohini
Sarkar RR
Sharma Deepak
Siddappa NB
Simanshu DK
Sinha Sharmistha
Sundar Durai
Thakur JK
Varshney RK*
Yadav SK

2009
Anand Govindan V
Atrey HS
Bhadra Anindita
Bharali Gautam
Bharti Alok Chandra
Brinda KV
Chakraborti Anirban
Chaturvedi CP
Dabeeer OJ
Gandhe AS
Ghosh Anil Kumar
Gonnade RG
Krishnan Yamuna
Kulkarni AA
Kumar Brijesh
Mahajan Namit
Mallappa Chandrashekara
Mohapatra JK
Mukhopadhyay Soumik
Patil SA
Pillai BR
Prasad Kalika
Purkait MK
Rajeev PP
Ramesh KV
Tiwari Manish
Venkatasubramanian G
Yadav Manoj Kumar

2010
Bahadur RP
Bajaj Kanika
Baskar V
Biswa Krishanu
Chandrashek A
Datta Ayan
Dey Sutirth
Dixit NM
Hendre PS
Jha Gopaljee
Kumar KK
Kumar Niti
Kumbhakar Manoj
Misra Santanu
Mitra Supriyo
Mukhopadhyay D
Nandi Dhananjay
Natarajan Vijay
Paila Yamuna Devi
Pakshirajan Kannan
Parida SK
Patil Nitin T
Prasad A
Rana SS
Roy Choudhury S
Saravanan M
Sawarkar RS
Shankaranarayanan S
Shukla RK
Srivastava Tapasya

*Elected INSA Fellow
2011
Ananth Sudarshan
Arun Kumar KP
Biswa Kingshook
Bose Dasgupta Sombeb
Chaki Moumita
Choudhury Sharmistha D
Dasgupta Basudeb
Dewangan Pawan
Divya Lekha
Fathima Nishter Nishad
Ghosh Ananda Kumar
Govindraju
Guha Roy Mainak
Gupta Tarun
Jain Sanyog
Kumar Amit
Kumar Dhiraj
Mabalirajan Ulaganathan
Majee Manoj
Maji Pradipita
Misra Deepankar
Naimuddin Md
Nair Sivadasan Vijaykumar
Pani Tapan Kanti
Priyakumar U Deva
Roy Amit
Singh Rajender
Vishnoi Nisheeth Kumar
Yadav Gitanjali

2012
Agarwal Pinky
Bandyopadhyay Samiran
Bera Melinda Kumar
Bhattacharyya Partha
Biswas Kaushik
Chakraborty Kausik
Chandra Vivek
Chaturvedi Rajnish Kumar
Chavali Sreenivas
Das Siddarth Shankar
Dasgupta Suman
Ghosh Subimal
Gopalan Aravind
Hussain Tanveer
Kayal Neeraj
Mallik Moushmani
Mondal Partha Pratim
Mukherjee Saptarshi
Ojha Maheswar
Patel Nityinkumar L
Rub Abdur
Sahoo Bijaya Kumar
Saxena Rachit Kumar
Sen Pratik
Singh Ajay
Singh Amanjot
Singh Amit Kumar
Sridhar P Ramu
Srivastava Vimal Chandra
Tiwari Supriya

2013
Abhilash PC
Biswa Imran Habib
Chavali PL
Dwivedi Suneet
Ghosh Sujit Kumar
Grover Abhinav
GV Pavan Kumar
Jeganmohan Masilamani
Kar Susanta
Kota Murali
Kommireddy Vasu
Mandal Sumantra
Mishra Amit Kumar
Misra Abha
Mitra Aniruddha
Mrinal Nirotpal
Nair Nisanth Narayanan
Nair Shiny Narayanankutty
Rajaraman Gopalan
Raju Suvar
Roy Nirupam
Sahu Kirti Chandra
Saraswar Rajeev
Sengupta Sonali
Sharma Pradeep
Trivedi Arun Kumar
Upadhya Santosh Kumar
Vaish Rahul
Vaze Rahul
Wahi Pankaj

2014
Agarwalla Sanjib Kumar
Bose Suryasarathi
Chakraborti Sayan
Chandrasekharan Nair Vinceeth
Chatterjee Abhijit
Das Soumya
Garg Rohini
Ghosh June
Gupta Neena
Hogadi Amit Pratap
Jash Sukanta
Karri Mani Krishna Venkata
Kumar Ashutosh
Kumar Mahesh
Lata Charu
Maiti Debabrata
Misra Rajneesh
Mukherjee Animesh
Mukherjee Santanu
Palit Mithun
Pananghat Gayathri
Pant Vimal
Radhakrishnan Mahalakshmi
Rout Prakash Chandra
Singh Ram Pratap
Singh Sunil Kumar
Srivastava Ashish Kumar
Verma Gaurav
Viswantha Ranjani
Yadav Vijay Pal

2015
Anand B
Augustine Rehna
Bhowmick Jyotishman
Das Arup Kumar
Dhaka Rajendra Singh
Ghosh Sumit
Giri Jitender
Gupta Ashish
Gurao Nilesh Prakash
Jain Tanvi
Jain Vikas
Khan Sameena
Kudapa Hima Bindu
Mandal Biman Behari
Naganathan Athi N
Nair Rajesh V
Pal Santanu Kumar
Parkar Vivek Vijay
Pazhamalai Anbarasan
Prajapati Vijay Kumar
Ray Upasana
Saxena Nitin
Shanmugam Maheswaran
Singh Narendra Pratap
Singh Pankaj Kumar
Sridhar Hari
Tiwari Shashi Kant
Tripathy Gyana Ranjan
Yadav Shri Ram
Rotti Swathi Srinivasamurthy
Saha Chandan
Somlata
Srinivasan Srikanth

2017
Agarwal Swati
Baidya Md Mahiuddin
Basu Priyoneel
Bhattacharyya Sanchari
Bist Vashist
Biswa Anup
Chakraborty Kunal
Chaudhuri Swetapuro
Choudhury Debraj
Dar Srishit
Datta Riddhi
Dhandapani Yogeshwaran
Gayen Dipak
Holla Sahana
Jagadeesan Dinesh
Kumar Smita
Nandy Bodhisatta
Ninan Joe Philip
Pandey Ashutosh
Patil Ruchika Kiran
Prasad Kartik
Pratihar Sanjay
Reddy Uday Kumar B
Rengan Aravind Kumar
Sen Arnab
Shetty Sunil
Singh Vikas Kumar
Sinha Devanjan
Thakur Jitendra

Anil Kumar Bose Memorial Award

1988 Jemmis ED
1989 Biswas DJ
1989 Chary KVR
1990 Bagchi B
1991 Sharma Anurag
1992 Datta Dipankar
1993 No Award
1994 Chakrabarti SK
1995 Chakrabarti PP
1996 Mazumdar S
1996 Guptasarma P
1997 Chandra Amalendu
1998 Porsezion K
1998 Raman B
1999 Chakravorty C
1999 Jain SR
2000 Ghosh HN
2001 Khan FA
2001 Sharma VK
2002 Mittal Sanjay
2003 Narayan JP
2004 Mahapatra S
2004 Venkatesh KV
2005 Patel Vijay V
2006 Raychaudhuri P
2007 Chakraborty S
2008 Anil Veena S

2018
Ahmad Hafsa
Badhulika Sushmee
Bhakta Mousomi
Das Gupta Mainak
Gupta Mehak
Gupta Neha
Huilgol Dhananjay
Jana Biman
Jha Somnath
Kaur Charanpreet
Koley Ujjwal
Muthamilarasen M
Mishra Ratnesh Chandra
Mukesh
Mukherjee Budhaditya
Paranjape Aseem Sudhir
Vinu R
Rajawat Ketan
Routh Satya Brata
Vijayan S
Sen Santara Sumit
Sen Sakya Singh
Sharma Mahak
Sharma Prerna
Shrivastava Mayank
Singh Sanjay
Somajit Kumar
Thakur Shallu
Tiwari Vishvanath
Volla Chandra MR
Academy Awards

2009  Selvin J  2010  Sawant SV  2011  Jain Mukesh
2010  Ramachary DB  2011  Gogate PR

Professor LSS Kumar Memorial Award

1986  Upadhyay RS  1995  No Award  2004  Rudrabhatla P
1988  Singh Zora  1997  No Award  2006  Selvin J
1990  Singh SM  1999  Emerald BS  2008  Pal Dinesh
1991  No Award  2000  No Award  2009  Mohapatra JK
1992  Bhatt JR  2001  Nagendra H  2010  Shukla RK
1994  Mohapatra T  2003  Ahmad Altaf

Professor Har Swarup Memorial Award

Nil

RECIPIENTS OF INSA TEACHERS AWARD 2012-18

2012
Dhamodharan R
Elias AJ
Gautam P
Mazumder Shibnath
Nair AS
Pandi AS
Pandit AB*
Pati PK
Yadav RR

2013
Chaudhuri AN
Donde SU
Dube RK
Eswaran SV
Hegde VS
Kumaresan S
Mani HS
Ravishankar Lakshmy
Riesz RP
Sahu PP

2014
Dasgupta Somnath*
Kumar Anil
Kumar Arvind
Mallik Asok Kumar*
Patil Sharashchandra
Harishchandra
Ranganathan Subramania*
Roy Bimal Kumar
Som Sankar Kumar
Verma Satish Chander
Wadia Murzban Sorab

2015
Cherkupally SR
Jaggi Seema
Joag SD
Keshavamurthy Prakash
Mishra RK
Mukhopadhyay Joydip
Pandya TC
Parkash Ravi

Rangwala AA
Rao TR
Sahadevan Ramajayam
Vellat KK

2016
Bekkam VR
Bhagwat SS
Burma PK
Islam NS
Kakkassery JT
Kale SN
Lalitha CS
Mallick AB
Narayanasamy Nandita
Santhanam G
Sreeman SM
Subraya Bhat DN
Verma MK

2017
Alagappan AL Ramanathan

* Fellow
Bhagat Sunita
Chaturvedi AK
Chugh Renu
Das Pratulananda
Gadre VM
Hazarika Ajit
Keshavamurthy Srihari
Misra Somen
Nandula Raghuram
Phookun Bikram
Rao SBS
2018
Ali Javed
Bajpai Urmi
Dutta AK
Ganai NA
Iyer RR
Jha PK
K Vijaya Kumar
Mukherjee AK
Mukhopadhyay Achintya
R Sivaraman
R Vasudeva
Taraphder Srabani

RECIPIENTS OF INSA YOUNG HISTORIAN OF SCIENCE AWARD 2014-18

2014 Pai Venketeswara R
2015 Mahesh K
2015 Sharma Rohit
2016 Mishra Anuj
2016 Keerthi Naresh
2017 Yadav Nisha
2018 Ramnath Aparajith
# RECIPIENTS OF MEDALS/LECTURES/AWARDS

## INTERNATIONAL AWARDS

**INSA-Vainu Bappu Memorial Award**

<table>
<thead>
<tr>
<th>Year</th>
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<tr>
<td>1985</td>
<td>S Chandrasekhar</td>
</tr>
<tr>
<td>1986</td>
<td>M John Rees</td>
</tr>
<tr>
<td>1987</td>
<td>G Swarup</td>
</tr>
<tr>
<td>1988</td>
<td>JV Narlikar</td>
</tr>
<tr>
<td>1989</td>
<td>G Burbidge</td>
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<td>1990</td>
<td>AA Penzias</td>
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<tr>
<td>1990</td>
<td>RW Wilson</td>
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<td>1991</td>
<td>AK Raychaudhuri</td>
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<td>1992</td>
<td>RR Daniel</td>
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<td>1993</td>
<td>JP Ostriker</td>
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<td>1994</td>
<td>B Buti</td>
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<td>1995</td>
<td>SM Chitre</td>
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<td>1996</td>
<td>A Hewish</td>
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<td>1997</td>
<td>R Cowsik</td>
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<td>1998</td>
<td>KD Abhyankar</td>
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<tr>
<td>1999</td>
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<td>2002</td>
<td>No Award</td>
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<td>2003</td>
<td>Sir Michael Atiyah</td>
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<tr>
<td>2004</td>
<td>Hubert Curien</td>
</tr>
<tr>
<td>2005</td>
<td>Yuan T Lee</td>
</tr>
<tr>
<td>2006</td>
<td>VG Kadyshhevsky</td>
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<tr>
<td>2007</td>
<td>Paul J Crutzen</td>
</tr>
<tr>
<td>2008</td>
<td>David King</td>
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**Jawaharlal Nehru Birth Centenary Medal**

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
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<tbody>
<tr>
<td>1990</td>
<td>Karl Sune Bergstrom</td>
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<td>1993</td>
<td>Sir Michael Atiyah</td>
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<td>1996</td>
<td>S Nagakura</td>
</tr>
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<td>1999</td>
<td>F Gros</td>
</tr>
<tr>
<td>2000</td>
<td>Bruce Alberts</td>
</tr>
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<td>2001</td>
<td>Hubert Markl</td>
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<td>2002</td>
<td>No Award</td>
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<td>2003</td>
<td>Hubert Curien</td>
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<td>2004</td>
<td>Yuan T Lee</td>
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<tr>
<td>2005</td>
<td>Paul J Crutzen</td>
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<td>2006</td>
<td>R Chidambaram</td>
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<tr>
<td>2007</td>
<td>N Sathyamurthy</td>
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## GENERAL MEDALS & LECTURE AWARDS

**The Chandrasekhara Venkata Raman Medal**

<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
<tr>
<td>1979</td>
<td>Salim Ali</td>
</tr>
<tr>
<td>1982</td>
<td>GN Ramachandran</td>
</tr>
<tr>
<td>1985</td>
<td>MGK Menon</td>
</tr>
<tr>
<td>1988</td>
<td>C Gopalak</td>
</tr>
<tr>
<td>1991</td>
<td>AP Mitra</td>
</tr>
<tr>
<td>1993</td>
<td>G Swarup</td>
</tr>
<tr>
<td>1995</td>
<td>AS Paintal</td>
</tr>
<tr>
<td>1997</td>
<td>PN Tandon</td>
</tr>
<tr>
<td>1999</td>
<td>SK Joshi</td>
</tr>
<tr>
<td>2001</td>
<td>S Varadarajan</td>
</tr>
<tr>
<td>2003</td>
<td>G Mehta</td>
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<tr>
<td>2005</td>
<td>MS Bamji</td>
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**The Shanti Swarup Bhatnagar Medal**

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
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<tbody>
<tr>
<td>1959</td>
<td>Atma Ram</td>
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<tr>
<td>1962</td>
<td>No Award</td>
</tr>
<tr>
<td>1964</td>
<td>TR Seshadri</td>
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<tr>
<td>1966</td>
<td>DS Kothari</td>
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<tr>
<td>1968</td>
<td>P Ray</td>
</tr>
<tr>
<td>1970</td>
<td>S Bhagavantam</td>
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<tr>
<td>1972</td>
<td>No Award</td>
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<tr>
<td>1974</td>
<td>AN Khosla</td>
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<tr>
<td>1976</td>
<td>No Award</td>
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<tr>
<td>1979</td>
<td>Braham Prakash</td>
</tr>
<tr>
<td>1982</td>
<td>TR Anantharaman</td>
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<tr>
<td>1985</td>
<td>R Narasimha</td>
</tr>
<tr>
<td>1988</td>
<td>Dinesh Mohan</td>
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<td>1991</td>
<td>BK Bachhawat</td>
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<td>1993</td>
<td>MA Viswamitra</td>
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<td>1995</td>
<td>CS Seshadri</td>
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<tr>
<td>1997</td>
<td>R Kumar</td>
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<td>1999</td>
<td>G Padmanaban</td>
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<tr>
<td>2001</td>
<td>RA Mashelkar</td>
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<td>2003</td>
<td>NH Wadia</td>
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<td>2005</td>
<td>P Ramachandra Rao</td>
</tr>
<tr>
<td>2007</td>
<td>NK Ganguly</td>
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<tr>
<td>2010</td>
<td>Anupam Varma</td>
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<tr>
<td>2013</td>
<td>Indira Nath</td>
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<td>2016</td>
<td>V Ravindranath</td>
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### The Meghnad Saha Medal

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<tr>
<td>1958</td>
<td>SN Bose</td>
<td>1978</td>
<td>DS Kothari</td>
<td>2000</td>
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<tr>
<td>1961</td>
<td>HN Bhabha</td>
<td>1981</td>
<td>MS Swaminathan</td>
<td>2002</td>
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<tr>
<td>1963</td>
<td>DN Wadia</td>
<td>1984</td>
<td>R Ramanna</td>
<td>2004</td>
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<tr>
<td>1965</td>
<td>DM Bose</td>
<td>1987</td>
<td>Sukh Dev</td>
<td>2006</td>
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<td>1967</td>
<td>No Award</td>
<td>1990</td>
<td>CNR Rao</td>
<td>2009</td>
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<td>1971</td>
<td>TR Seshadri</td>
<td>1994</td>
<td>MM Sharma</td>
<td>2015</td>
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<td>1973</td>
<td>No Award</td>
<td>1996</td>
<td>SV Kessar</td>
<td>2018</td>
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<td>1975</td>
<td>TR Govindachari</td>
<td>1998</td>
<td>AK Sharma</td>
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### The Aryabhata Medal

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<th>Year</th>
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<tbody>
<tr>
<td>1980</td>
<td>BP Pal</td>
<td>1996</td>
<td>MVS Valiathan</td>
<td>2009</td>
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<td>1983</td>
<td>S Dhawan</td>
<td>1998</td>
<td>RP Bambah</td>
<td>2012</td>
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<td>1986</td>
<td>S Ramaseshan</td>
<td>2000</td>
<td>K Kasturirangan</td>
<td>2015</td>
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<td>1989</td>
<td>PN Srivastava</td>
<td>2002</td>
<td>VL Chopra</td>
<td>2018</td>
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<tr>
<td>1992</td>
<td>Obaid Siddiqi</td>
<td>2004</td>
<td>KL Chopra</td>
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### Indira Gandhi Prize for Popularization of Science

<table>
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<tr>
<th>Year</th>
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<tbody>
<tr>
<td>1986</td>
<td>M Nalini Mohan Rao</td>
<td>2002</td>
<td>VG Bhide</td>
<td>2017</td>
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<tr>
<td>1988</td>
<td>Saroj Ghose</td>
<td>2004</td>
<td>No Award</td>
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<td>1990</td>
<td>JV Narlikar</td>
<td>2004</td>
<td>D Balasubramanian</td>
<td>2017</td>
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<tr>
<td>1994</td>
<td>AR Bhattacharya</td>
<td>2011</td>
<td>BN Dwivedi</td>
<td>2017</td>
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<td>1998</td>
<td>Santimay Chatterjee</td>
<td>2011</td>
<td>Biman Nath</td>
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### INSA Medal for Promotion & Service to Science

<table>
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<th>Year</th>
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<tbody>
<tr>
<td>2002</td>
<td>MGK Menon</td>
<td>2008</td>
<td>MM Sharma</td>
<td>2017</td>
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<td>2004</td>
<td>S Varadarajan</td>
<td>2011</td>
<td>PN Tandon</td>
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<td>2006</td>
<td>CNR Rao</td>
<td>2014</td>
<td>MVS Valiathan</td>
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### The Sisir Kumar Mitra Memorial Lecture

<table>
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<tbody>
<tr>
<td>1984</td>
<td>Asima Chatterjee</td>
<td>2001</td>
<td>P Rama Rao</td>
<td>2018</td>
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<td>1990</td>
<td>MK Das Gupta</td>
<td>2004</td>
<td>MK Bhan</td>
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### The Kariamanikkam Srinivasa Krishnan Memorial Lecture

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<tr>
<td>1975</td>
<td>AP Mitra</td>
<td>1995</td>
<td>TV Ramakrishnan</td>
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<td>1987</td>
<td>SK Joshi</td>
<td>2001</td>
<td>M Vijayan</td>
<td>2016</td>
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### The Daulat Singh Kothari Memorial Lecture

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<td>1996</td>
<td>K Lal</td>
<td>2005</td>
<td>SP Sukhatme</td>
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<td>1999</td>
<td>VG Bhide</td>
<td>2008</td>
<td>Yash Pal</td>
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<td>2002</td>
<td>CNR Rao</td>
<td>2011</td>
<td>SK Joshi</td>
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### Jawaharlal Nehru Birth Centenary Lecture

<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
<tr>
<td>1990</td>
<td>G Mehta, HG Sharat Chandra</td>
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<td>1991</td>
<td>SS Jha, MK Chandrashekaran</td>
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<td>1992</td>
<td>N Mukunda, KK Kannan</td>
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<td>1993</td>
<td>B Buti, SK Sinha</td>
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<td>1994</td>
<td>DK Dutta Majumdar, PS Ramakrishnan</td>
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<td>1995</td>
<td>RA Mashelkar, P Balaram</td>
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<td>1996</td>
<td>N Kumar, HK Jain</td>
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<td>AN Bhaduri, BLK Somayajulu</td>
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<td>1998</td>
<td>P Natarajan, MS Balmji</td>
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<td>1999</td>
<td>Asis Datta, DVS Jain</td>
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<td>2000</td>
<td>GS Agarwal, MRS Rao</td>
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<td>2001</td>
<td>N Appaji Rao, S Chandrasekaran</td>
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<td>R Cowsik, N Balakrishnan</td>
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<td>SS Agarwal, KS Valdiya</td>
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### SUBJECTWISE MEDALS

#### The Srinivasa Ramanujan Medal

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2004 Ashoke Sen 2009 Rohini M Godbole 2015 J Maharana
2007 DP Roy 2012 SM Roy 2018 Chandan Dasgupta

The Homi Jehangir Bhabha Medal

1978 BV Sreekantan 1993 ES Raja Gopal 2008 Arup K Raychaudhuri
1981 FC Auluck 1996 AV Narlikar 2011 No Award
1984 KG Ramanathan 1999 BA Dasannacharya 2014 Varun Sahni
1987 S Chandrasekhar 2002 AK Sood 2017 Chanda Jayant Jog
1990 PK Iyengar 2005 SK Sikka

The Jagadis Chandra Bose Medal

1980 DP Burma 1995 AN Bhaduri 2010 V Nagaraja
1983 V Sasisekharan 1998 D Balasubramanian 2013 PK Das
1986 MA Viswanamitra 2001 MRS Rao 2016 P Chakrabarti
1989 N Appaji Rao 2004 P Balaram

The Sunder Lal Hora Medal

1960 MOP Iyengar 1978 GP Talwar 2002 SC Lakhotia
1965 BR Seshachar 1984 PN Mehra 2008 Rakesh Tuli
1967 MJ Thirumalachar 1987 SP Raychaudhuri 2011 EA Siddiq
1973 TS Sadasivan 1996 BM Johri
1975 LS Ramaswami 1999 TN Ananthakrishnan

The Darashaw Nosherwanji Wadia Medal

1983 WD West 1998 S Roy 2012 SK Sen
1986 CS Pichamuthu 2001 SS Merh 2015 S Sengupta
1989 SN Sen 2004 Ashoke Mookherjee 2018 Somnath Dasgupta

The Prasanta Chandra Mahalanobis Medal

1978 C Ambasankaran 1993 DK Dutta Majumdar 2008 VS Borkar
1984 Govind Swarup 1999 BN Das 2014 MG Nadkarni
1990 GS Sanyal 2005 A Sridharan
The Syed Husain Zaheer Medal

1986  CV Sundaram  2001  SK Pal  2014  B Yegnanarayana
1989  Rajinder Kumar  2004  J Nanda  2017  GD Yadav
1992  SC Dutta Roy  2007  KT Jacob

The Silver Jubilee Commemoration Medal

1973  MS Swaminathan  1991  VL Chopra  2006  S Nagarajan
1976  AK Sharma  1994  No Award  2010  No Award
1979  MS Randhawa  1997  EA Siddiq  2013  RP Sharma
1982  VS Mathur  2000  RS Paroda  2016  Himanshu Pathak
1985  No Award

The Golden Jubilee Commemoration Medal (Chemical Sciences)

1986  TR Govindachari  1998  V Krishnan  2010  Kankan Bhattacharyya
1995  No Award  2007  S Chandrasekaran

The Golden Jubilee Commemoration Medal (Animal Sciences)

1989  J Barnabas  2001  CM Gupta  2012  No Award
1992  MS Kanungo  2004  VF Rodrigues  2015  MD Gadgil
1995  No Award  2007  GP Talwar  2018  PP Majumder

The Kalpathi Ramakrishna Ramanathan Medal

1987  Anna Mani  1999  BM Reddy  2011  K Krishnamoorthy
1990  PR Pisharoty  2002  RG Rastogi  2014  No Award
1993  PK Das  2005  GS Lakhina  2017  Sulochana Gadgil
1996  R Raghavarao  2008  BN Goswami

ENDOWED MEDALS

Vishwakarma Medal

1979  Sukh Dev  1994  P Ratnasamy  2009  E Sreedharan
1982  Nitya Anand  1997  No Award  2012  No Award
1985  MM Sharma  2000  JB Joshi  2015  AB Pandit
1991  AV Rama Rao  2006  Purnima Jalihal
Professor Brahm Prakash Memorial Medal

1989  No Award  2001  R Krishnan  2013  Baldev Raj
1992  BL Deekshatulu  2004  S Banerjee  2016  No Award
1995  BN Das  2007  VS Arunachalam
1998  KT Jacob  2010  Shrikant Lele

Professor Shyam Bahadur Saksena Memorial Medal

1990  HY Mohan Ram  1996  VS Rama Das  2005  No Award
1993  SP Raychaudhuri  1999  JS Singh  2008  AN Lahiri Majumder
1996  SK Jain  2002  Sushil Kumar  2011  LC Rai

Professor GN Ramachandran 60th Birthday Commemoration Medal

1994  M Vijayan  2006  TP Singh  Chattopadhyay
1997  R Jayaraman  2009  DM Salunke  2018  DN Rao
2000  A Surolia  2012  B Bhattacharyya

Professor TR Seshadri 70th Birthday Commemoration Medal

1982  Sukh Dev  1997  GSR Subba Rao
1985  DK Banerjee  2000  Harjit Singh

Professor KP Bhargava Memorial Medal

1996  No Award  2002  Vijayalakshmi R  2011  KS Gopitnath
1999  Rita Mulherkar  2005  Sudhanshu Vrati  2014  KN Agarwal
1999  Madhu Dikshit  2008  BN Dhawan  2017  SK Sarin

Professor K Naha Memorial Medal

1998  SK Ghosh  2007  AK Singhvi  2016  VP Dimri
2001  D Mukhopadhyay  2010  K Gopalan
2004  HK Gupta  2013  No Award

Professor Krishna Sahai Bilgrami Memorial Medal

2001  Randhir Singh  2009  Bijay Singh  2018  TR Sharma
2004  S Nagarajan  2012  TK Adhya
2007  SK Apte  2015  Yaduviner Singh
The Chandrakala Hora Memorial Medal

1950  SB Setna  1975  SZ Qasim  2002  T Subramoniam
1960  HL Chaudhury  1985  No Award  2010  G Marimuthu
1965  BS Bhimachar  1990  JS Datta Munshi  2013  Chandrima Shaha
1970  NK Panikkar  1997  No Award  2016  SK Gupta

Shree Dhanwantari Prize

1971  R Viswanathan  1986  PN Tandon  2001  BN Dhawan
1976  B Mukherji  1991  MVS Valiathan  2006  NH Wadia

Professor Bhim Shanker Trivedi Memorial Medal

2014  Chitra Mandal
2017  K Somasundaram

Professor Har Swarup Memorial Medal

2018  Usha Vijayraghavan

Professor Subramania Ranganathan Memorial Medal

2018  VK Singh

Professor Mihir Chowdhury Memorial Medal

Nil

ENDOWMENT LECTURES

Professor Bal Dattatraya Tilak Lecture

1983  PV Sukhatme  1993  No Award  2002  P Pushpangadan
1984  AB Joshi  1994  AD Karve  2003  RK Gupta
1985  AKN Reddy  1995  BE Vijayam  2004  No Award
1987  SS Kalbag  1997  Devendra Kumar  2006  Sudha Nair
1988  PK Sethi  1998  No Award  2007  Anil P Joshi
1989  No Award  1999  DR Bapat  2008  No Award
1990  V Kurien  1999  D Chakraborti  2011  No Award
1991  No Award  2000  D Raghunandan  2014  Bijay Singh
1992  NH Antia  2001  No Award  2017  AK Tripathi
### Dr TS Tirumurti Memorial Lecture

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<td>2009</td>
<td>SC Dutta Roy</td>
</tr>
<tr>
<td>2011</td>
<td>ML Munjal</td>
</tr>
</tbody>
</table>

### Professor Har Swarup Memorial Lecture

<table>
<thead>
<tr>
<th>Year</th>
<th>Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1984</td>
<td>ML Roonwal</td>
</tr>
<tr>
<td>1987</td>
<td>Sivatosh Mookerjee</td>
</tr>
<tr>
<td>1990</td>
<td>Ishwar Prakash</td>
</tr>
<tr>
<td>1995</td>
<td>CJ Dominic</td>
</tr>
<tr>
<td>2000</td>
<td>MS Jairajpuri</td>
</tr>
<tr>
<td>2005</td>
<td>MK Chandrashekaran</td>
</tr>
<tr>
<td>2008</td>
<td>T Subramoniam</td>
</tr>
<tr>
<td>2011</td>
<td>SK Saidapur</td>
</tr>
<tr>
<td>2014</td>
<td>PD Prasada Rao</td>
</tr>
<tr>
<td>2017</td>
<td>Amitabh Joshi</td>
</tr>
</tbody>
</table>

### Dr MR Das Memorial Lecture

<table>
<thead>
<tr>
<th>Year</th>
<th>Lecturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>KP Gopinathan</td>
</tr>
<tr>
<td>2008</td>
<td>Shahid Jameel</td>
</tr>
<tr>
<td>2011</td>
<td>Saumitra Das</td>
</tr>
<tr>
<td>2014</td>
<td>Balaram Ghosh</td>
</tr>
<tr>
<td>2017</td>
<td>Rajan</td>
</tr>
<tr>
<td></td>
<td>Sankaranarayanan</td>
</tr>
</tbody>
</table>
SPECIAL LECTURES

*The PMS Blackett Memorial Lecture

1982 MS Swaminathan 1994 Peter Day 2007 Martin Rees
1984 Sir Andrew Huxley 1996 Sir Aaron Klug 2009 Lorna Casselton
1986 MGK Menon 1998 Sir Harold Kroto 2013 Paul Maxime Nurse

*Sir Jagadis Chandra Bose Memorial Lecture

1993 AP Mitra 1999 S Chandrasekhar 2006 Asoke Sen
1995 MM Sharma 2002 G Swarup 2008 Narendra Kumar
1997 C Gopalan 2004 K Kasturirangan 2016 Kalyanmoy Deb

Jawaharlal Nehru Birth Centenary Visiting Fellowship

1992 R Chidambaram 2000 D Ranganathan 2008 Deepak Pental
1993 MG Deo 2001 SK Malik 2009 SC Lakhota
1995 R Kumar 2003 HK Gupta 2013 JP Mittal
1996 P Balaram 2004 MS Jairajpuri 2016 Rajiva Raman
1997 HY Mohan Ram 2005 R Godbole
1998 OP Bhutani 2006 TV Ramakrishnan

Etienne Wolff-Ramanujan Lecture

2006 Jules Hoffman 2013 MVS Valiathan 2016 No Award
2007 RA Mashelkar 2014 Nicole Le Douarin 2017 No Award
2012 Yves Brechet 2015 R Gadagkar 2018 No Award

*Since 2013 this award is independently organized by INSA.
SCIENCE PROMOTION

Basic research, a pre requisite for applied research leading to developmental activity, conducted by the academic institutions, was supported by the Academy by instituting programmes to individual scientists, interdisciplinary and multi-institutional programmes. With the emergence of major funding bodies in the country for carrying out scientific research, the Academy modified its programme to support individual scientists. The programme now involves INSA Distinguished Professors for promotion and service to science, support to INSA superannuated Fellows, research projects of INSA Young Scientist Medal Awardees and INSA Visiting Scientists.

The Academy also provides partial financial assistance for organising international/national conferences, symposia or seminars in India.

REGULATIONS

INSA DISTINGUISHED PROFESSORS

The Academy initiated Ten Professorial Chairs with effect from January 1, 2018, as INSA Distinguished Professors. Each Professor shall be attached with research institution / Universities in India.

Objectives: The Professorship is awarded in recognition of outstanding contributions to any branch of Science & Technology falling within the purview of the Academy. The main aim of the Professorship is to provide recognition to a person who has made outstanding scientific research contributions and to enable him/ her to continue to contribute to the subject of his/her choice. The INSA Distinguished Professors may continue to work in his/her own institution or in any other suitable institution within India.

Eligibility: Only superannuated Indian Fellows of INSA with no other source of support (except pension) will be eligible. The upper age limit to apply for INSA Distinguished Professors is 75 years. Fellows having any position with Honorarium/Fellowship/Salary will not be eligible.

Number: There will be a total of 10 Professorial Chairs.

Duration: The Professorship chairs are tenable for three years only. Selected Distinguished Professors have to join within a period of six months from the date of issue of the offer letter.

Value: The Professorship shall carry an honorarium of Rs.1.00 lakh per month. In addition, a sum of Rs.2.00 lakhs per annum will be provided as contingency. The contingency grant can be utilized for purchase of any equipment/s required for research, Computer/Laptop, Printer, Scanner, Camera, secretarial assistance, stationery, communication, travel for work (within India and abroad), registration fee, per diem, accommodation etc. as per the norms of the host institute. Items purchased out of the contingency grant will be the property of host institute after completion of project of Professorship chairs.
In case INSA Distinguished Professors wants to retain any of the above items purchased under contingency head he/she may pay 10% of the actual cost of the item to the host institute provided the items are purchased minimum two years before the completion of the tenure of the programme.

The institution concerned shall provide the working facilities to INSA Distinguished Professors. The funds will be drawn by the institution from INSA.

**Leave:** 60 days in a year with honorarium whether in India or abroad.

**Announcement of the Professorship:** The President will present the name/s of the scientist/s, selected with the help of a Committee constituted for the purpose, for approval of the Council. The name/s of the awardee/s will be announced in the subsequent General Body Meeting. The award offer will remain valid for six months from the date on which the offer is made by the Academy.

**Obligations:**

(i) The intellectual property rights arising out of the work of the Awardee will be governed by the norms of the host institution.

(ii) Support for the INSA Distinguished Professorship should be acknowledged in all publications.

(iii) The INSA Distinguished Professors shall present to the Academy a yearly detailed report of the work done at the end of the year along with statement of expenditure for release of grant for next year.

(iv) She/He shall, after the expiry of the Professorship, also present a comprehensive report in the form of a review article for publication in Academy’s Proceedings.

(v) Final adjustment/settlement of accounts should be done within a period of 60 days of completion/termination of the position.

(vi) She/He may also be invited to deliver a talk during one of the INSA meetings after completion of his/her tenure as INSA Distinguished Professors.

(vii) All the INSA Distinguished Professors are expected to participate in outreach programmes for school and college students as a part of the award.

These regulations may be revised or amended by the Council of INSA at any time.

**INSA SENIOR SCIENTIST PROGRAMME**

The Academy instituted in 1985 a programme of INSA Senior Scientist to utilize the expertise of active superannuated Fellows of the Academy involved in high quality research in their specialized disciplines in recognized R&D Centre/University/institution in India.

**Name of the Programme:** The Programme is called the ‘INSA Senior Scientist Programme’ and the Awardee is called ‘INSA Senior Scientist’.

**Objectives:** The objective of the programme is to utilize the expertise of INSA Fellows after superannuation to continue to work in the area of his/her choice in an R&D centre/university/institution in India.

**Eligibility:** Superannuated INSA Fellows working in India. The upper age limit to apply for INSA Senior Scientists will be 75 years. Fellows having any position with Honorarium/Fellowship/Salary will not be
eligible. A Senior Scientist will have to avail the position in one go. He will not be allowed to break it up in smaller installments.

**Number of Positions:** The maximum number of Senior Scientist positions is restricted to 75.

**Tenure:** The term of an INSA Senior Scientist is for a period of three years. Selected Fellows have to join within a period of six months from the date of issue of the offer letter.

**Value:** The honorarium of INSA Senior Scientist is Rs. 30,000/- per month and the contingency is Rs. 1,00,000/- per annum.

The contingency grant can be utilized for purchase of any equipment/s required for research, Computer/ Laptop/ ipad, Printer, Scanner, Camera, secretarial assistance, stationery, communication, travel (within India and abroad), Air fare, registration fee, per diem, accommodation etc. as per the norms of the Host Institute. Items purchased out of the contingency grant will be the property of Host Institute after the completion of project of INSA Senior Scientist.

In case, INSA Senior Scientist wants to retain any of the above items like computer/laptop/iPad/ printer, etc., purchased out of contingency grant he/she may pay 10% of the actual cost of the item to the host institute provided the items are purchased minimum two years before the completion of the tenure of the programme.

The number of INSA Senior Scientist to be selected each year will be decided by the council based on the available funds position.

**Nomination and Selection:** Proposal in the prescribed form for the Senior Scientist position will be invited from the Fellows of the Academy in the month of May preceding the year of the award. The proposal duly completed in all respects, signed, and routed through the Head of the Institution where a scientist intends to work, should be sent to the Academy on or before June 15. The proposals received will be examined and selection be made by the Council at its meeting to be held in July/December.

The award of the INSA Senior Scientist position would be valid for a period of 6 months from the date of issue of letter. Otherwise, the selected scientist has to be nominated afresh for consideration by the Academy for future position.

**Renewal and Reports:** Senior Scientist will submit an Annual Report of his/her research work in the prescribed format at the end of the year along with the statement of expenditure for release of grant for the next year. At the end of the tenure, the Senior Scientist is required to submit a consolidated Technical Report of the entire duration of the tenure in the prescribed format.

**Leave:** 60 days in a year with honorarium whether in India or abroad.

**Obligations:**

(i) The host Institution shall submit audited statement of accounts and utilization certificate to INSA.

(ii) The position will stand terminated from the date the INSA Senior Scientist accepts any paid position.

(iii) Support under the INSA Senior Scientist Programme should be acknowledged in all publications.

(iv) Final adjustment/settlement of accounts should be done within a period of 60 days of completion/termination of the position.
(v) The intellectual property rights arising out of the work of the Senior Scientist will be governed by the norms of the host institution.

(vi) At the completion of the tenure of the INSA Senior Scientist, the awardee shall hand over all permanent equipment purchased using the contingency funds to the host institution or any other institution as decided by INSA.

(vii) These regulations may be revised or amended by the Council at any time.

**INSA HONORARY SCIENTIST PROGRAMME**

The Academy instituted the INSA Honorary Scientist Programme in May 2000 to continue to engage and utilize the expertise of active superannuated Fellows of the Academy involved in research in their specialized disciplines in recognized institutions/universities in India.

**Objective:** The objective of the programme is to continue to engage and utilize the expertise of superannuated Fellows of INSA.

**Name of the Position:** The awardee shall be called ‘INSA Honorary Scientist’

**Eligibility:** Superannuated INSA Fellows working in India. The upper age limit to apply for INSA Senior Scientists will be 75 years. An Honorary Scientist will have to avail the position in one go. He will not be allowed to break it up in smaller installments.

**Number of Positions:** The number of INSA Honorary Scientist to be selected each year will be decided by the council.

**Tenure:** The term of an INSA Honorary Scientist is for a period of three years. Selected Fellows have to join within a period of six months from the date of issue of the offer letter. INSA Honorary scientist position will be operated only through the organization to which the fellow is affiliated.

**Financial Support:** Contingency grant of Rs. 1,00,000/- per annum will be released in one installment through the host institution.

The contingency grant can be utilized for purchase of any equipment/s required for research, Computer/ Laptop/ ipad, Printer, Scanner, Camera, secretarial assistance, stationery, communication, travel (within India and abroad), Air fare, registration fee, per diem, accommodation etc. as per the norms of the Host Institute. Items purchased out of the contingency grant will be the property of Host Institute after completion of project of INSA Honorary Scientist.

In case INSA Honorary Scientist wants to retain any of the above items like computer/laptop/iPad/printer, etc., purchased under contingency head he/she may pay 10% of the actual cost of the item to the host institute provided the items are purchased minimum two years before the completion of the tenure of the programme.

**Nominations:** INSA Fellows may nominate themselves or other superannuated Fellows for the position of Honorary Scientist. Fellows may write to the President INSA along with a brief CV, proposed plan of work and a letter of acceptance from the host institute. The names of awardees will be reported at the subsequent Council meeting.

**Joining:** Selected Fellows have to join within a period of six months from the date of issue of the offer letter.
Progress Report and Renewal of Position: The Honorary Scientist will submit a report of his/her work in the prescribed format after completion of each year along with utilization certificate and request for further grant.

Obligations:

(i) The Position will stand terminated from the date the Honorary Scientist accepts any paid position.

(ii) Support under the INSA Honorary Scientist Programme should be acknowledged in all publications.

(iii) Final adjustment/settlement of accounts should be done within a period of 60 days of completion/termination of position.

(iv) Council is empowered to amend any of the regulations.

RESEARCH SUPPORT FOR THE INSA YOUNG SCIENTIST MEDAL Awardees

The start-up research project for the INSA Young Scientist Awardee (Rs.5 Lakhs for three years) will be invited and considered subject to availability of funds. Interim Fellowship and the international travel associated with the award will not be considered by the Academy.

INSA VISITING SCIENTIST PROGRAMME

To conduct advanced research for undergoing specialised training in Indian research institutes/laboratories other than one’s own institution.

Name of the Programme: The programme shall be called ‘INSA-Visiting Scientist Programme’ and the awardee shall be designated: ‘INSA Visiting Scientist’.

Objective: Acquiring furtherance of research capabilities for undergoing training in specific techniques, or utilising facilities not available in their own institutions. Book writing is not permitted under this programme.

Number of Awards: The number of INSA-Visiting Scientist positions to be awarded each year will be a maximum of 120 man-months per annum.

Value: During the fellowship period, awardees will be paid consolidated amount of Rs.30,000/- (maximum) per month to cover their expenses related to boarding, lodging, travel etc.

Duration: The position shall be provided to a scientist to work for a minimum period of one month to a maximum of six months in a laboratory or a research institution of his/her choice in a city within India other than his/her own city.

Mode of Selection: Applications on prescribed Performa will be invited through open advertisement every year (November/December) and selection will be made during March/April.

Application Procedure:

(i) Applications will be invited through open advertisement once a year. The applicants would be required to provide a concise account of their plan of work/study besides their bio-data
highlighting their achievements. It would be desirable that the applicant should have approached the host institution and the scientist concerned to ascertain their concurrence to accept him/her.

(ii) The applicant should be a **Scientist/Faculty** in any R&D organisation including Universities or Affiliated Colleges in India. Applicants should not have availed INSA Visiting Scientist Programme in **last one year**.

(iii) Candidates should submit their application (Two Sets) on prescribed application form available in the Academy through proper channel to the Deputy Executive Director-I (Scientific), Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi - 110002. The decision of the Academy will be communicated during April/May in the following year.

**PARTIAL FINANCIAL ASSISTANCE FOR HOLDING NATIONAL/INTERNATIONAL CONFERENCE/SEMINAR IN INDIA**

The Academy provides partial financial support of Rs. 50,000/- (maximum) for National/International conferences/symposia/seminars/summer/winter schools and a maximum of 50 conferences can be supported in a financial year (not exceeding 13 in any quarter). Proposals are received by the Academy throughout the year but their selection is done on Quarterly basis.
RECIPIENTS OF INSA-RESEARCH PROFESSORSHIP (all the Professorship Chairs have been renamed as INSA Distinguished Professor w.e.f. 01.01.2018)

1. **INSA-Albert Einstein Centenary Research Professorship**
   - Professor GN Ramachandran (1984-89)
   - Professor AN Mitra (1989-94)
   - Professor CNR Rao (1995-99)
   - Professor GS Agarwal (2001-April 2005)
   - Professor PK Kaw (2007-2011)
   - Professor M Vijayan (2013-18)

2. **INSA-Golden Jubilee Research Professorship**
   - Professor AK Sharma (1985-90)
   - Professor R Narasimha (1991-95)
   - Professor Animesh Chakravorty (1996-2000)
   - Professor KS Valdiya (2003-08)
   - Professor G Govil (2009-2014)

3. **INSA-Chandrasekhar Venkata Raman Research Professorship**
   - Professor MGK Menon (1986-91)
   - Professor G Padmanabhan (1991-96)
   - Professor KR Parthasarthy (1996-2001)
   - Professor Virendra Singh (2003-08)

4. **INSA-Srinivasa Ramanujan Research Professorship**
   - Professor BV Sreekantan (1987-92)
   - Professor G Mehta (1992-97)
   - Professor TV Ramakrishnan (1997-2002)
   - Professor Paul Ratnaswamy (2004-09)
   - Professor HY Mohan Ram (2011-16)

5. **INSA-Satyendra Nath Bose Research Professorship**
   - Professor Sukh Dev (1988-93)
   - Professor MS Raghunathan (1994-96)
   - Professor Indira Nath (1998-2003)
   - Professor RC Mahajan (2004-09)
   - Professor R Gadagkar (2010-14)

**RECIPIENTS OF INSA DISTINGUISHED PROFESSOR**

- Professor Samir Bhattacharya (2015- )
- Professor N Mukunda (2015- )
- Professor R Balasubramanian (2017- )
- Professor S Chandrasekaran (2018- )
- Professor SK Pal (2018- )
RECIPIENTS OF INSA PLATINUM JUBILEE CHAIR

Dr S Varadarajan (2009-2014)

RECIPIENTS OF INSA-SENIOR SCIENTIST

1985
SN Ghosh
D Mohan
NA Narasimhan
M Santappa

1986
DP Burma
D Nasipuri
DD Pant
S Swaminathan

1987
TN Ananthakrishnan
DD Awasthi*
PK Bhattacharya
AS Divatia
JN Kapur
T Ramakrishnan
NS Subba Rao
AR Verma

1988
MK Dasgupta
TM Jacob
BR Murthy
AK Raychaudhuri

1989
SC Agarwal
SS Merh
VV Modi
NS Narasimhan
SP Pandya
S Sriramachari
CV Subramanian

1990
NK Notani
KK Rohatgi Mukherjee
KP Sinha
OP Vig*

1991
MS Chadha
GK Manna
NR Moudgal

1992
SN Chatterjee
PD Dogra
TR Kasturi
I Prakash
S Sen
K Venkatesan

1993
RV Gopala Rao
B Ramachandran
SM Sengupta
R Srinivasan

1994
RJ Garde
PK Iyenger*
RN Kapil
S Ranganathan
SK Sen
NT Singh

1995
TR Anantharaman
Haridas Banerjee
SS Bir
DK Chattoraj
A Ghosh
AC Jain
MS Kanungo
SRV Rao
RG Rastogi
RP Rastogi

1996
JC Ahluwalia
KMV Apparao
PK Banerjee
OP Bhutani
BN Das
S Das Gupta
JS Datta Munshi
RP Gandhi
UR Ghatak
A Gnanam
DVS Jain
HY Mohan Ram
AMAO Mohanraj
SC Pakrashi
S Roy
N Rudraiah
PS Sastry
Rangil Singh
SK Trehan
R Vijayaraghavan

1997
SK Ghosh
SV Kessar
PM Mathews
SK Mitra
T Ramasarma
GM Reddy

1998
Maharani Chakravorty
A Jayaraman
BR Nag
K Ramachandra
N Sethunathan
MA Viswamitra

* Since deceased
1999
BK Agrawal
KK Kannan
CK Majumdar
MG Nadkarni
R Ramamurthi
G Shanmugam

2000
BG Ghosh
AB Roy
A Sridharan

2003
YP Abrol
PR Adiga
RS Ambasht*
D Chakravorty
Maharani Chakravorty
Mihir Chowdhury
P Das
BA Dassanacharya
BG Ghosh
K Gopalan
PK Gupta
Mahdi Hasan*
P Krishna
RK Lal*
SP Moulik
D Mukhopadhyay
MG Nadkarni
J Nanda
Shyam Prakash*
ES Rajagopal
R Ramamurthy
AB Roy
PL Sachdev*
RN Saxena*
G Shanmugam
RS Sharma
KR Shivana
Harjit Singh
BLK Somayajulu

2004
DJ Bagyaraj
SC Dutta Roy
MS Jairajpuri
PT Manoharan
Indira Nath
TJ Pandian
BLS Prakasa Rao
Rajendra Prasad
PK Sarkar
Sarvajit Singh

2005
NM Bujurke
KRK Easwaran
KP Gopinathan
SS Krishnamurthy
KK Mahajan
MM Mathan
IBS Passi
DK Paul
PS Ramakrishnan
V Ramamurti
A Saran
RP Sharma
K Subba Rao
RS Tripathi
Anupam Verma

2006
IP Abrol
Amitabha Ghosh
SS Kapoor
Sushil Kumar
Krishan Lal
NV Madhusudana
SM Naqvi*
T Parthasarathy
C Ramakrishnan
NK Ray*

2007
DM Banerjee
S Krishnaswamy
AV Narlikar
PD Prasada Rao
JS Sandhu
JS Singh

2008
Samir Bhattacharya
Kasturi Datta
Aloke Dey
Alok K Gupta
GS Lakhina
Amarnath Maitra*
K Nag
Ajit Iqbal Singh
Indra Bir Singh
Sita Ram Singh

2009
NM Bujurke
J Gopalakrishnan
RJ Hans-Gill
AK Kamra
BK Sadashiva
SK Subbarao

2010
G Ananthakrishna
SV Bhat
Mihir Deb
H Ila
M Lakshmanan
Ashok Kumar Mallik
Prasanna Mohanty*
P Natrajan
RN Singh

2011
CK Dasgupta
AK Jain
Samaresh Mitra

* Since deceased
S Nagarajan
KN Pathak
Phoolan Prasad
DP Roy
SM Roy
SK Saitdapur
Sudipta Sengupta
PK Singh
Yadvinder Singh

2012
BK Agrawal
VA Bapat
AK Bhatnagar
Alok Kumar Datta
Kunal Ghosh
NK Gupta
H Junjappa
Anil Kumar
PT Manoharan
SK Mukherjee
J Nanda
SK Sen
Bijay Singh

2013
S Anantakrishanan
CK Dasgupta
Amitava Datta
BM Deb
VP Dimri
MV Hosur
ML Munjal
G Padmanaban
AJ Rao
Bhagyashri A Shanbhag
R Srinivasan
M Udayakumar

2014
B Bhattacharyya
SM Bhatwadekar
MG Deo
C Ganguly
SN Kaul
G Marimuthu
LM Patnaik
BC Ranu
Probir Roy
JS Singh
SP Singh
TP Singh
Yashwant Singh
N Viswanadham

2015
TK Adhya
KK Balasubramanian
HS Bhat
AV Khare
Anjan Kundu
BC Nakara
SK Pal
M Palaniandavar
PN Pandita
Mannomohan Sarin
M Udayakumar

2016
Manju Bansal
Archana Bhattacharyya
SM Bhatwadekar
Sampa Das
Anuradha Dube
C Durga Rao
Tarun Kant
SK Khanduja
Renu Khanna-Chopra
G Krishnamoorthy
BD Kulkarni
AN Lahiri Majumder
SC Lakhota
J Maharana
JP Mittal
MRN Murthy
VK Parmaik
R Parthasarathy
Deepak Pental

2017
Faizan Ahmad
S Dattaguptra
LC Garg
Subrata Ghosh
AK Giri
BN Goswami
J Gowrishankar
MV Hosur
Premashish Kar
DP Kasbekar
SB Krupanidhi
SK Kulkarni
SK Mukherjee
ML Munjal
S Natarajan
SS Ramasesha
AJ Rao
Probir Roy
HS Savithri
Abhijit Sen
EA Siddiqui
YP Vioygi
K Veluthambi
B Yegnanarayana

2018
Srikumar Banerjee
AK Bhatnagar
RK Gupta
PN Pandita
BLS Prakasa Rao
Kalidas Sen
Yashwant Sen
RC Soti
PK Tripathi
N Viswanadham
### RECIPIENTS OF INSA-HONORARY SCIENTIST

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipients</th>
</tr>
</thead>
</table>
| 2006 | YP Abrol  
YP Chatterjee  
DK Chatteraj  
BN Das  
RP Gandhi  
AS Gupta  
DVS Jain  
SK Jain  
SV Kessar  
SC Maheshwari  
SP Moulik  
Prem Narain  
Rajendra Prasad  
R Raghavaram*  
ES Rajagopal  
HS Randhawa  
RP Rastogi  
KP Sinha |
| 2007 | N Bhandari  
D Chakravarty  
SM Chitre  
J Nanda  
PS Ramakrishnan  
T Ramasarama  
RG Rastogi  
RN Saxena* |
| 2008 | DD Awasthi*  
Mahtab Bamji  
OP Bhutani  
SC Dutta Roy  
SK Ghosh  
K Gopalan  
VP Kamboj  
SS Kapoor  
D Mukhopadhyay  
SVS Shastri  
Virendra Singh |
| 2009 | KRK Easwaran  
MS Jairajpuri |
|        | KK Mahajan  
SC Pakrashi  
PK Sarkar  
KR Shivan  
Sarvajit Singh  
A Sridharan  
Kalluri Subba Rao |
|        | RS Ambasth*  
HK Das  
KP Gopinathan  
SS Krishna Murthy  
Sushil Kumar  
DK Paul  
Anil Saran  
PS Sastry  
RP Sharma  
GSR Subba Rao  
T Subramoniam  
PN Takkar  
Anupam Varma |
|        | IP Abrol  
SS Bir  
SK Dogra  
R Raghavendra Rao  
AB Roy  
RS Tripathi |
|        | NM Bujurke  
DM Banerjee  
K Nag  
AV Narlikar  
PD Prasada Rao  
R Ramamurthi  
Probir Roy  
JS Sandhu  
Sita Ram Singh |
|        | Alok K Gupta  
SK Sikk  
Ajit Iqbal Singh  
IB Singh |
| 2014 | ON Bhargava  
G Govil  
RJ Hans-Gill  
SK Joshi  
AK Kamra  
JN Nanda |
| 2015 | BK Agrawal  
G Ananthakrishna  
RV Gurjar  
PT Manoharan  
JP Mittal  
P Natarajan  
TJ Pandian  
RN Singh  
BC Sinha |
| 2016 | AK Jain  
SM Roy  
PK Singh  
Yadvinder Singh |
| 2017 | S Ananthakrishnan  
MG Deo  
Amitabha Ghosh  
Kunal Ghosh  
NK Gupta  
PK Gupta  
H Junjappa  
IBS Passi  
Bijay Singh  
JS Singh |
| 2018 | DJ Bagyaraj  
DM Banerjee  
ON Bhargava  
NM Bujurke  
BM Deb  
GS Lakhina |

* Since deceased
THE FUNDS OF THE ACADEMY

1. All the sums received by the Academy shall be deposited with any of the nationalised bank(s) to be decided by the Council.

2. (a) The Council shall be competent to decide the limit of amounts in respect of cheques to be signed by the Deputy Executive Director (Finance) and either the Executive Director or any one of the paid officers of the Academy to be designated by the President.

(b) All cheques beyond the limit decided under Regulation 2(a) shall be signed by the Executive Director and the Vice-President (Resource Management). In the absence from the Headquarters either of the Executive Director or the Vice-President (Resource Management) or both, the President shall designate any one of the other paid officers of the Academy and any one of the Office Bearers, as the case may be, to sign the cheques.

The following funds are administered by the Academy.

Chandrakala Hora Memorial Medal Fund
In the year 1945, Dr SL Hora and Mrs V Hora made an endowment of Rs. 3,000.00 for the purpose of founding a Medal in the memory of their daughter, Kumari Chandrakala Hora, to be awarded for conspicuously important work on the development of fisheries in India once in three years.

An additional contribution of Rs. 10.00 lakhs was received by the Academy in the year 2007 from the Hora family for the medal award fund.

Dr Shanti Swarup Bhatnagar Memorial Fund
This fund originated in the year 1955 from donations of Fellows and others amounting to Rs. 5,366.25. Its objective was to perpetuate the memory of the late Dr Shanti Swarup Bhatnagar, an eminent scientist who made great contribution to the cause of science and industry.

Bires Chandra Guha Memorial Lecture Fund
In the year 1966 Dr (Mrs) Phulrenu Guha made an endowment of Rs. 10,000.00 for the purpose of founding a Lectureship in the memory of her husband, Professor Bires Chandra Guha, to be awarded for outstanding contributions in the field of biochemistry, nutrition, food and allied problems in the broadest sense. During the year 2010, a sum of Rs. 60,000/- was contributed by the students and well-wishers while during the year 2011 a sum of Rs. 5.00 lakhs was contributed by CSIR. Apart from this US$ 3950 was donated by Dr. Deepak Haider from USA for the Professor BC Guha memorial fund during the year 2011.

Shree Dhanwantari Prize Fund
In the year 1969, Shri Anant Krishna Asundi, BA, LLB (Bom.), Retired District and Sessions Judge, Bijapur (Karnataka) made an endowment of Rs. 16,000.00 for the purpose of founding a prize in memory of his youngest daughter. Shrimati Akkadevi, to be called Shree Dhanwantari Prize. A further gift of Rs. 2,500.00 was made by Shri AK Asundi in the year 1971.
BN Chopra Memorial Lecture Fund
In the year 1968, the family (Mrs Iqbal Chopra, Shri Pran Nath Chopra, Shri Ramesh Nath Chopra and Mrs Mohini Duggal) of late Dr BN Chopra made an endowment of Rs. 10,000.00 for the purpose of founding a lectureship in any branch of biological sciences coming within the purview of the Academy.

Professor TR Seshadri 70th Birthday Commemoration Medal Fund
In the year 1970, an endowment of Rs. 10,000.00 was made by the students of Professor Tiruvenkata Rajendra Seshadri for instituting ‘Professor Tiruvenkata Rajendra Seshadri Seventieth Birthday Commemoration Medal’.

Vishwakarma Medal Lecture Fund
In the year 1976, an endowment of Rs. 33,000.00 was made by Dr PB Sarkar, FNA, retired Director, Technological Research Laboratories, Indian Central Jute Committee, P 133 Lake Terrace, Calcutta, for the purpose of instituting a suitable prize to be awarded every third year to scientists or technologists or any one whose discovery or invention has led to the start of a new industry in India or to significant improvement of an existing process resulting in cheaper or better product. Rs. 1,48,586/- was added to the Endowment fund by Dr Gopa Sarkar De, daughter of late Dr PB Sarkar, after approval by the Council in December 2002.

Silver Jubilee Fund
This fund was started in the year 1960 from the donations amounting to Rs. 2,642.73. Its objective was to commemorate the Silver Jubilee of the Academy by awarding a Silver Jubilee Commemoration Medal once in every three years for popularization of science.

INSA Endowment Lecture Fund
(i) In the year 1979, the Indian National Science Academy accepted an endowment of Rs. 10,000/- received from Dr C Ramasastry, IIT Madras (raised by old student of Professor K Rangadhama Rao) for institution of an INSA Endowment Lecture in memory of Professor K Rangadhama Rao.

(ii) In the year 1979, an endowment of Rs 15,000/- was made by Dr GP Chatterjee, FNA and Smt Suniti Chatterjee for the purpose of instituting an INSA Endowment Lecture to be named after Guru Prasad Chatterjee at an appropriate time in the future. In 2010 a sum of Rs. 5000/- was donated by the well-wisher of Professor Chatterjee.

(iii) In the year 1981, an endowment of Rs. 10,000/- was made by Dr (Mrs) Savitri Swarup for the purpose of instituting an INSA Endowment Lecture to be named after Dr Har Swarup, FNA. The lecture will be delivered once in every three years. Later, in 2010 and 2016 a sum of Rs. 5.00 lakhs and Rs. 6.00 lakhs, respectively was added to the endowment by the family members of late Professor Har Swarup.

(iv) In the year 1982, an endowment of Rs. 25,000/- was received from Professor Toppur Seethapathy Sadasivan Endowment Committee for the purpose of instituting an INSA Endowment Lecture to be called Professor Toppur Seethapathy Sadasivan Endowment Lecture instituted out of an endowment of Rs. 25,000/- by Professor Sadasivans’s students and admirers. An additional sum of Rs. 5,000/- had also been received by the Academy which was utilised for the first lecture held in December 1982. Further in 2010 an additional sum of Rs. 5000/- was donated by the well-wisher of Professor Sadasivan.
(v) In the year 1982, an endowment of Rs. 1,00,000/- was received from Dr GT Panse, Member-Secretary, Professor Bal Dattatraya Tilak Scientific Research and Education Trust, Pune for the purpose of institution of an INSA Endowment Lecture for Rural Development through effective application of Science & Technology.

(vi) In the year 1983, an endowment of Rs. 25,000/- was received from Dr NA Narasimham, FNA on behalf of the students of Professor Rango Krishna Asundi for the purpose of institution of an INSA Endowment Lecture in memory of Professor RK Asundi, who was a distinguished Fellow of the Academy.

(vii) The Dr Panchanan Maheshwari Memorial Lecture was established in 1984 out of an endowment of Rs. 26,200/- by the colleagues and friends of the late Professor Panchanan Maheshwari, a distinguished Botanist and Foundation Fellow of the Academy.

(viii) The INSA-Vainu Bappu Memorial Award was established in 1985 from an endowment of Rs. 3,00,000/- by Mrs Sunanna Bappu, mother of the late Dr Manali Kallat Vainu Bappu, an eminent Astronomer and Fellow of the Academy.

(ix) The INSA-TS Tirumurti Lecture was established in 1985 out of an endowment of Rs. 25,000/- by Mrs Janaki Ramachandran, daughter of the late Dr Tirunelveli Subbaiyer Tirumurti, who made notable contributions to pathology and medicine and was a Foundation Fellow of the Academy.

(x) The Nitya Anand Endowment Lecture was established in 1986 out of an endowment of Rs. 1,30,000/- by the Organising Committee to celebrate the 60th Birthday of Dr Nitya Anand, an eminent chemist and a Fellow of the Academy. The funds came from Dr Nitya Anand's friends, students and admirers in academic institutions and the pharmaceutical industry.

(xi) The INSA Prize for Materials Science was established in 1986 out of an endowment of Rs. 50,000/- by the Organizing Committee of the International Conference on the Application of Mossbauer Effect, held in 1981.

(xii) The Professor LSS Kumar Memorial Award was established in 1986 out of an endowment of Rs. 10,000/- made by Mrs K Kumar, widow of Professor LSS Kumar to commemorate the memory of Professor Kumar. In 2010 a sum of rupees one lakh was further donated by the family members of Professor LSS Kumar.

(xiii) The Anil Kumar Bose Memorial Award was established in 1987 out of an endowment of Rs. 18,000/- made by the family and friends of late Shri AK Bose, former Executive Secretary of INSA.

(xiv) Professor Brahm Prakash Endowment Medal was established in 1987 from an endowment of Rs. 54,003/- of which Rs. 25,000/- was donated by Mrs Brahm Prakash and the remaining Rs. 29,000/- by friends of the late Professor Brahm Prakash. In the year 2010 a sum of Rs. 25000/- was donated by Dr CA Reddy a well-wisher of late Professor Brahm Prakash.

(xv) Professor Shyam Bahadur Saksena Memorial Lecture was established in 1989 from an endowment of Rs. 60,000/- made by the family of late Professor SB Saksena.

(xvi) Professor MRN Prasad Memorial Lecture was established in 1989 out of an endowment of Rs. 50,000/- made by the colleagues and friends of late Professor MRN Prasad.

(xvii) Professor GN Ramachandran 60th Birthday Commemoration Medal was established in 1989 out of endowment of Rs. 1,00,000/- from the Organizing Committee for Commemoration of 60th Birthday of Professor GN Ramachandran.
Professor KP Bhargava Memorial Medal was established in 1992 out of endowment of Rs. 50,000/- from Mrs Savitri Bhargava to commemorate the memory of late Prof KP Bhargava. In the year 2011, an endowment amount of Rs. 2,00,000/- was received from the family members of late Professor KP Bhargava.

Professor S Swaminathan 60th Birthday Commemoration Lecture was established in 1990 out of endowment of Rs 75,000/- from Professor S Swaminathan 60th Birthday Commemoration committee. In the year 2011, the Academy received an endowment of Rs. 1,65,000/- from students and well-wishers of Professor Swaminathan.

Professor Shambu Nath De Memorial Lecture was established in 1992 out of endowment of Rs. 50,000/- from Specialised Symposium on Yeasts (IUMS) on behalf of the Association of Microbiologists of India (AMI).

Professor Vishnu Vasudeva Narlikar Memorial Lecture was established in 1992 out of endowment of Rs 1,00,000/- received from family members and a close friend of late Professor VV Narlikar. In the year 2011, an endowment of Rs. 2,00,000/- was received from family members of late Professor Narlikar.

Dr Jagdish Shankar Memorial Lecture was established in 1992 out of endowment of Rs. 58,534/- from the Organizing Committee of the Emerging Frontiers in Chemistry Symposium, students, admirers and family members of late Dr Jagdish Shankar.

Professor Vishwa Nath Memorial Lecture was established in 1993 out of endowment of Rs. 1,00,000/- received from students, family members and friends of late Dr Vishwa Nath.

Dr Biren Roy Memorial Lecture was established in 1993 out of endowment of Rs. 2,00,000/- from the Biren Roy Trust.

Professor Sadhan Basu Memorial Lecture was established in 1993 out of endowment of Rs. 1,00,000/- from Professor Sadhan Basu Memorial Fund Committee. In the year 2011, a total endowment of Rs. 2,33,000/- was received from Professor Kankan Bhattacharya, Director, IACS, Kolkata, which he collected from the students and admirers of late Professor Sadhan Basu.

Dr Yellapragada SubbaRow Memorial Lecture was established in 1995 from an endowment of Rs. 2,00,000/- made by the National Committee for Dr Yellapragada SubbaRow Centenary Celebrations.

Professor Kshitindramohan Naha Memorial Medal was established in 1996 from an endowment of Rs. 3,00,000/- by the family members of Professor Naha to commemorate the Medal Award of late Professor Kshitindramohan Naha, an eminent geologist of our country.

Endowment fund of Rs. 3,00,000/- was received in 1998 from family, colleagues and students for establishment of Endowment Medal award in the name of late Professor Krishna Sahai Bilgrami, FNA.

An endowment amount of Rs. 5,00,000/- was received in 2001 from Professor S Ranganathan, FNA which was invested for establishment of Dr Darshan Ranganathan Memorial Lecture. In the year 2011 an additional amount of Rs. 2,65,000/- was received from Professor S Ranganathan, FNA the husband of late Professor Darshan Ranganathan.

An endowment amount of Rs. 5,00,000/- was received in 2002 from Professor AC Jain, FNA which was invested for establishment of an award in his name at appropriate time.
(xxxi) An endowment amount of Rs. 3,00,000/- was received in 2003 from Dr (Mrs) Radha R Das, wife of late Dr MR Das, FNA for establishment of Dr MR Das Memorial Lecture.

(XXXii) IUPAB-Prof GN Ramachandran Lecture was established in 2006 out of an endowment of Rs. 30,00,000/- received from CSIR, New Delhi for an international award once in three years to commemorate the memory of late Professor GN Ramachandran.

(XXXiii) Professor Bhim Shanker Trivedi Memorial Medal was established in 2013 out of an endowment of Rs. 10,00,000/- received from family members of late Professor BS Trivedi, a distinguished Paleo Botanist and Fellow of the Academy.

(XXXiv) An endowment amount of Rs. 10,00,000/- was received in 2017 from Dr Anand Ranganathan, son of late Professor Subramania Ranganathan for establishment of endowment medal award in the name of late Professor Subramania Ranganathan, a distinguished Fellow of the Academy.

(XXXv) An endowment amount of Rs. 10,00,000/- was received in 2017 from Fluorescence Society, Department of Chemical Sciences, Tata Institute of Fundamental Research, Mumbai for the institution of Professor Mihir Chowdhury Memorial Medal.