

The National Academy of Sciences, India

Fellows Elected for the year 2020

Sl. No.	Names and addresses of the candidates
1.	AGRAWAL, Shashi Bhushan , Professor, Department of Botany, Institute of Science, Banaras Hindu University, Varanasi - 221005
2.	BALAJI, Vikraman , Professor, Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri, Kelambakkam - 603103
3.	BALASUBRAMANIAN, Krishnan , Chair Professor, MDS 301, Mechanical Engineering Department, Indian Institute of Technology, Madras, Chennai - 600036
4.	BALLA, Rajakumar , Professor, CB214, Dept. of Chemistry, Indian Institute of Technology, Madras, Chennai - 600036
5.	BANERJEE, Anjan Kumar , Professor, Biology Division, Indian Institute of Science Education & Research, Dr. Homi Bhabha Road, Pune - 411008
6.	BANERJEE, Dipankar , Director, Aryabhata Research Institute of Observational Sciences, Manora Peak, Nainital-263001
7.	BANERJEE, Rinti , Madhuri Sinha Chair Professor, Biosciences & Bioengineering Department, 503, Nanomedicine Lab, Indian Institute of Technology, Bombay, Powai, Mumbai-400076
8.	BANERJEE, Subhasish , Associate Professor, Department of Physics, Indian Institute of Technology, Jodhpur, Karwar-Jodhpur - 342037
9.	BASAK, Soumen , Staff Scientist VI, Systems Immunology Laboratory, National Institute of Immunology, Aruna Asaf Ali, Marg, New Delhi - 110067
10.	BHARADWAJ, Somnath , Professor, Department of Physics & Meteorology and Centre for Theoretical Studies, IIT Kharagpur, Kharagpur-721302
11.	BHATNAGAR, Shalabh , Professor, Department of Computer Science & Automation, Indian Institute of Science, Bangalore - 560012
12.	BISHT, Naveen Chandra , Staff Scientist V, National Institute of Plant Genome Research (NIPGR), Aruna Asaf Ali Marg, New Delhi - 110067
13.	CHALICHEEMALAPALLI K., Jayasankar , Former Professor, Department of Physics, SVU College of Science, SV University, Tirupati - 517502
14.	CHANDRA, Poodipedi Sarat , Professor, Room No. 6007, CNC, Department of Neurosurgery, All India Institute of Medical Sciences, Anasi Nagar, New Delhi - 110029
15.	CHAUHAN, Santosh , Scientist E, Institute of Life Sciences, Nalco Square Road, Bhubaneswar - 751023
16.	CHELLAPPAN, Retna Raj , Professor, Department of Chemistry, Indian Institute of Technology, Kharagpur- 721302,
17.	DASH, Debabrata , Professor, Department of Biochemistry, Institute of Medical Sciences, Banaras Hindu University, Varanasi - 221005
18.	DAS, Benu Brata , Associate Professor, Molecular Biology Laboratory, School of Biological Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata
19.	DAS, Chandrima , Associate Professor, Biophysics and Structural Genomics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata - 700064
20.	DHEVALAPALLY, Ramachary Buchi , Professor, Catalysis Lab., School of Chemistry, University of Hyderabad, Gachibowli, Hyderabad - 500046
21.	DIMRI, Ashok Priyadarshan , Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067
22.	GANESAN, Venkatasubramanian , Professor, Psychiatry Department, National Institute of Mental Health and Neurosciences, Hosur Road, Bengaluru - 560029,
23.	GANGAVAMSAM, Raja Sekhar Pydi , Professor, Department of Mathematics, Indian Institute of Technology, Kharagpur, Kharagpur - 721302
24.	GUPTA, Ashok Kumar , Professor, Environmental Engineering Division, Department of Civil Engineering, Indian Institute of Technology, Kharagpur, Kharagpur-721302
25.	KANNAN, Shanmugaperumal , Outstanding Scientist & Head, Fuel Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085
26.	KONIJETI, Sreenadh , Professor, Department of Mathematics, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi - 110016

27. **MAJI, Samir Kumar**, Professor, Department of Biosciences & Bioengineering, IIT Bombay, Powai, Mumbai - 400076
28. **MANDAL, Lolitika**, Associate Professor, Off. No 4F10, Academic Block 1, IISER Mohali, Knowledge City, Sector 81, Mohali - 140306
29. **MANDAL, Prantik**, Chief Scientist, Seismological Imaging Group, National Geophysical Research Institute, Uppal Road, Hyderabad - 500606
30. **MAZUMDAR, Indranil**, Professor (H), Nuclear & Atomic Physics Department, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai-5
31. **MELOTH, Thamban**, Scientist F, ESSO - National Centre for Polar & Ocean Research, Ministry of Earth Sciences, Headland Sada VascodaGama, Goa
32. **MISRA, Anuradha**, Professor, Department of Physics, University of Mumbai, Lokmanya, Tilak Bhavan, Kalina Campus, Santa Cruz (E), Mumbai - 400098
33. **MODI, Deepak Narhari**, Scientist F & Head, Molecular & Cellular Biology Laboratory, National Institute for Research in Reproductive Health, JM Street, Parel, Mumbai-400012
34. **MOHANTY, Ajit Kumar**, Director, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085,
35. **MUKHOPADHYAY, Nilay Krishna**, Professor & Head, Metallurgical Engineering Department, Indian Institute of Technology, BHU Campus, Varanasi - 221005
36. **PANIGRAHI, Bijaya Ketan**, Professor, Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi - 110016
37. **PANT, Kamal Kishore**, Petrotech Chair Professor, Head, Department of Chemical Engineering, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi - 110016
38. **PATIL, Nitin Tukaram**, Associate Professor, Department of Chemistry, Indian Institute of Science Education & Research, Bhopal, Bypass Rd, Bhauri, Bhopal-462066
39. **PATRA, Ashok Kumar**, Director, Indian Institute of Soil Sciences, Nabibagh, Berasia Road, Bhopal - 462038
40. **PHILIP, John**, Head, CSTD & Professor, HBNI, Indira Gandhi Centre for Atomic Research, Kalpakkam - 603102
41. **POLSHETTIWAR, Vivek**, Associate Professor, Department of Chemical Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Navya Nagar, Colaba, Mumbai-05
42. **PRABHU, Kumble Vinod**, Chairperson, Protection of Plant Varieties & Farmers' Rights Authority, GOI, MoA&FW, II Floor, S Block, NASC Complex, DPS Marg, Pusa, N.Delhi-110012
43. **RAJE, Manoj**, Chief Scientist, Institute of Microbial Technology, Sector 39A, Chandigarh - 160036
44. **RANGARAJAN, Annapoorni**, Professor, Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore - 560012
45. **SANGWAN, Neelam**, Professor & Head, Department of Biochemistry, Central University of Haryana, Mahendergarh, Jant-Pali-123029, Haryana
46. **SANTRA, Manas Kumar**, Scientist E, Laboratory 12, National Centre for Cell Science, NCCS Complex, SP Pune University Campus, Pune - 411007
47. **SINGH, Raj Kumar**, Director & Vice Chancellor, Indian Veterinary Research Institute, Izatnagar - 243122,
48. **SUNDARAM, Raman Meenakshi**, Principal Scientist (Biotech.), Crop Improvement Section, Indian Institute of Rice Research, Rajendranagar, Hyderabad - 500030
49. **SURI, Ashish**, Professor & Head, Department of Neurosurgery, All Indian Institute of Medical Sciences, Ansari Nagar, New Delhi - 110029
50. **THAKUR, Jitendra Kumar**, Staff Scientist V, Plant Mediator Lab, Lab 205, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067
51. **YADAV, Sudesh Kumar**, Scientist F, Center of Innovative & Applied Bioprocessing, Dept. of Biotechnology, Gol, Knowledge City, Sector 81, Mohali - 140306

SCIENCE & SOCIETY

1. **AMTE, Mandakini**, Former Lecturer in Anaesthesia, Medical College, Nagpur; Lok Biradari Prkalp, Hemalkasa, Post:Bhamragad, Dist.Gadchiroli, Maharashtra - 442710
2. **AMTE, Prakash**, Formerly Surgical, Registrar, MG Institute of, Medical Sciences, Wardha;, Lok Biradari Prkalp, Hemalkasa, Post:Bhamragad, Dist.Gadchiroli, Maharashtra - 442710

News & Events

IPA Awards 2020

The IPA awards 2020 were announced on 29th Nov. 2020 during IPA General Body Meeting.

R.D. Birla Memorial Award 2020



Prof. Bimla Buti (PRL, Ahmedabad)

Prof. Buti, one of the most distinguished physicists in the country, is globally acknowledged for her fundamental contributions to understanding of Chaos. Internationally known as an authority on nonlinear dynamics, her work has found applications in widely varying plasma systems including astrophysical plasma. Both through her actions and words, she has also played a stellar role in training researchers in fundamental sciences, has been an inspirational role model—especially for young women researchers in science and has exhibited deep commitment to the propagation of science to the society.

The award is given in recognition of her outstanding contributions in the areas of research and mentoring.

Murli M Chugani Memorial Award



Prof. R. R. Navalgund (SAC, Ahmedabad)

Prof. R.R. Navalgund, one of the most distinguished scientists in the country, has been instrumental in promoting and developing remote sensing activities in the country over the last four decades. His contributions and leadership in the Indian Remote Sensing series of Satellites, have helped evolve the National Natural Resources Management System. The systems developed by him are extensively employed to provide live information related to floods, drought, extreme weather incidents and disasters, and annual forecasts, which have a direct impact on the society and agriculture-based economy of the country.

The award is given in recognition of his outstanding contributions in the nation's remote sensing systems.

P. K. Iyengar Memorial Award



Prof. S. A. Mujumdar (TIFR, Mumbai)

Prof. S. A. Mujumdar, one of the promising young experimental physicists in India, has demonstrated the expertise on Nano-optics and Mesoscopic Optics.

The award is given in recognition of his innovative experimental research work in domain of two-dimensional transport in disordered medium.

Young Scientist awards

Buti Foundation Award 2020

- **Dr. Jhilmam Sadhukhan (VECC, Kolkata)**



The award is given in recognition of his innovative theoretical work related to spontaneous fission of heavy & superheavy nuclei.

N.S. Satya Murthy Memorial award

- **Dr. R.S. Dhaka (IIT Delhi)**



The award is given in recognition of his innovative work related to preparation and investigation of properties of novel materials for various applications.

- **Dr. Sanjib Agarwalla (IOP Bhubaneswar)**



The award is given in recognition of his insightful research in neutrino oscillation phenomenology, exploring the measurements of neutrino mixing parameters & searches for possible signatures of physics beyond the Standard Model

S. N. Seshadri Memorial Award

- **Dr. Pankaj Kumar (IUAC, New Delhi)**



The award is given in recognition of his key role in overall development of the Accelerator based Mass Spectrometry (AMS) facility for the radio-nuclei ^{10}Be and ^{26}Al

Aswini Kumar Rath Memorial Award

- **Dr. D. Siwal (Guru Gobind Singh Medical College, Punjab)**



The award is given in recognition of his pioneering work towards advances in experimental nuclear physics.



सी.एस.आई.आर.-केन्द्रीय औषधि अनुसंधान संस्थान, लखनऊ
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
सेक्टर 10, जानकीपुरम विस्तार, सीतापुर रोड, लखनऊ – 226 031 (भारत)
CSIR - Central Drug Research Institute
(Council of Scientific & Industrial Research)
Sector 10, Janakipuram Extension, Sitapur Road, Lucknow - 226 031 (India)



17-02-2021

CDRI AWARDS- 2021 for Excellence in Drug Research

Announcement

The prestigious CDRI Awards 2021 for Excellence in Drug Research in Chemical Sciences category has been awarded to **Dr. Vishal Rai**, Associate Professor, IISER, Bhopal.

In Life Sciences category, **Dr. Siddhesh Shashikant Kamat**, Associate Professor, IISER, Pune and **Dr. Chandrima Das**, Associate Professor, Saha Institute of Nuclear Physics, Kolkata have been selected of the CDRI Awards 2021.

Our heartiest congratulations to the awardees!
The felicitation ceremony will be held on 26th September 2021 during CSIR Foundation Day Celebrations.

Dr. Anand Kulkarni
Principal Scientist
Scientific Directorate

The National Academy of Sciences, India

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14.	CHANDRA, Poodipedi Sarat , Professor, Room No. 6007, CNC, Department of Neurosurgery, All India Institute of Medical Sciences, Anasi Nagar, New Delhi - 110029
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18.	DAS, Benu Brata , Associate Professor, Molecular Biology Laboratory, School of Biological Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata
19.	DAS, Chandrima , Associate Professor, Biophysics and Structural Genomics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata - 700064
20.	DHEVALAPALLY, Ramachary Buchi , Professor, Catalysis Lab., School of Chemistry, University of Hyderabad, Gachibowli, Hyderabad - 500046
21.	DIMRI, Ashok Priyadarshan , Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067
22.	GANESAN, Venkatasubramanian , Professor, Psychiatry Department, National Institute of Mental Health and Neurosciences, Hosur Road, Bengaluru - 560029,
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24.	GUPTA, Ashok Kumar , Professor, Environmental Engineering Division, Department of Civil Engineering, Indian Institute of Technology, Kharagpur, Kharagpur-721302
25.	KANNAN, Shanmugaperumal , Outstanding Scientist & Head, Fuel Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085
26.	KONIJETI, Sreenadh , Professor, Department of Mathematics, Indian Institute of Technology, Delhi, Hauz Khas, New Delhi - 110016



वार्षिक प्रतिवेदन
एवं
परीक्षित लेखा विवरण
2020-2021

ANNUAL REPORT
&
AUDITED STATEMENT OF ACCOUNTS
2020-2021



साहा इंस्टिट्यूट ऑफ न्युक्लियर फिजिक्स

SAHA INSTITUTE OF NUCLEAR PHYSICS

सेक्टर-1, ब्लॉक-एएफ, विधाननगर, कोलकाता-700 064

SECTOR-1, BLOCK-AF, BIDHANNAGAR, KOLKATA-700 064

Awards and Distinctions

[Chandrima Das](#) has received Central Drug Research Institute Award for Excellence in Drug Research in Life Science category, from Council of Scientific & Industrial Research (CSIR). She has also been elected Fellow of The National Academy of Sciences (FNASc.), India and Member of The ACS Chemical Biology Early Career Board.

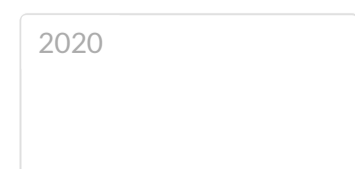
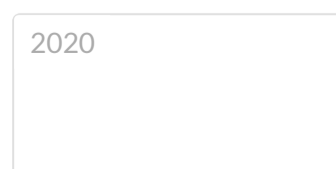
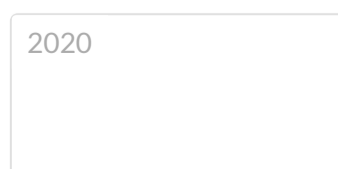
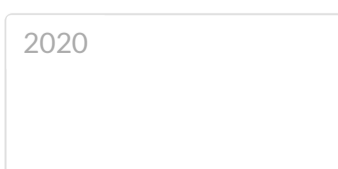
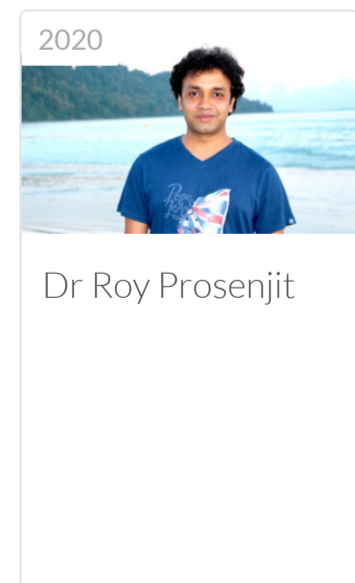
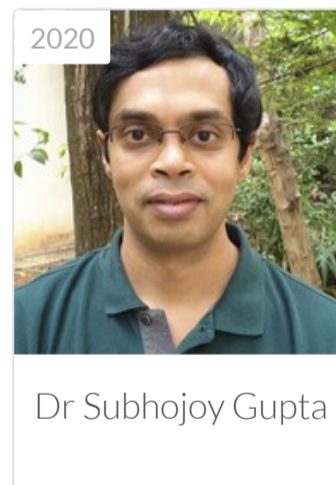
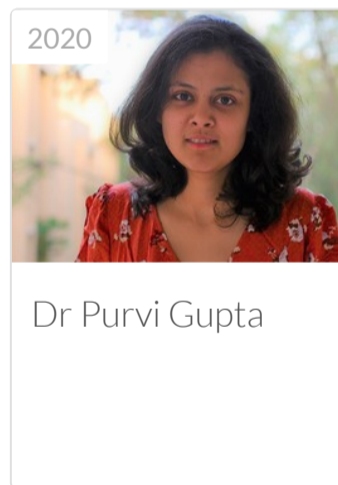
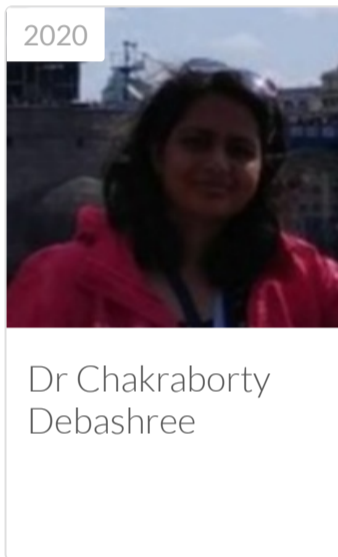
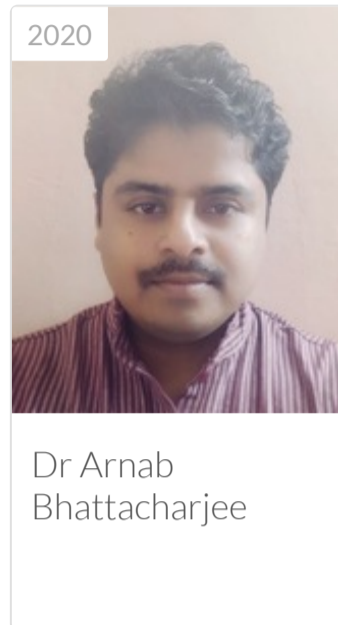
[Sangram Bagh](#) has been inducted as a member of the Editorial Advisory Board of the journal ACS Synthetic Biology (American Chemical Society) from January 2021.

[Prof. Pratik Majumdar](#) was awarded the prestigious Stanislaw Ulam fellowship by the Polish National Agency for Academic Exchange.

[Dr. Ratnadwip Singha](#) was awarded “Outstanding Doctoral Student Award – 2019” by Homi Bhabha National Institute (HBNI).

Associates

With effect from: 2020





CEFIPRA

Dr. Purnima Rupal
Director

INDO FRENCH CENTRE FOR THE PROMOTION OF ADVANCED RESEARCH
(IFCPAR)
CENTRE FRANCO-INDIEN POUR LA PROMOTION DE LA RECHERCHE AVANCÉE
(CEFIPRA)

No. IFC/6304-2/2020/
22 June, 2020

Sub: Project No. 6304-2 “Beyond Standard Model Physics with Neutrino and Dark Matter at Energy, Intensity and Cosmic Frontiers”

Please give reference no. as
‘PROJECT No. 6304-2’ in all correspondences

Dear Dr. Yusuf,

It gives me great pleasure to inform you that the above Project No. 6304-2 submitted jointly by **Dr. Manimala Mitra** of your institution and **Dr. Genevieve Belanger**, CNRS-LAPTh - Laboratoire d'Annecy-le-Vieux de Physique Théorique, Annecy-le-Vieux, France, was recommended by the Scientific Council of CEFIPRA in its 64th meeting held in November 2019, in Bhubaneswar, India and subsequently cleared by the Governments of India and France. While clearing the proposal, the Indian Government has stipulated following conditions:

- a) **In case of the visit of foreign scientists to any restricted areas prior approval of concerned Government authorities such as Ministry of Home Affairs may be taken prior to such visit.**
- b) **In case of any exchange of biological material is required, the Indian PI should take prior approval of the concerned Government Agency, such as National Bio Diversity Authority, ICMR, DBT as the case may be.**

Please find enclosed copy of the budget sheet, as approved, which will be taken into consideration for release of funds and visits under the project. The guidelines for the implementation of CEFIPRA project are also enclosed for your reference.

The funds for the 1st year's budget will be released through bank transfer.

Contd..2/-

The official common date of commencement of the project will be within one month from the date of release of funds for both Indian and French sides. The PIs of the project may propose a mutually agreed starting date to CEFIPRA immediately after receipt of the funds.

With best regards,

Yours sincerely,



(Purnima Rupal)

- Encl:** 1. Copy of the approved budget sheet
2. Guidelines for implementation of the project

Dr. S. M. Yusuf
Director
Institute of Physics (IOP)
Sachivalaya Marg, P.O: Sainik School,
Bhubaneswar, Pin-751005
India

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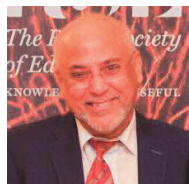
Dr. Manimala Mitra
Reader F
Institute of Physics (IOP)
Sachivalaya Marg,
P.O: Sainik School,
Bhubaneswar-751005, India



INTERNATIONAL CENTRE *for* THEORETICAL SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH
(*T*)

ADJUNCT PROFESSOR



(/people/swapan-
chattopadhyay)

Swapan Chattopadhyay

(<https://www.icts.res.in/people/swapan-chattopadhyay>)

Fermilab, Stanford University, USA

Particle; plasma and beam physics; particle colliders; synchrotron radiation sources; free electron lasers; quantum sensors; cavity QED and atomic interferometers



(/people/ravi-
nanjundiah)

Ravi S Nanjundiah

(<https://www.icts.res.in/people/ravi-nanjundiah>)

Indian Institute of Tropical Meteorology, Pune

Monsoon physics, high-performance computing (HPC), algorithms for visualization, and Big-Data Analytical Techniques

INFOSYS VISITING PROFESSOR

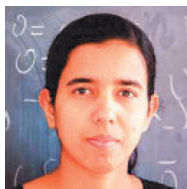


(/people/abhinav-
kumar)

Abhinav Kumar (<https://www.icts.res.in/people/abhinav-kumar>)

Stony Brook University, USA

Number theory, algebraic geometry, combinatorics and discrete geometry



(/people/urna-basu)

Urna Basu

(<https://www.icts.res.in/people/urna-basu>)

Raman Research Institute, Bengaluru

Soft Condensed Matter and Statistical Mechanics



(/people/jeremie-bec)

Jeremie Bec

(<https://www.icts.res.in/people/jeremie-bec>)

CNRS, CEMEF-MINES ParisTech

Fluid dynamics, Statistical physics, Turbulence, Turbulent transport



(/people/amarjit-budhiraja)

Amarjit Budhiraja

(<https://www.icts.res.in/people/amarjit-budhiraja>)

University of North Carolina at Chapel Hill, USA

Probability, Stochastic Analysis, Large Deviations, Stochastic control and filtering



(/people/poonam-chandra)

Poonam Chandra

(<https://www.icts.res.in/people/poonam-chandra>)

NCRA-TIFR, Pune

Circumstellar interaction in Supernovae; Gamma Ray Bursts Afterglows; Electromagnetic counterparts of gravitational wave sources; Radio magnetospheres of massive stars; Acceleration mechanisms in supernova remnants.



(/people/shailesh-chandrasekharan)

Shailesh Chandrasekharan

(<https://www.icts.res.in/people/shailesh-chandrasekharan>)

Duke University, Durham USA

Quantum Field Theory; Condensed Matter, Particle and Nuclear Physics



(/people/debasish-chaudhuri)

Debasish Chaudhuri

(<https://www.icts.res.in/people/debasish-chaudhuri>)

Institute Of Physics, Bhubaneswar

Biological Physics, Soft Condensed Matter Physics, Nonequilibrium Statistical Mechanics and Transport



The Abdus Salam

**International Centre
for Theoretical Physics**



26 April 2019

Dear Prof. Mandal,

Welcome to the community of the Associate Members of the Abdus Salam International Centre for Theoretical Physics! I am happy to inform you that you have been appointed

**Regular Associate of the ICTP
from 01 January 2020 until 31 December 2025.**

This award is, however, subject to the availability of funds each year. The ICTP may at any time revise the terms of this agreement. Please refer to the Annex to this letter for details.

During the above period you will be entitled to 180 days living allowance and three round-trip fares. Associateship visits will not exceed 60 days in total, in the solar year. In order to obtain a travel entitlement your stay must have a minimum duration of 30 days. If you do not exhaust this allocation in the three associateship visits, you may use the remaining days in one or more visits, but in this case, travel expenses will have to be covered by other sources.

Visits to the ICTP should be planned preferably when scientific activities in your specific field of research are being held. Details about travel entitlements and visits are also in the Annex.

The Centre has assigned you Dr. Ali Hassanali as scientific coordinator to whom this letter is being copied. When you decide to carry out an associateship visit you must complete the Visit Form on your ICTP Portal, no later than 30 November of the year preceding this proposed visit. All requests will be considered taking into account the financial availability at the time.

/...

**Prof. Saptarshi Mandal
Institute of Physics
Bhubaneswar
India**

Furthermore, in order to keep your award active, it is essential that you make an associate visit within the first three years of your appointment. Failure to meet this requirement will result in the termination of your award.

Finally, I would like to mention that since its inception in 1964 the ICTP has gained a world-wide reputation as a Centre of excellence and as an instrument for the promotion of physical sciences in developing countries. We rely on you, as an Associate, to strengthen the results already achieved and to promote initiatives in the developing countries, including your own. We look forward to having your personal involvement in the execution of our common mission.

With my best personal regards,

Yours sincerely,

A handwritten signature in blue ink that reads "George Thompson". The signature is written in a cursive style with a period at the end.

George Thompson
Head, Office of Associates
and Federated Institutes

Encls.

c.c. Dr. Ali Hassanali
ahassana@ictp.it

List of Awardees- SwarnaJayanti Fellowships Scheme- 2019-20

S.No	Fellows Detail	Discipline
1.	Dr. Gopaljee Jha National Institute of Plant Genome Research, Delhi	Life Science
2.	Dr. R. Mahalakshmi Indian Institute of Science Education and Research-Bhopal, Bhopal	Life Science
3.	Dr. Biman B. Mandal Indian Institute of Technology-Guwahati, Guwahati	Life Science
4.	Dr. Sandeep Eswarappa Indian Institute of Science, Bengaluru	Life Science
5.	Dr. Angshuman Nag Indian Institute of Science Education and Research-Pune, Pune	Chemical Science
6.	Dr. Dibyendu Das Indian Institute of Science Education and Research- Kolkata, Mohanpur	Chemical Science
7.	Dr. P. Anbarasan Indian Institute of Technology-Madras, Chennai	Chemical Science
8.	Dr. Ekambaram Balaraman Indian Institute of Science Education and Research- Tirupati, Tirupati	Chemical Science
9.	Dr. Anup Biswas Indian Institute of Science Education and Research-Pune, Pune	Mathematical Science
10.	Dr. Hariharan Narayanan Tata Institute of Fundamental Research, Mumbai	Mathematical Science
11.	Dr. Mahesh Kakde Indian Institute of Science, Bengaluru	Mathematical Science
12.	Dr. Vijayakumar S. Nair Vikram Sarabhai Space Centre, Thiruvananthapuram	Earth & Atmospheric Science
13.	Dr. Sambuddha Misra Indian Institute of Science, Bengaluru	Earth & Atmospheric Science
14.	Dr. Rajesh V. Nair Indian Institute of Technology-Ropar, Rupnagar	Physical Science
15.	Dr. Vanchiappan Aravindan Indian Institute of Science Education and Research-Tirupati, Tirupati	Physical Science
16.	Dr. Basudeb Dasgupta Tata Institute of Fundamental Research, Mumbai	Physical Science
17.	Dr. Rejish Nath Indian Institute of Science Education and Research-Pune, Pune	Physical Science
18.	Dr. Sanjib Kumar Agarwalla Institute of Physics, Bhubaneswar	Physical Science
19.	Dr. Suryasarathi Bose Indian Institute of Science, Bengaluru	Engineering Science
20.	Dr. Chandra Shekhar Sharma Indian Institute of Technology-Hyderabad,	Engineering Science
21.	Dr. Prabhu Rajagopal Indian Institute of Technology-Madras, Chennai	Engineering Science

Annual Report

and

Audited Statement of Accounts

2020-21



Institute of Physics

Bhubaneswar



Faculty members from IoP have received national/international recognition/awards/appointment/research grants. Some of these include: Prof. Sanjib Kumar Agarwalla has received the prestigious **“Swarnajayanti Fellowship 2019-20”** from DST, Govt. of India to unravel the landscape of Beyond the Standard Model (BSM) Physics at Neutrino Experiments, and **“N. S. Satya Murthy Award 2020”** from the Indian Physics Association (IPA) in recognition of his insightful research in neutrino oscillation phenomenology, exploring the measurements of neutrino mixing parameters and searches for possible signatures of physics beyond the Standard Model. Prof. Sanjib Kumar Agarwalla has been nominated by DST, to feature in the Coffee Table Book titled **“50 Scientists under 50”** as a part of the DST Golden Jubilee Celebrations. Prof. Agarwalla also received a research grant of Rs. 80 Lakhs from the Science and Engineering Research Board (SERB) to pursue research in the field of neutrino physics for the next five years. Prof. Aruna K. Nayak has been appointed as the convener (Level-2) under the CMS Trigger Coordination. Prof. Manimala Mitra has received the Indo-French bi-lateral research grant. Prof. Sanjib Kumar Agarwalla has received a **research grant from the SERB-DST**. Prof. D. Chaudhuri has received SERB-MATRICES project grant and is selected as an Associate of ICTS-TIFR, Bangalore. Prof. Kirtiman Ghosh has been elected as Associate of IASc, Bangalore. Prof. Shikha Varma is selected as an Editorial Board Member in Journal of Physics: Condensed Matter, Published by IOP Publishing, UK.

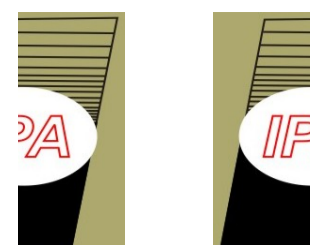
Faculty members from IoP have delivered about 40 invited online talks at various national/international Seminars / Colloquia/Conferences. Some of the faculty members of IOP are also involved in organizing two international conferences in high energy physics. An online conference on **“Emerging Trends in Quantum matters, Statistical and Biological Physics”** was organised at IoP during 23-24 November 2020. A lecture series (webinar) on **“From Tiny Atoms to Solid to Cosmos: The Quantum Aspects”** was organized by the Department of Physics, CET, Bhubaneswar in collaboration with the IOP, Bhubaneswar during 01-05, 2020.

Prof. Ajit M. Srivastava has delivered five popular talks on the universe, elementary particles, and dark energy including a commentary on World Asteroid Day in the English World Service of All India Radio.

The DAE funded Spin Structure Project has been pushed ahead by placing the purchase order of two major equipment costing Rs 6.45 cr, and opening one LC for Rs 2.10 cr. The tendering process for other items costing around Rs 1.20 cr is in progress.

Prof. Arun M. Jayannavar, an eminent scientist of IOP who was an extension for the 2nd term, superannuated on 31/07/2020. The institute is proud of his outstanding scientific contributions in theoretical condensed matter physics.

The term of service of Prof. Ajit M. Srivastava has been extended from 60 to 62 years w.e.f. 01/09/2020 with due approval of the GC.



📌 N.S. Satyamurthy Award for Young Scientists : Awardees

Name and Address	Year	Name and Address	Year
Dr. Arjun Dey URSC, Bangalore	2018	Dr. R.S. Dhaka (IIT Delhi) and Prof. Sanjib Agarwalla (IOP, Bhubaneswar)	2020
Dr. Rajesh Ganapathy JNCASR, Bangalore	2014	Dr. Amit Kumar Agarwal IIT, Kanpur	2016
Dr. Surajit Dhara Univ. of Hyderabad, Hyderabad and Dr. Sudhindra Rayaprol UGC-DAE Centre for Scientific Research Mumbai	2010	Dr. S. K. Mishra BARC, Mumbai and Dr. Sudarshan Ananth IISER, Pune	2012
Dr. G. D. Mukherjee BARC, Mumbai	2002	Dr. Dibyendu Das IIT Bombay, Mumbai and Dr. Tapas Ganguli Raja Ramanna Centre for Advanced Technology, Indore	2008
Dr. P. K. Giri IGCAR, Kalpakkam and Dr. A. K. Pati BARC, Mumbai	2000	Dr. V. K. Aswal BARC, Mumbai and Dr. Tarun Souradeep IUCAA, Pune	2001
Dr. R. Srianand IUCAA, Pune	1998	Dr. Rajeev K. Puri Panjab University, Chandigarh	1999
Dr. Sk. M. Yusuf BARC, Mumbai and Dr. Srinivas Krishnagopal CAT, Indore	1996	Dr. K. Porsezian Anna University, Chennai	1997
Mr. B. K. Panigrahi IGCAR, Kalpakkam and Dr.(Ms) Lavanya M. R. BARC, Mumbai	1994	Dr. Sanjay Puri JNU, New Delhi	1995
Dr. Sonali Banerjee TIFR, Mumbai and Dr. Ashok Chatterjee Univ. of Hyderabad	1992	Mr. Debabrata Biswas BARC, Mumbai and Dr. P. Mandal BHU, Varanasi	1993
Dr. D. J. Biswas BARC, Mumbai and Dr. S. Ramakrishnan TIFR, Mumbai	1990	Dr. Pushan Ayub TIFR, Mumbai and Dr. S. N. Mishra TIFR, Mumbai	1991
Dr. P. K. Gupta BARC, Mumbai and Dr. V. M. Datar BARC, Mumbai	1988	Dr. S. L. Chaplot BARC, Mumbai and Dr. S. Ramaswamy IISc., Bangalore	1989

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Professor Shailesh V. Shrikhande

Gastrointestinal & Hepato-Pancreato-Biliary Cancer Surgeon, Mumbai, India
(<https://www.shaileshshrikhande.org>)



Home (<https://www.shaileshshrikhande.org/>) » Awards and Distinctions

AWARDS AND DISTINCTIONS

1. **Awarded Navbharat Times “Excellence in Cancer Care” Award in July 2021, by Governor of Maharashtra, His Excellency Shri. Bhagat Singh Koshyari, Shri Rajesh Tope, State Cabinet Minister of Health, and Shri Aslam Shaikh, Guardian Minister of Mumbai City, Government of Maharashtra.**
2. **Stanford University of America published a list of world’s top 2% best contributing researchers in the PLOS One journal (among >55,000 researchers worldwide). I have been ranked amongst these top 2%.**
3. **Awarded Honorary Fellowship of American Surgical Association (ASA), Seattle, Washington in June 2020. I am only the second Indian and the first cancer specialist to receive this prestigious honor in 141 years of the world’s oldest association.**
4. **Awarded Covid 19 Yoddha Award 2020, by “Dadasaheb Phalke Icon Award Films-DPIAF- 2020”, Mumbai, November 2020.**
5. **Chairman, Scientific Committee, International Hepato-Pancreato-Biliary Association (IHPBA) 2018 – 2020.**
6. **Member, Academic Governing Council of Institute of Liver and Biliary Sciences, New Delhi 2017 -2019.**
7. **Appointed as the only Indian on the Steering and Program Committee of American Society of Clinical Oncology (ASCO), for the ASCO GI Meetings 2018, 2019 and 2020.**
8. **Awarded “The Krishnaswamy Subrahmaniam Memorial Video Award”.** first place award for **“Robotic Whipple’s Resection video”**. Organized by Vattikuti Foundation, Robotic Surgeons Council, Goa, November 2017.
9. **President Indian Chapter of IHPBA 2019 – 2021.**
10. **Lifetime Achievement Award** for Excellence in Medicine, Matunga Gymkhana **2019**
11. **Vice-Chair, Scientific Committee, IHPBA 2016 – 2018.**
12. **Appointed Chairman for “Indian Council for Medical Research (ICMR) Task Force for**



THE NATIONAL ACADEMY OF SCIENCES, INDIA (NASI)

**(A Scientific Professional Body financially supported by
Department of Science & Technology, Government of India)**

Prof. Satya Deo

Ph.D. (Arkansas, USA), FNASc

General Secretary (HQ), NASI;

Formerly Vice Chancellor, APS University, Rewa (M.P.)

NASI/144/7/2020

5, Lajpatrai Road,

Prayagraj - 211 002

Phone: +91 532 2640224 (O)

Emails : nasi.allahabad1@gmail.com

July 14, 2020

Dear Dr. Choudhury,

I have great pleasure in informing you that the Academy has selected you its Member in the year 2020. I look forward to your active participation in the various activities of the Academy and hope that your association with the Academy will be pleasant and fruitful.

I request you to kindly return the enclosed Membership card duly filled along with your one-page resume and coloured passport size photograph. The certificate of Membership will be sent to you after receiving the Membership card from your end.

The National Academy of Sciences, India, in collaboration with the Springer India Pvt. Ltd., New Delhi has been bringing out quarterly journals, viz. The Proceedings of the National Academy of Sciences, India (PNASI) (Section A - Physical Sciences), PNASI (Section B - Biological Sciences); and a bi-monthly journal viz. National Academy Science Letters (NASL). By virtue of being a Member you will be entitled to have an access to the online published journals of NASI from the year 2021.

I invite you to kindly contribute review articles and research papers for publication in NASI Journals. It may be mentioned that in National Academy Science Letters, only Short Research Communications are published. Kindly visit the websites (www.editorialmanager.com/nasa/; www.editorialmanager.com/nasb/ and www.editorialmanager.com/scle/) for contributing your research articles.

I am confident that your contributions would be extremely valuable in acquainting Fellows, Members, scientists and research workers, especially the younger ones, about the excellent work being done by yourself.

With personal regards,

Yours sincerely

(Satya Deo)
General Secretary (HQ)

General Secretary
NASI, Prayagraj

Dr. Sharmistha Dutta Choudhury

M.Sc., Ph.D.

Scientific Officer F

Radiation and Photochemistry Division

Bhabha Atomic Research Centre Trombay

Mumbai -400 085

Congratulations.

ASD
5/08/2020

MAHARASHTRA ACADEMY OF SCIENCES



This is to certify that Dr. Pathak Arup kumar has been elected as a Young Associate of Maharashtra Academy of Sciences for his significant contributions in the field of Chemical Sciences in the year 2020.

Prof. G. D. Yadav
President

Date: November 28, 2020
Young Associateship No.: BYA98

Dr. Bharat B. Kale
Secretary

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The National Academy of Sciences, India

Fellowship Scrutiny Committee

Fellowship Scrutiny Committee 2020

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 Prof. Paramjit Khurana – General Secretary (OS)
 Prof. Satya Deo – General Secretary (HQ)

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4. Prof. Ashok Misra
5. Prof. H.S. Mani
6. Prof. Sibaji Raha
7. Prof. R.V. Hosur
8. Dr. Vinod Kumar Singh
9. Prof. Arnab Rai Choudhuri
10. Dr. Amit Roy
11. Dr. R. Ramaraj
12. Dr. Sourav Pal
13. Prof. S.C. Dutta Roy
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21. Prof. Raghunath Kashinath Shevgaonkar
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24. Prof. Satya Deo
25. Prof. Manjul Gupta
26. Prof. Dipendra Prasad
27. Dr. Somnath Das Gupta
28. Prof. J. R. Haritsa
29. Dr. Sankar Kumar Pal
30. Dr. Shailesh Nayak
31. Prof. Anurag Sharma
32. Prof. Sunil Kumar Singh
33. Prof. S. P. Mehrotra
34. Dr. Pradeep Kumar Gupta
35. Prof. Sampat Kumar Tandon
36. Dr. Virendra Mani Tiwari
37. Prof. Girija Jayaraman
38. Dr. Sanghamitra Bandyopadhyay
39. Dr. Ram Sagar
40. Prof. Anirban Pathak
41. Dr. Sivaji Chakravorti
42. Prof. Gautam Biswas

BIOLOGICAL SCIENCES

1. Prof. (Mrs.) Manju Sharma
2. Prof. Akhilesh K. Tyagi
3. Prof. V.P. Kamboj
4. Dr. Ramesh V. Sonti
5. Prof. Balram Bhargava
6. Dr. Subeer Suhash Majumdar
7. Dr. Madhu Dikshit
8. Prof. Amit Ghosh
9. Prof. Jitendra P. Khurana
10. Prof. Paramjit Khurana
11. Prof. Hemant Kumar Majumder
12. Prof. G.C. Mishra
13. Prof. Arun Kumar Pandey
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27. Prof. Maharaj K. Pandit
28. Dr. Vishwa Mohan Katoch
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31. Dr. Pramod Kumar Garg
32. Dr. Pijush K. Das
33. Prof. Ishan K. Patro
34. Dr. Samir Bhattacharya
35. Dr. Suchitra Banerjee
36. Dr. Subhra Chakraborty
37. Prof. Hari Sharan Misra
38. Dr. Anil Kumar Tripathi
39. Dr. Shally Awasthi
40. Prof. Madan Mohan Chaturvedi
41. Dr. Rup Lal
42. Dr. Partha Pratim Majumder



डॉ. शेखर चिं. मांडे

एफएनए, एफएएससी, एफएनएएससी

सचिव

वैज्ञानिक और औद्योगिक अनुसंधान विभाग तथा
महानिदेशक

Dr. Shekhar C. Mande

FNA, FASc, FNASc

Secretary

Department of Scientific & Industrial Research and
Director General



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वैज्ञानिक और औद्योगिक अनुसंधान विभाग

Government of India

Ministry of Science and Technology

Council of Scientific & Industrial Research

Department of Scientific & Industrial Research

DG/HRD/SSB-20/Awardee(8)

26 September 2020

Dear Dr Dasgupta,

I am happy to inform that you have been selected for the award of "Shanti Swarup Bhatnagar (SSB) Prize" for the year 2020 in Engineering Sciences.

Please accept my heartiest Congratulations !

It is a rare distinction conferred upon scientists, who have demonstrated exceptional potential in Science and Technology. The award derives its value from its rich legacy of those who won this award before and added enormous value to Indian Science. I am certain that this recognition would encourage you and your group to scale new heights in the years to come. Now, the Nation will look upon you with higher expectation.

The SSB Prize comprising a citation, a plaque and cash prize of Rs. 5,00,000/- (Five lakh rupees) would be presented to you at a formal function, generally presided over by the Hon'ble Prime Minister of India, who is the President, CSIR. In addition, CSIR will grant a special honorarium of Rs 15000/- p.m. with effect from 1st January 2021. I enclose a draft citation to be read at the Award Ceremony. Kindly verify the citation for factual accuracy. In case there is any inaccuracy in it, please intimate the same immediately.

On behalf of CSIR and on my own behalf, I extend to you very best wishes for a glorious future.

With warm regards,

Yours sincerely,

[Shekhar C Mande]

Dr Kinshuk Dasgupta

Materials Group

Bhabha Atomic Research Centre, Mumbai

Mumbai 400 085

AMERICAN PHYSICAL SOCIETY

CERTIFICATE OF FELLOWSHIP

Bedangadas Mohanty

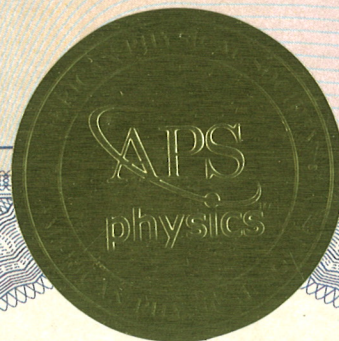
WAS ELECTED A FELLOW OF THE AMERICAN PHYSICAL SOCIETY

THIS 21ST DAY OF SEPTEMBER, 2020

For distinguished contributions to the study of the quantum chromodynamics phase diagram and the search for the QCD critical point in high-energy nuclear collisions at both the Relativistic Heavy Ion Collider and the Large Hadron Collider.

Philip H. Bucksbaum
PRESIDENT

Kate P. Kirby
CHIEF EXECUTIVE OFFICER





प्रोफेसर चंद्रिमा शाहा
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Prof. Chandrima Shaha
President

भारतीय राष्ट्रीय विज्ञान अकादमी
बहादुर शाह ज़फ़र मार्ग, नई दिल्ली-110002
INDIAN NATIONAL SCIENCE ACADEMY
Bahadur Shah Zafar Marg, New Delhi-110002

No. CC/
20 October, 2020

INSA Medal for Young Scientist (2020)

Dear Dr Roy,

It gives me a great pleasure to inform that you have been awarded the prestigious **INSA Medal for Young Scientist (2020)**. You have shown great potential to be a leader in research. I sincerely hope that you will continue to strive hard to reach your potential and to prove your leadership in the coming years. Please accept my heartiest congratulations. I am sure you will rise high and win many laurels in coming years.

INSA Young Scientist Medal award carries a bronze medal, certificate and honorarium of Rs. 1,00,000/-.

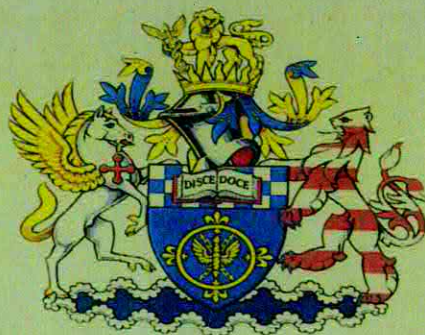
Once again I congratulate you for winning this prestigious award of INSA Medal for Young Scientist (2020).

With best wishes and regards,

Yours sincerely,

Chandrima Shaha
(Chandrima Shaha)

To: **Dr Sutanu Roy**
School of Mathematical Sciences
National Institute of Science Education
and Research (NISER) Bhubaneswar
P.O. Jatni, Khurda 752050



The Institution of Engineering and Technology

Founded 1871 Incorporated by Royal Charter 1921

This is to certify that on
26 May 2020

Dr Archana Sharma

was elected to

Fellow

of the Institution of Engineering and Technology



On behalf of the Institution

IET Chief Executive
and Secretary

IET President

Member of the
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000040



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Nomination Information

The Academy honours Indian and Foreign nationals who are elected by “peer” committees in recognition of their contribution in “Engineering” which are of exceptional merit and demonstrated distinctive eminence in the new and developing areas of technology.

The election to the Academy is by invitation only. Upto 50 Fellows from Academia, R&D and Industry may be nominated by Fellows of INAE affiliated to the following Engineering Sections. Under the Rules & Regulations, the total number of Fellows at any one time may not exceed 1000.

Presently INAE has 861 Fellows from India and 84 Foreign Fellows on its rolls divided into ten Engineering Sections:

Engineering Section -I	(Civil Engineering)
Engineering Section -II	(Computer and Information Technology)
Engineering Section -III	(Mechanical Engineering)
Engineering Section -IV	(Chemical Engineering)
Engineering Section -V	(Electrical Engineering)
Engineering Section -VI	(Electronics & Communication Engineering)
Engineering Section -VII	(Aerospace Engineering)
Engineering Section -VIII	(Mining, Metallurgical and Materials Engineering)
Engineering Section -IX	(Energy Engineering)
Engineering Section -X	(Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry)





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7. **Dr Suparna Bhattacharya** Distinguished Technologist, Hewlett Packard Enterprise, Bangalore.
Engineering Section-III (Mechanical Engineering)
8. **Dr Pramod Kumar**, Associate Professor, Department of Mechanical Engineering, Indian Institute of Science, B
9. **Prof Amitava Datta**, Professor, Department of Power Engineering, Jadavpur University, Kolkata.
10. **Prof Soumitra Paul**, Department of Mechanical Engineering, Indian Institute of Technology Kharagpur.
11. **Dr R Balasubramaniam**, Head, Design and Manufacturing Section, BARC, Mumbai.
Engineering Section-IV (Chemical Engineering)
12. **Prof Kamal Kishore Pant**, Head and Petrotech Chair Professor, Department of Chemical Engineering, Indian I
Delhi.
13. **Prof Pushpavanam Subramaniam**, Institute Chair Professor, Department of Chemical Engineering, Indian Ins
Madras.
14. **Dr Janhavi Sanjay Raut**, R&D Director, Human Microbiome Science & Technology Platform, Unilever R&D, Ba
Engineering Section-V (Electrical Engineering)
15. **Prof Anil M Kulkarni**, Professor, Department of Electrical Engineering, Indian Institute of Technology Bomba
16. **Prof Umanand Loganathan**, Professor, Dept Electronics System Engg, IISC, Bangalore.
17. **Prof Indra Narayan Kar**, Dept of Elect Engg, IIT Delhi.
18. **Dr Akhilanand Pati Tiwari**, Outstanding Scientist, Dept of Atomic Energy, BARC, Trombay.
Engineering Section-VI (Electronics & Communication Engineering)
19. **Prof M V Kartikeyan**, Department of Electronics and Communication Engineering, Indian Institute of Techno
20. **Prof Maryam Shojaei Baghini**, Professor, Department of Electrical Engineering, IIT Bombay.
21. **Prof Jayadeva**, Institute Chair Professor, Department of Electrical Engg, IIT Delhi.
22. **Dr Chandrakanta Kumar**, Scientist/Engineer – 'SG'; Head, Electromagnetics Section U R Rao Satellite Centre, Ir
Organization, Bangalore.
23. **Dr Ravikumar CP**, Director Talent Development, Texas Instrument, Bangalore.
Engineering Section-VII (Aerospace Engineering)
24. **Mr MS Suresh**, Dy. Director, CPE& Project Director SP&P, LPSC, ISRO, Trivandrum.
25. **Dr VR Lalithambika**, Outstanding Scientist, Deputy Director, CGSE, Vikram Sarabhai Space Centre, Thiruvananthapuram





Prasenjit Mal <pmal@niser.ac.in>

Award of Bronze Medal and Invitation for the presentation of Award Lecture in One-Day Webinar on Science Beyond Boundary: Invention, Discovery, Innovation and Society "Rasayan 7"

1 message

RASAYAN <rasayan1423@gmail.com>

Thu, Jan 21, 2021 at 10:28 PM

To: Prasenjit Mal <pmal@niser.ac.in>, Professor Braja Gopal Bag <braja@mail.vidyasagar.ac.in>

Dr. Prasenjit Mal

School of Chemical Sciences, NISER Bhubaneswar

PO Bimpur-Padanpur, Via Jatni, District Khurda, Odisha, PIN 752050

Dear Dr. Prasenjit Mal,

Based on the nomination received and your academic achievements, the society **Chirantan Rasayan Sanstha®** has decided to honor you by offering the **Bronze Medal** of the Society.

A One-Day Webinar on

Science Beyond Boundary: Invention, Discovery, Innovation and Society "Rasayan 7"

will be organized by the society on February 20, 2021. You are requested to kindly deliver the Award Lecture in the webinar.

The CRS Medal Award is associated with following:

- (1) CRS Medal
- (2) CRS Medal Award Lecture (webinar)
- (3) An Invited Article based on the Lecture presented (to be published in an upcoming issue of the Registered Society journal).

I hope you will accept the Medal and deliver the Award Lecture in the symposium.

I request you to kindly send us the following:

- (i) Title of your presentation
- (ii) An abstract of your presentation.

The details of the Scientific Program will be sent to you soon.

Thank you very much.

With sincere regards,

Convener and Rasayan Team

Second One-Day Webinar on

Science Beyond Boundary: Invention, Discovery, Innovation and Society "Rasayan 7"

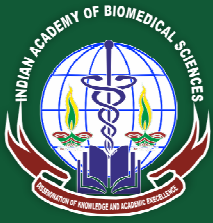
Email: rasayan1423@gmail.com<http://divyarasayan.org/>

On Wed, Jan 6, 2021 at 7:23 PM Prasenjit Mal <pmal@niser.ac.in> wrote:

Dear Prof Bag, Convener and Rasayan Team

I am really delighted to receive the message. Thank you all for the appreciation.

Looking forward to hearing from you soon



INDIAN ACADEMY OF BIOMEDICAL SCIENCES

(Registration No. 2826-2011-2012, Under the Societies Registration Act-1860)

website: www.iabs.in

Ref No.: IABS/Award/2021/004

Date: 31st March 2021

Dr. Amit Kunwar,
Scientific Officer - F
Radiation & Photochemistry Division
Bhabha Atomic Research Center
Mumbai - 400085,

Dear Dr. Kunwar,

It gives me immense pleasure to inform you that in view of your outstanding contributions in the field of Biomedical Sciences, especially in Basic Research, the **Indian Academy of Biomedical Sciences** feels proud to confer upon you **“Mrs. Farha Deeba Haq Award – 2020”**. Kindly accept our heartiest congratulations.

The award will be presented at the Inaugural Function of the 10th Annual Meeting of the Academy, which is going to be organized in Lucknow sometime in November 2021. The date of conference will be intimated to you in due course. You are requested to kindly contact **Prof. Abbas Ali Mahdi** (Mail ID : abbasalimahdi@gmail.com, iabshqr@gmail.com).

Congratulations once again. With warm regards.

Yours sincerely,

(Prof. Hari S. Sharma)

Chairman, Awards Committee
Indian Academy of Biomedical Sciences



भारतीय भूचुम्बकत्व संस्थान

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अंतर्गत एक
स्वायत्त निकाय)

कलम्बोली हायवे, न्यू पनवेल, नवी मुंबई - 410 218

INDIAN INSTITUTE OF GEOMAGNETISM

(An Autonomous Body Under the Dept. of
Science & Technology, Govt. of India)

Kalamboli Highway, New Panvel, Navi Mumbai - 410 218

डॉ. डी. एस. रमेश

निदेशक

DR. D. S. RAMESH

DIRECTOR

Ref: IIG/DIR/GC/2020/0027

Date: 18th February, 2020

Sub.: Reconstitution of the Governing Council of IIG

Dear Prof. Mukherjee Ji,

Namaskar.

I am delighted to welcome you as **Member on the newly constituted IIG Governing Council.** I am writing this mail based on a communication received by this office from DST, New Delhi to this effect conveying constitution of IIG Governing Council (copy enclosed).

IIG looks forward to your enlightened guidance and wise counsel in the coming years.

I shall be grateful to receive your kind acceptance to be on our new Governing Council. Kindly oblige with an email consent in this regard.

Looking forward to your privileged presence on IIG Governing Council.

With every good wish and deep regards.

Yours sincerely,

D. S. Ramesh

(D S Ramesh)

Prof Subroto Mukherjee

Senior Professor and Head-LIGO Div.

Institute for Plasma Research

Bhat Village, Near Indira Bridge

Gandhinagar-382428

Gujarat - INDIA

क्षेत्रीय केंद्र : ईजीआरएल, तिरुनलवेली; केएसकेजीआरएल, इलाहाबाद; एसजीआरसी, शिलांग

चुंबकीय वेधशाला : अलीबाग, कुलाबा, गुलमर्ग, जयपुर, नागपुर, पुदूचेरी, पोर्ट ब्लेयर, राजकोट, सिल्चर, विशाखापट्टनम

Regional Centres : EGRL, Tirunelveli ; KSKGRL, Allahabad ; SGRC, Shillong

Magnetic Observatories : Alibag, Colaba, Gulmarg, Jaipur, Nagpur, Pondicherry, Portblair, Rajkot, Silchar, Visakhapatnam

IIG Facilities (भा.भू.सं. सुविधाएं) : Bharati (भारती), Maitri (मैत्री), Kolhapur (कोल्हापुर)



I.A.C. NEWS BULLETIN

THE OFFICIAL NEWSLETTER OF THE INDIAN ACADEMY OF CYTOLOGISTS

Vol 1; JULY, 2020

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Dr. (Brig) Vijay Shrawan
Nijhawan, Panchkula

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Dr. Dev Prason, Munger

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Dr. Radhika Srinivasan,
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Dr. Dev Prason, Munger

Chairperson, Accreditation and Examination Committee of IAC

Dr. V. K. Iyer, New Delhi

Chairperson International Affairs

Dr. R.G.W. Pinto, Goa

Indian Editor, Acta Cytologica
Dr. Meherbano Kamal, Nagpur

President's Message



Dear Friends,

This is my first address after having taken over the charge of the President of this great Academy. I consider this a great honour and at the same time appreciate the responsibility bestowed on me. Since its inception, this incredible organization has been dedicated, to the upliftment of cytology practice. These amazing efforts and accomplishments would not have been possible without the efforts of past and present IAC executive boards, committees, and members. I would take this opportunity to thank the members of the current executive council for helping me discharge my duties.

The past few months have seen COVID 19 pandemic change the way we live, with India now firmly in its grip. The impact is all around for us to see. Our executive council had to take the hard decision of treating the year 2020 as Dies Non (Null year). This year's annual conference, Cytocon 2020 which was to be held in November at New Delhi had to be cancelled and is now scheduled for next year. What makes this particularly heart-breaking is that this was to be the Academy's golden jubilee year.

Nevertheless, in times of crisis, there's an opportunity for creativity to flourish and shine a light. The academy should grab this opportunity with both hands. I would like to flag a few things in this regard, the most important being the use of virtual platforms to spread the knowledge of cytology.

For the Academy, a crucial aim has been to spread the knowledge of cytology.

While our annual conference and CME's have had some impact, we have major ground to cover. E-learning has become the mainstay for many globally, with video conferencing and other tools for e-Teaching becoming more prevalent. Virtual classrooms, Learning Management Systems are finding favor even with the past naysayers as more platforms open up. A good example would be the first webinar under the aegis of IAC on, "COVID-19: Guidelines for Cytopathology Laboratories" held recently, which saw an enthusiastic response. This has filled us all with excitement about the prospects to grow in this direction with more such webinars in time to come. The eventual goal would be to launch standalone e-courses on various aspects of cytology both for pathology residents, practicing pathologists, and cytotechnicians.

As the first step, a committee will be drawing up plans for a series of webinars for the members so that all of us stay current on developments in our subject. I hope to see us all engaging in great numbers and make this a success.

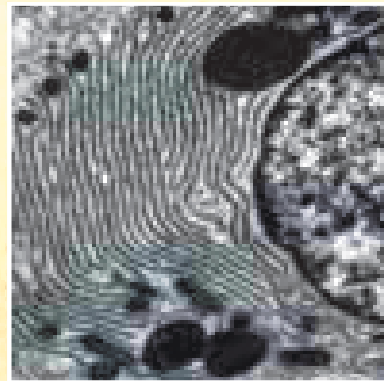
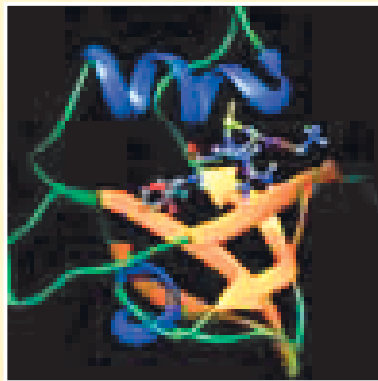
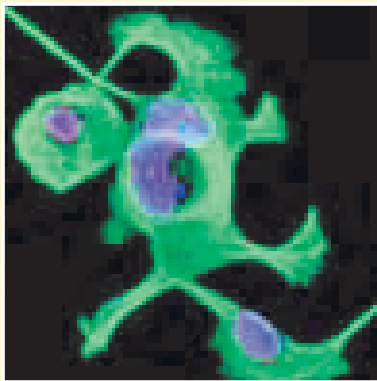
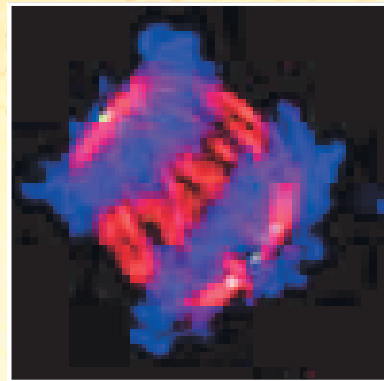
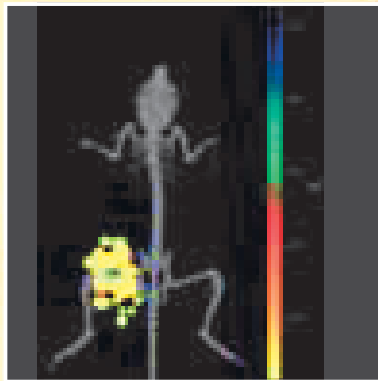
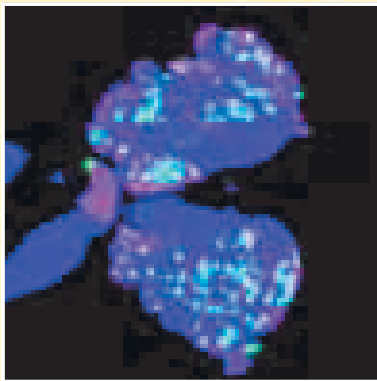
Most importantly, I would like to take this moment to thank and commend all our colleagues in health care who have stood like a great army in this war against the pandemic. The medical community is dedicated to selfless service and while a fight against the microscopic is not new to us, this scale and magnitude certainly are unprecedented.

My best wishes to one and all.

Brig (Dr.) Vijay Shrawan Nijhawan
President, Indian Academy of Cytologists



ADVANCED CENTRE FOR TREATMENT, RESEARCH & EDUCATION IN CANCER (ACTREC)



Annual Report
2020

Staff Achievements



Ambulkar Reshma

- Implementation of Modified Covid Surgical Safety Checklist at TMH and ACTREC
- Coordinated implementation of Surgical Checklist and Covid Checklist at HBCH Sangrur, HBCH Varanasi and HBCHRC Visakhapatnam
- Mentor for the Life box (UK) Global Surgery Research scheme
- Checklist Implementation Strategies workshop revision group (Life box UK)

Ashar Harsh

- Best Poster Award: 'Defining sPLA2-IIA induced proliferation on murine hair follicle stem cells and human epithelial cancer', International Conference on Emerging trends and challenges in cancer chemo-prevention, diagnosis and therapeutics, Tezpur University, Tezpur, Assam, February 17-18, 2020.

Bhat Prashant

- Expert on Panel for Expansion – Chittaranjan National Cancer Institute, Calcutta
- Assessor for CGHS and ECHS empanelment of Hospitals.

Budukh Atul

- Invitee Reviewer: by International Atomic Energy, Vienna to review the Nepal Cancer Registries under impact review

Chaudhari Pradip

- Brigadier SK Mazumdar Oration of the Society of Nuclear Medicine (India) 2020 in recognition of excellent academic and research contribution in the field of Nuclear Medicine and the related disciplines during 52nd Annual Conference of the Society of Nuclear Medicine-India (SNMICON) held at All India Institute of Medical Sciences (AIIMS), Raipur, India (December 11-13, 2020).
- Founder: NNPR Vet and Onco Foundation.

Dalal Sorab

- Patent Filed: An Indian patent and a PCT patent of antibody targeting LCN2 filed in 2020.

De Abhijit

- Patent Filed: Indian Patent Application entitled "Self-Assembled Niclosamide-Hyaluronic Acid Conjugate Micelles for Site-Selective Regression of Tumor and Tumor Spheroids: Synthesis and Applications Thereof". [Ref. No. 20202138024, 03-09-2020].
- Patent Filed: Indian patent application entitled "Peptide Target for Platinum Drug Resistant Ovarian Cancer". [Ref. no. 202021034662, 12-08-2020].

Ganesh B

- Member: Expert Committee of Board for

Research in Nuclear Science (BRNS), DAE for various Health Survey Projects.

Gaur Tarang

- Selected for the Newton-Bhabha PhD placement fellowship jointly funded by Department of Biotechnology, India and British Council, United Kingdom.

Goda Jayant

- Patent Filed: Indian patent application entitled, 'Liposomal in-Gel composition as a injectable drug depot for the delivery of radiosensitizers'.
- Patent filed: US patent application entitled, 'Use of 3,3'-diselenodipropionic acid (DSEPA) as an anticancer agent'.
- Patent Filed: Indian patent application entitled, 'Nanoparticles incorporating self-gelling composition as drug delivery system'.

Gujral Sumeet

- Member of Technical committee of National Accreditation board for Testing and Calibration laboratories (NABL) in Medical testing.
- Member of drafting committee for NABL 112 standards document in Hematology.
- Member of Committee for ICMR Standard Operating Procedures (SOP's) on "Immunophenotyping of Hematolymphoid Neoplasms".
- Editorial Board of "Clinical Cytometry, Part B".
- Editorial Board of "Indian Journal of Cancer".

- Editorial Board of "Indian Journal of Pathology and Microbiology".
- Editorial Board of "National Journal of Basic Medical Sciences".

Gupta Sanjay

- Member, Project Monitoring Committee for 'NSM Platform for Genomics and Drug Discovery' Centre for Development of Advanced Computing, a Scientific Society under Ministry of Electronics and Information Technology, Government of India.
- Editorial Board Member, Journal of Clinical Epigenetics
- Associate Editor, Journal Of Integrated-Omics: A Methodological Journal
- Associate Editor, Journal of Radiation and Cancer Research

Gupta Sudeep

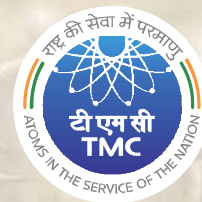
- Chairperson : Healthcare group BRNS [Board of Research in Nuclear Sciences]
- Oration: Urmil B K Kapoor Oration entitled: 'A Few Steps....And a Journey of Thousand Miles...' instituted by the All India Institute of Medical Sciences (AIIMS), New Delhi, November 26, 2020.

Ingle Arvind

- Outstanding Contribution to Animal Science Award-2020 of the Dr. B Vasantharaj David Foundation, Chennai for outstanding contribution to the "Laboratory Animal Science and Higher Education".

TATA MEMORIAL CENTRE

A Grant-in-Aid Institute, Department of Atomic Energy,
Government of India.



Tackling Cancer and Covid together

ANNUAL REPORT 2020 - 2021



New avenues

- A novel drug regime with substantial cost reduction to breast cancer patients was formulated and published by Directors Dr. RA Badwe (TMC) & Dr Sudeep Gupta (ACTREC).
- Introduction of Human Leukocyte Antigen laboratory services at ACTREC.

Recognitions

- Dr. RA Badwe was appointed on the Board of Governor of the newly formed National Medical Commission (NMC) Act – 2019.
- Dr. RA Badwe was appointed as a visiting professor to the National Cancer Centre, Graduate School of Cancer Science & Policy in Korea.
- Dr. CS Pramesh was appointed on Board of Directors of the Union for International Cancer Control (UICC).
- The WHO selected the Dr. B. Booroah Cancer Institute (BBCI), Guwahati as its South-East Asia Regional Practice Network for Childhood Cancer Services (one of the four centres selected in India).
- The Chief Minister of Uttar Pradesh, Shri Yogi Adityanath lauded the efforts of MPMCC in providing cancer services to the local population.

Awards

- Dr Arvind Ingle (ACTREC) received the Outstanding Contribution to Animal Science Award – 2020 conferred by the Dr. B. Vasanthraj David Foundation, Chennai, for meritorious contribution to Laboratory Animal Science and higher education.
- Dr Pradip Chaudhary (ACTREC) was awarded the Brig. SK Mazumdar Oration of the Society of Nuclear Medicine in December 2020.
- Dr Sharada Sawant (ACTREC) was awarded the first prize in Microscopy Techniques under the Metallography Contest at the 12th Asia Pacific Microscopy conference in February 2020.
- Ms Tarang Gaur, a senior research fellow (ACTREC), was selected for the Newton-Bhabha PhD placement fellowship (jointly funded by Department of Biotechnology (DBT), India and the British Council, UK) at UK's Queen's University Belfast.

Patents

Three (03) patents were filed from ACTREC in the year 2020 that included:

- Antibodies against Lipocalin-2 and its Uses
- Nanoparticles incorporated Self-Gelling Composition as Drug Delivery System
- Novel peptides targeted to cisplatin resistant ovarian cancer cells.

Financial burden, pandemic-related

The months between April and July 2020 were the hardest hit financially when the revenues from

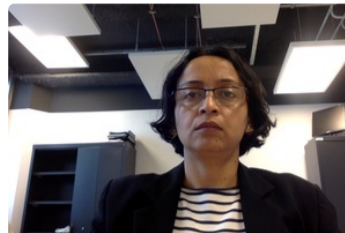
Prof. Sanoli Gun

Ph.D. (HRI)

Elected into the fellowship in 2021 under the Mathematical Sciences section

Year of Birth: 1975.

Specialization: Modular Forms, Special Values of L-Functions, Algebraic Number Theory



Contact:

Address:

The Institute of Mathematical Sciences, CIT Campus, Taramani,
Chennai 600 113, T.N.

Office: (044) 2254 3202

Fax: (044) 2254 1586

Preferred Email: sanoli@imsc.res.in

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Saket Saurabh Chosen as Recipient of 2020 ACM India Early Career Researcher (ECR) Award

December 21, 2020

The Association for Computing Machinery (ACM) India Council has selected Dr. Saket Saurabh of Institute of Mathematical Sciences as the recipient of the 2020 **ACM India Early Career Researcher (ECR) Award** [↗](#). A selection committee comprising eminent international personalities chose Saket for this inaugural edition of the award. As a special case for this first year, the committee also chose to give an Honorable Mention to Dr. Uday Reddy Bondhugula of Indian Institute of Science.

The ACM India ECR Award recognizes individuals in early stages of their careers who have made fundamental, innovative, and impactful contributions to the computing field while primarily working in India. The winner of the ECR award receives a prize of 15 lakhs. The Honorable Mention award carries a prize of 7.5 lakhs. Financial support for both of these awards is provided by **Persistent Foundation** [↗](#).

Saket is recognized for his fundamental contributions to the area of Parameterized Complexity, including methods for showing algorithmic lower bounds, and meta-theorems for polynomial time preprocessing. His work over the last decade can be characterized by these contributions, establishing him as an outstanding researcher, educator, and scientific leader:

1. performing research of the highest quality in multiple areas of algorithms;
2. leading the field of parameterized complexity by initiating new research directions to the community;
3. mentoring students pursuing undergraduate and graduate to postdoctoral fellowships;
4. sharing his knowledge in the form of new courses, lecture notes, surveys, schools, and workshops; and
5. serving the community in conference program committees and journal editorial boards.

Saket received his PhD in Theoretical Computer Science from the Institute of Mathematical Sciences, Chennai. After spending a couple of years as a postdoc at the University of Bergen, Norway, he joined his alma mater for a faculty position, where he is currently a Professor. He is also a Visiting Professor at the University of Bergen.

The 2020 ECR Award Honorable Mention recipient Dr. Uday Reddy Bondhugula is recognized for his fundamental contributions in advancing the theory and practice of polyhedral compilation frameworks, and their use in scientific computing, image processing, and deep-learning application domains. His key research contributions include:

1. making polyhedral optimization practical and effective;
2. loop tiling and distributed-memory code generation;
3. automatic optimization for image processing pipelines;
4. compiler infrastructure for ML/AI computations; and
5. widely-used open source software infrastructure and tools.

Uday received his PhD in Computer Science and Engineering from Ohio State University. He is Associate Professor in the Department of Computer Science and Automation, Indian Institute of Science. He is also the Founder, CEO and CTO of PolyMage Labs, a deep-science startup incubated at Indian Institute of Science.

Please join us in congratulating Saket Saurabh and Uday Reddy Bondhugula.

Regards,
Hemant Pande, Executive Director, ACM India Council
(On behalf of the ACM India Awards Steering Committee)

UROLOGICAL SOCIETY OF INDIA



JAIPUR ORATION

Dr Santosh Menon

Dr. Santosh Menon graduated from Calicut Medical College, Calicut and obtained post graduate training from PGIMER, Chandigarh. Subsequently he joined Tata Memorial Hospital as Assistant Professor in December 2006. He has special interest in Genitourinary and Gynae Oncopathology.

He has won many awards in national and international conferences. He was the lead coordinator INUP. He has also been the Secretary of Society of Genitourinary Pathologists of India, Secretary Urology Cancer Foundation of India. He was also nominated Member of Genitourinary Pathology Society, USA, Membership and Diversity committee. He has been a reviewer of ESTRO ESGO ESMO guidelines in cervical cancer and a member of European Society of Pathology, Gynecology Working group.

He has had many publications in many international and national journals.

He has participated and presented many papers in national and international meetings and conferences and had also participated as faculty speaker at many workshops.

He has also been a reviewer of many journals. The Indian Journal of Pathology and Microbiology, the Indian Journal of Cancer, the Indian Journal of Urology, the Human pathology –Case reports and Gynaecologic and Obstetrics Investigation to name a few.

*In view of a very significant contribution in the field of Genitourinary and Gynae Oncopathology, we welcome him to present the **Jaipur Oration** of Urological Society of India for the year 2020*

Dr Madhu S Agrawal
President, USI

Dr Rajeev T P
Honorary Secretary, USI