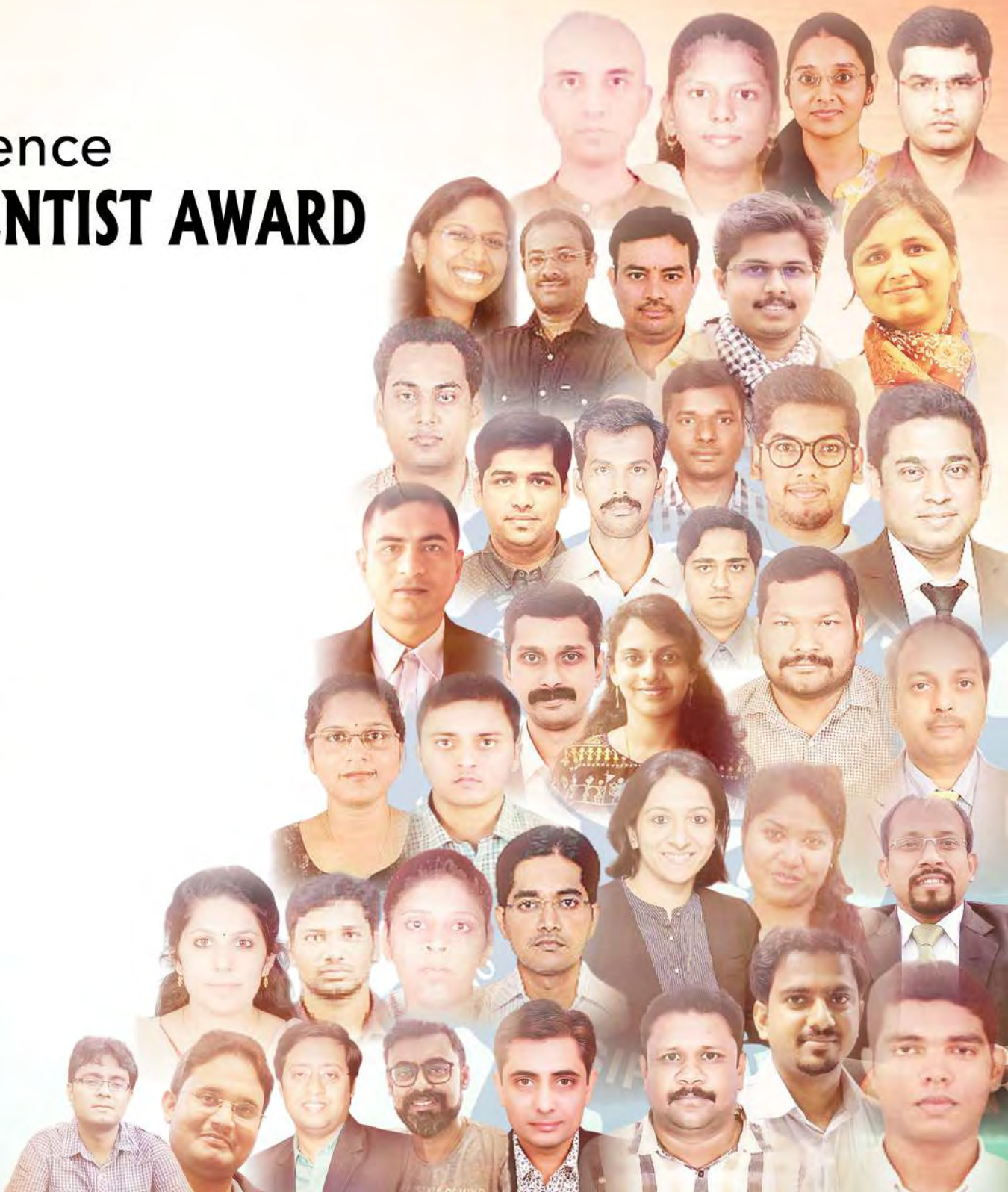


Profiles in Excellence **CSIR YOUNG SCIENTIST AWARD** 1987 - 2022



सीएसआईआर
CSIR

भारत का नवाचार इंजन
The Innovation Engine of India





PROFILES IN EXCELLENCE
CSIR YOUNG SCIENTIST AWARD
1987 - 2022


Compiled by

Dr Inderpal Singh
Dr Manish Bhardwaj

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
NEW DELHI, INDIA

May 2023





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FOREWORD



Dr N Kalaiselvi

Secretary, Government of India
Department of Scientific and Industrial Research
and Director General, CSIR



Council of Scientific and Industrial Research instituted a scheme of awards in 1987, to recognise its brightest young scientists under the age of 35 years, in the fields of biological, chemical, earth-atmosphere-ocean-planetary, engineering and physical sciences. This award is given for outstanding scientific achievements for current research work and for the promise of future achievements. When I look at the recipients of CSIR Young Scientist Award, it is apparent that original contributions that have societal and scientific significance have been considered to be of meritorious excellence.

The CSIR Young Scientist Award currently totals 221 awardees (including 32 women), of which 25 are FNA, 32 are FASc, 32 are FNASc, 22 are Directors/Former Directors of CSIR laboratories, 2 are Infosys Prize winners and 20 have received the most prestigious Shanti Swarup Bhatnagar Prize. Drs J Gowrishankar, SWA Naqvi, Saurav Pal, T K Chakraborty, Murali Sastry, Ashish Lele, S Chandrasekhar and many other notable scientists are on the list of CSIR Young Scientist award winners.

This collection will undoubtedly be a useful knowledge resource for students, scientists, and technologists. I heartily congratulate Team CSIR-HRDG for taking the initiative to put together such an important compilation on CSIR's promotion and recognition of excellence.

New Delhi
May 2023


N Kalaiselvi

PREFACE

The CSIR Young Scientist Award scheme was instituted by CSIR in 1987 to recognise the exceptional work carried out by young scientists within the CSIR System and to promote excellence in various fields of science and technology. The awards are conferred on scientists below the age of 35 years for outstanding contributions made by them, based on the work done primarily in India. The award comprising a citation highlighting the awardees award winning research work, a plaque and a cash prize is given to each recipients every year on 26 September, the CSIR Foundation Day of CSIR. Additionally, each recipient receives a research grant for five years to support a research project of his/her choice.

The guidelines for the CSIR Young Scientist Award have gone through a number of modifications over the years. The prize money of the YS award was ten-thousand rupees when this scheme was instituted; it was increased to twenty-five thousand rupees in 1995; and to fifty-thousand in 2000. Since the beginning of the scheme, a research grant of ten-lakh rupees, given over five years (two lakh rupees annually), has also been provided to the recipients. In 2008, this research grant was enhanced to twenty-five lakhs (five lakhs rupees annually). Additionally, a performance-linked incentive of seventy-five thousand rupees per month was introduced in 2008 to all CSIR and INSA Young Scientist Awardees working for CSIR upto the age of 45 years.

Till 2022, 221 young scientists of different CSIR laboratories have been honoured through the conferment of this award - 42 in Biological, 49 in Chemical, 41 in Earth-Atmosphere-Ocean-Planetary, 54 in Engineering and 35 in Physical Sciences (including Instrumentation). There are 32 women scientists who received this prize - 9 in Biological, 4 in Chemical, 5 in Earth-Ocean-Planetary Sciences, 8 in Engineering, and 6 in the Physical Sciences.

The hope that a recipient of the young scientist award would, after 8-10 years of dedicated research work, blossoms into a claimant of many national and international awards was among the objectives kept in mind when the scheme was founded. The 20 Young Scientist Award winners who received the coveted Shanti Swarup Bhatnagar Prize have essentially made this a reality.

A concerted effort has been undertaken to compile citations of the prize-winning work of all CSIR Young Scientist Award winners. To facilitate reference simpler, their area of expertise and place of work have also been provided, along with contact information. Dr Inderpal Singh and Dr Manish Bhardwaj, as well as other current and former members of the CSIR Human Resource Development Group, deserve praise for their considerable efforts.

New Delhi
May 2023

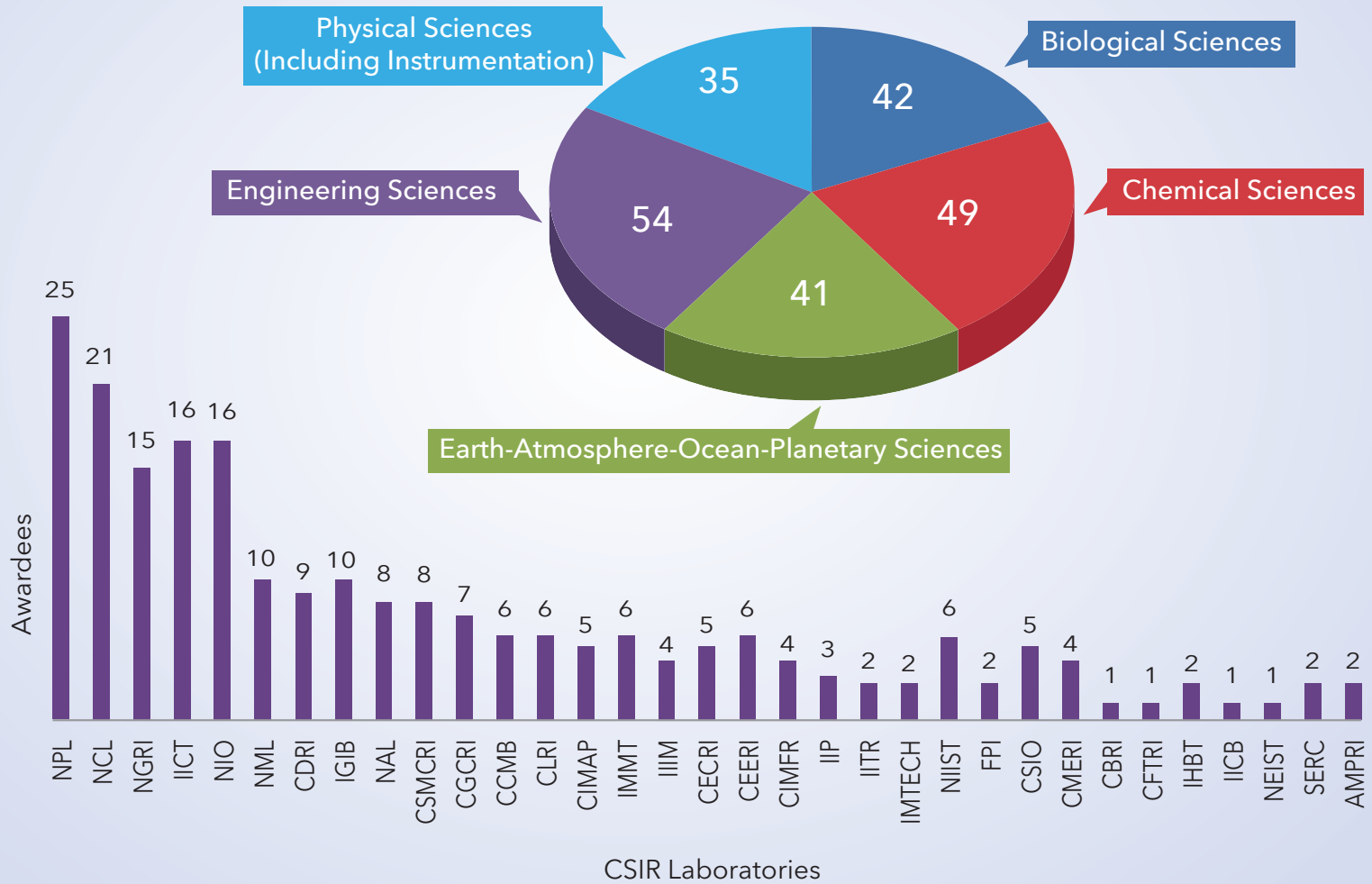


Dr Geetha Vani Rayasam
Head, CSIR HRDG

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CSIR YOUNG SCIENTIST AWARD (1987-2022)





BIOLOGICAL SCIENCES

1987



b. 24 Mar 1956

JAYARAMAN GOWRISHANKAR

FNA, FASc, FNASc, SSB

Sp: Microbial Genetics, Molecular Biology, Biotechnology

For his significant contributions to microbial genetics, in particular, the study of genes involved in osmoregulation in the bacterium *Escherichia coli*.

Director, Indian Institute of Science Education and Research Mohali, Sector 81, SAS Nagar 140 306; Tel: 0172 224 0266; Fax: 0172 224 0124; Mob: 91604 30111; Email: j a y a r a m a n . g o w r i s h a n k a r @ g m a i l . c o m , shankar@iisermohali.ac.in

Gowrishankar graduated in medicine (MBBS) from Christian Medical College, Vellore (University of Madras) in 1979. He obtained PhD from University of Melbourne, Australia in 1983. He joined the Centre for Cellular and Molecular Biology, Hyderabad in 1983. He later moved to the Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad in 2000. He led CDFD as Director from 2005 to 2015. Later in 2019, he was appointed as Director of Indian Institute of Science Education and Research, Mohali.

Awards and Honours: INSA Medal for Young Scientists (1986), CSIR Young Scientist Award (1987), BM Birla Prize (1991), SS Bhatnagar Prize (1997), FICCI Award (1997), New Millennium Medal of Indian Science Congress (2000), Om Prakash Bhasin Award (2005), Padma Shri (2013).

1988



b. 21 Aug 1955

ANAND AKHILA

Sp: Biosynthesis of natural products, particularly Isoprenoids

For his outstanding studies on the biosynthesis of terpenes present in medicinally important plants. He has delineated the novel biosynthetic route of the irregular sesquiterpene in *Artemisia pallens* , *Artemisia annua* and of the squalene metabolic pathway in *Costus speciosus*. His outstanding contributions are characterized by novelty and analytic vigour.

Retired Senior Principal Scientist, Central Institute of Medicinal and Aromatic Plants, Lucknow 226015; Mob: 94155 17642; Email: akhiladr@hotmail.com

Akhila obtained M.Sc from Lucknow University in 1976 and PhD from University College London in 1980. He joined the Central Institute of Medicinal and Aromatic Plants, Lucknow in 1981 and superannuated on 31 August 2015.

Awards and Honours: CSIR Young Scientist Award (1988).

1988



b. 10 Feb 1953

RAMAKRISHNAN NAGARAJ

FNA, FASc, FNASc, SSB

Sp: Membrane Biochemistry, Host-Defence Peptides, Protein Nanostructures

Nagaraj studied the problem of the reaction of newly synthesized proteins involving signal sequences in a comprehensive fashion. He has chemically synthesized the signal sequence, studied the role of various types of amino-acid residues in them and their interaction with membranes. His outstanding contributions are characterized by novelty of ideas and interdisciplinary approach.

INSA Senior Scientist, Centre for Cellular and Molecular Biology, Hyderabad 500 007; Tel: 040 2719 2589; Fax: 040 2716 0591; Mob: 98483 03895; Email: nraj@ccmb.res.in, nrajccmb@gmail.com

Nagaraj obtained M.Sc from Indian Institute of Technology Bombay, Mumbai and PhD from Indian Institute of Science, Bengaluru. He joined the Centre for Cellular and Molecular Biology, Hyderabad in 1980 and superannuated on 28 Feb 2013.

Awards and Honours: INSA Medal for Young Scientists (1981); Young Associate of the Indian Academy of Sciences, Bengaluru (1985); CSIR Young Scientist Award (1988); SS Bhatnagar Prize (1994); PB Rama Rao Award of Society for Biological Chemists, India (1995).

1989



b. 1 Jan 1954

GIRJA SHANKER SHUKLA

Sp: Molecular and cellular toxicology

For his significant contributions to the understanding of pathogenic mechanisms of Manganese neurotoxicity. He has shown that synthesis of catecholamines is increased during early Manganese poisoning. This finding of Dr Shukla has already found applications in clinical practice.

Shukla obtained M.Sc in 1974 and PhD in 1981 from Lucknow University, Lucknow. He joined Industrial Toxicology Research Centre, Lucknow in 1974.

Awards and Honours: CSIR Young Scientist Award (1989).

1989



b. 23 Nov 1953

GHANSHYAM SWARUP

FNA, FASc, FNASc, SSB

Sp: Cell Biology, Molecular Biology, Signal Transduction

For his work in the area of regulation of cellular processes by enzymes that modify other proteins. He has made significant contributions on the physiological function of protein kinases and phosphoprotein phosphatases. His research work on the spleen phosphotyrosine phosphatase throws light on how dephosphorylation can be a signal for the control of tyrosine-specific protein kinases.

J C Bose National Fellow, Centre for Cellular and Molecular Biology, Hyderabad 500 007; Tel: 040 2719 2616; Fax:040 2716 0591; Mob: 99891 33201; Email: gshyam@ccmb.res.in

Swarup obtained M.Sc from Kanpur University in 1975 and PhD from Tata Institute of Fundamental Research, Mumbai in 1980. He worked in Vanderbilt University School of Medicine during 1980-83. He joined the Centre for Cellular and Molecular Biology Hyderabad in 1983 and superannuated on 30 Nov 2013.

Awards and Honours: CSIR Young Scientist Award (1989); SS Bhatnagar Prize (1996).

1990



b. 4 Jan 1955

LAXMINARAIN MISRA

Sp: Organic Chemistry, Chemistry of Bioactive natural Products, Essential Oils and Aroma Chemical.

For successfully isolating and characterizing several new natural products with novel carbocyclic skeletons. He has also discovered a rare electrocyclic reaction in the area of natural products.

Senior Consultant, Sami Labs, Bengaluru 560 058, Tel: 080 2839 7973, Fax: 080 2837 3035; Mob: 94503 65618; Email: laxmisra@hotmail.com

Misra obtained M.Sc in 1976 from Kanpur University and PhD from RML Avadh University, Faizabad in 1982. He joined the Central Institute of Medicinal and Aromatic Plants, Lucknow in 1977 and superannuated on 31 Jan 2015 as Chief Scientist.

Awards and Honours: CSIR Young Scientist Award (1990).

1990



b. 1 May 1955

BABU LAL TEKWANI**Sp:** Biochemical and Molecular Biology

For showing that parasites cause degradation/denaturation of the host's hepatic cytochrome P450 system, which in turn affects the drug metabolism in the host.

Distinguished Fellow and Chair, Infectious Disease Department, Southern Research, 2000 Ninth Avenue South, Birmingham, Alabama 35205; Tel: 662 915 7882; Fax: 662 915 7062; Email: btekwani@olemiss.edu

Tekwani obtained M.Sc from Govind Ballabh Pant University of Agriculture and Technology, Pantnagar in 1979 and PhD from Lucknow University, Lucknow in 1984. He joined Central Drug Research Institute, Lucknow in 1984 then he moved to the University of Mississippi, USA in 2001.

Awards and Honours: Regional Service Award of Asian Pacific Federation of Clinical Biochemists, Hong Kong (1988). CSIR Young Scientist Award (1990).

1991



b. 31 Mar 1958

RUKHSANA CHOWDHURY**FNASc****Sp:** Infectious Diseases, Genetic regulation of bacterial pathogenesis, Microbiome

For her work that led to an understanding of the cholera phase - 149 in certain inhibition of replication of biotypes of Vibrio cholerae.

Retired Chief Scientist, Infectious Diseases and Immunology Division, Indian Institute of Chemical Biology, Kolkata 700 032; Mob: 98301 75773; Email: rukhsanachowdhury@hotmail.com, rukhsana@iicb.res.in

Chowdhury obtained M.Sc in 1982 and PhD in 1989 from University of Calcutta, Kolkata in 1989. She joined Indian Institute of Chemical Biology, Kolkata in 1990.

Awards and Honours: CSIR Young Scientist Award (1991); DBT National Young Women Bioscientist Award (2003).

1991



b. 4 Feb 1959

AMITABHA MUKHOPADHYAY

FNA, FASc, FNASc, SSB

Sp: Cell Biology, Host-Pathogens Interaction, Drug Delivery

For developing a new and general approach for selective delivery of drugs to macrophages for Control of intracellular infections.

Kusuma School of Biological Sciences, Indian Institute of Technology, New Delhi 110 016; Tel: 011 2659 1106; Mob: 98108 87164; Email: amitabha@bioschool.iitd.ac.in, leish.amit@gmail.com

Mukhopadhyay obtained M.Sc from Calcutta University, Kolkata and PhD in 1983 from Jadavpur University, Kolkata while working at Indian Institute of Chemical Biology, Kolkata and Institute of Microbial Technology, Chandigarh. He joined the Institute of Microbial Technology, Chandigarh in 1989 as Scientist and then moved to National Institute of Immunology, New Delhi in 1992. Later in 2018, he joined Indian Institute of Technology, New Delhi as Professor.

Awards and Honours: CSIR Young Scientist Award (1991); DBT National Bioscience Award (2001); SS Bhatnagar Prize (2002); Ranbaxy Research Award (2004).

1992



24 Dec 1957 - Nov 2010

MOHAMMED ISLAM KHAN

FASc

Sp: Protein Chemistry, Biophysics

For his contributions towards the understanding of the specificities of protein-carbohydrate recognition and has discovered novel lectins.

Khan obtained M.Sc in 1978 and PhD in 1986 from Aligarh Muslim University, Aligarh while working at Indian Institute of Chemical Biology Kolkata and Indian Institute of Science Bengaluru. Khan joined National Chemical Laboratory, Pune in 1990. He died in November 2010.

Awards and Honours: INSA Young Scientist Award (1987); CSIR Young Scientist Award (1992); N-BIOS Prize (2002).

1992



b. 2 Jan 1959

YOGENDRA SHARMA**FNA, FASc, FNASc****Sp:** Calcium-binding Proteins, Protein structure function and evolution, Biophysics

He discovered EF-hand motif in delta-crystallin and a novel type of calcium-binding site in betagamma-crystallins.

Department of Biological Sciences, Indian Institute of Science Education and Research, Berhampur 760 010; Tel: 0680 2227 776; Mob: 99086 30358; Email: yogendra@iiserbpr.ac.in, yogen.ccmb@gmail.com

Sharma obtained M.Sc in 1980 from Meerut University and PhD in 1989 from Saha Institute of Nuclear Physics, Kolkata. He joined Centre for Cellular and Molecular Biology, Hyderabad in 1988 and superannuated on 31 Jan 2019. He later joined Indian Institute of Science Education and Research, Berhampur as Professor.

Awards and Honours: CSIR Young Scientist Award (1992); M Sreenivasaya Memorial Award of the Society of Biological Chemists (2008).

1993



b. 24 Aug 1958

RAJENDRA SINGH SANGWAN**FNA, FNASc, FNAAS****Sp:** Plant Secondary Metabolism, Plant Biochemistry and Biotechnology, Secondary Metabolomics and Synthetic Biology, Medicinal and Aromatic Plants

For his contributions towards the understanding of plant secondary metabolism. He studied the enzymology of geraniol-citral transformation and identification and purification of novel enzyme, geraniol dehydrogenase, in lemongrass and its use as a biochemical marker of lemongrass essential oil quality.

501, Type V, Residential Complex, Central University of Haryana, Mahendergarh 123 029; Mob: 94512 46764, 99150 35566; Email: sangwan@acsir.res.in, dr.sangwan@gmail.com

Sangwan did M.Sc in 1981 and PhD in 1987 from Haryana Agricultural University, Hisar. He started research career as scientist at Central Institute of Medicinal and Aromatic Plants, Lucknow, in 1986. He led DBT Center of Innovative and Applied Bioprocessing (CIAB), Mohali as Chief Executive Officer in 2012. Later in 2017, he was appointed as Director of Academy of Scientific and Innovative Research, Ghaziabad.

Awards and Honours: IUBMB Young Biochemists Award (1992); CSIR Young Scientist Award (1993); ISCA Professor Umakant Sinha Memorial Award (1998).

1994, 1995: No Award

1996



24 May 1962 -
15 July 2011

VINOD BHAKUNI

FNA, FASc, FNASc, SSB

Sp: Protein Folding and Molecular Biophysics

For his significant contributions in the area of Membrane Structure and Function. His work, particularly on lipophosphoglycan in relation to leishmania infection, is quite interesting and promising.

Bhakuni obtained M.Sc in 1984 from Lucknow University, Lucknow and PhD in 1990 from Lucknow University, Lucknow while working at Central Drug Research Institute, Lucknow. He joined Central Drug Research Institute, Lucknow in 1992.

Awards and Honours: CSIR Young Scientist Award (1996); DBT National Bioscience Award (2002); SS Bhatnagar Prize (2006); PB Rama Rao Award (2006).

1997



b. 17 Dec 1962

NEENA GOYAL

Sp: Parasite Biochemistry

For developing an axenic culture of amastigotes of the Indian strain of Leishmania donovani Dd-8 and characterizing the same using biochemical and ultrastructural parameters. The axenic cultures have important applications in terms of drug screening and antigens for vaccine production.

Chief Scientist, Division of Biochemistry, Central Drug Research Institute, Lucknow 226 031; Tel: 0522 277 2450; Fax: 0522 277 1941; Email: neena_goyal@cdri.res.in

Goyal obtained M.Sc in 1982 from Lucknow University, Lucknow and PhD in 1987 from Agra University, Agra. She joined Central Drug Research Institute Lucknow in 1991.

Awards and Honours: CSIR Young Scientist Award (1997).

1998: No Award

1999



b. 11 Sep 1964

ALOK DHAWAN

FNASc, FAMS

Sp: Alternate to animal models in Toxicology, Genetic Toxicology, Nanomaterial toxicology, In Silico Toxicology

For his contributions providing definitive evidence for species, sex and regional differences in the activity of P450 isozymes in mammalian brain. His work demonstrates that brain cells are also involved in metabolism of drugs and xenobiotics.

Director, Center of Biomedical Research, SGPGIMS Campus, Lucknow 226 014; Tel: 0522 249 5034; Mob: 99251 20444; Email: director.cbmr@cbmr.res.in, alokdhawan@gmail.com

Dhawan obtained M.Sc in 1986 and PhD in 1991 from University of Lucknow, Lucknow. He joined Indian Institute of Toxicology Research, Lucknow in 1997. He led the Institute as Director from 2015 to 2020. Later in Nov 2020, he was appointed as Director of Center of Biomedical Research, Lucknow.

Awards and Honours: INSA Young Scientist Award (1993); CSIR Young Scientist Award (1999); Shakuntala Amir Chand Prize (2002); Gold Medal, Society of Toxicology (2010); Vigyan Ratna, Council of Science and Technology, Govt of Uttar Pradesh (2011).

2000



b. 31 Jul 1966

PURNANANDA GUPTASARMA

Sp: Protein Engineering, Structural Biochemistry

For his original contributions to the structural biochemistry of protein folding and interactions in crucial biological systems.

Department of Biological Sciences, Indian Institute of Science Education and Research Mohali, Sector 81, SAS Nagar 140 306; Tel: 0172 229 3151; Fax: 0172 224 0266; Mob: 98154 17265; Email: guptasarma@iisermohali.ac.in, guptasarma@yahoo.com

Guptasarma obtained M.Sc in 1988 from Birla Institute of Technology and Science (BITS), Pilani and PhD in 1993 from Jawaharlal Nehru University, New Delhi while working at Centre for Cellular and Molecular Biology, Hyderabad. He joined Institute of Microbial Technology, Chandigarh in 1996. Later in oct 2010, he joined the Indian Institute of Science Education and Research, Mohali as Professor.

Awards and Honours: INSA Young Scientist Award (1993); A K Bose Memorial Medal for Young Scientists (1996); CSIR Young Scientist Award (2000); AVRA Young Scientist Award (2005).

2000



b. 1 Mar 1967

AJIT KUMAR SHASANY

FNASc, FNAAS

Sp: Molecular Biology and Biotechnology

For his combined basic and application-oriented research for evolving disease and pest resistant menthol mint varieties and their characterization using genomic analysis.

Director, National Institute for Plant Biotechnology, LBS Center Pusa Campus, New Delhi 110 012; Tel: 0112584 8783, 2584 1787; Fax: 0112584 3984; Mob: 94150 27245; Email: director.nipb@icar.gov.in, ak.shasany@cimap.res.in

Shasany obtained M.Sc in 1991 from Assam Agricultural University, Jorhat and PhD in 1996 from Indian Agricultural Research Institute, New Delhi. He joined the Central Institute of Medicinal and Aromatic Plants, Lucknow in 1996. Later in 2021, he was appointed as Director of National Institute for Plant Biotechnology, New Delhi.

Awards and Honours: CSIR Young Scientist Award (2000); ISCA Prof Umakant Sinha Memorial Award (2003); Samanta Chandra Sekhara Award, Odisha Bigyan Academy (2012); CSIR Technology Award for Biological Sciences (2012).

2001



b. 16 Aug 1968

SAMAN HABIB

FNA, FASc, FNASc

Sp: Malaria Parasitebiology, Human Genetic Factors and Malaria Susceptibility

For employing novel approaches to delineate the mechanisms by which a single cis element confers both transcriptional enhancer and origin of replication activities in an insect virus genome.

Chief Scientist, Division of Biochemistry and Structural Biology, Central Drug Research Institute, Lucknow 226 031; Tel: 0522 277 2477; Fax: 0522 277 1941; Mob: 93352 48113; Email: saman_habib@cdri.res.in, saman.habib@gmail.com

Habib obtained M.Sc in 1991 from University of Delhi, Delhi and PhD in 1996 from Jawaharlal Nehru University, New Delhi while working at National Institute of Immunology, New Delhi. She joined Central Drug Research Institute, Lucknow in 1998.

Awards and Honours: INSA Young Scientist Award (1996); CSIR Young Scientist Award (2001); DBT National Young Women Bioscientist Award (2012).

2001



b. 13 Nov 1967

MITALI MUKERJI**FASc, FNASc, SSB****Sp:** Functional Genomics, Population Genomics, Ayurgenomics

For her excellent contributions to an understanding of the roles of DNA structural elements in two different systems, namely the crypticity of the bgl operon in E.coli and the amplification of triplet repeats in human genetics disease.

Department of Bioscience and Bioengineering, Indian Institute of Technology, Jodhpur 342 037; Mob: 98112 88052; Email: mitali@iitj.ac.in, mitali.igib@gmail.com

Mukerji obtained M.Sc in 1991 from Indian Agricultural Research Institute, New Delhi and PhD in 1997 from Indian Institute of Science, Bengaluru. She joined the Institute of Genomics and Integrative Biology, New Delhi in 1997. Later in 2021, she joined Indian Institute of Technology, Jodhpur as Professor.

Awards and Honours: CSIR Young Scientist Award (2001); DBT National Young Woman Bioscientists Award (2007); S S Bhatnagar Prize (2010).

2003



b. 14 May 1968

TARUNA MADAN GUPTA**Sp:** Innate Immunity, Aspergillosis

For her important contributions in the area of diagnosis and understanding of the unborn defence mechanisms provided by surfactant proteins A and D against allergic bronchopulmonary aspergillosis.

Scientist F, National Institute for Research in Reproductive Health, Mumbai 400 012; Tel: 022 2419 2000; Fax: 022 2413 9412; Email: taruna_m@hotmail.com, guptat@nirrh.res.in

Gupta earned M Pharm in 1991 from University of Delhi College of Pharmacy. She obtained PhD in 1999 from University of Delhi College of Pharmacy while working at the Institute of Genomics and Integrative Biology, Delhi. She joined the Institute of Genomics and Integrative Biology, Delhi in 2002 as Scientist. Later in 2007, she moved to National Institute for Research in Reproductive Health, Mumbai.

Awards and Honours: INSA Young Scientist Award (1998); CSIR Young Scientist Award (2003); ISCA Young Women Bioscientist (2004).

2002: No Award

2004



b. 17 Jun 1972

DEBASIS DASH

Sp: Genome Informatics, Computational Biology

For his impressive accomplishment in the field of bioinformatics. His use of short peptide stretches to relate proteins in different genomes, which have similar function is exemplary. His development of PLHOST software and associated databases is work of the best international standard.

Chief Scientist, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 020; Tel: 011 2987 9301; Fax: 011 2766 7471; Mob: 98103 55975; Email: ddash@igib.res.in, ddash@igib.in

Dash obtained M.Sc in 1994 and PhD in 1998 from University of Delhi, Delhi. He joined the Institute of Genomics and Integrated Biology, Delhi in 2001.

Awards and Honours: CSIR Young Scientist Award (2004); DBT National Bioscience Award (2014).

2006



b. 26 Jan 1973

MOHAMMAD SOHAIL AKHTAR

Sp: Eukaryotic gene regulation, Proteomics, Structure, stability, function and application of proteins

For providing intriguing insights into the role of structural domains of *Streptococcus* hyaluronate lyase and of ionic interactions in modulating the functional activity and stability of the enzyme.

Senior Principal Scientist, Central Drug Research Institute, Lucknow 226 031; Tel: 0522 277 2450; Fax: 0522 277 1941; Mob: 99185 91000; Email: sohail@cdri.res.in

Akhtar obtained M.Sc in 1999 from University of Calicut, Kerala and PhD in 2003 from Jawaharlal Nehru University, New Delhi. He joined Central Drug Research Institute, Lucknow in 2004.

Awards and Honours: CSIR Young Scientist Award (2006); NASI Young Scientist Award (2006).

2005: No Award

2007: No Award

2008



b. 9 Dec 1974

BEENA RAMAKRISHNA PILLAI**Sp:** Neuronal Gene Regulation

For successfully applying microarray technology in gene expression profiling in different system. This would eventually help in understanding human diseases.

Chief Scientist, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 020; Tel: 011 2987 9303; Email: beena@igib.in, beenapillai@igib.res.in

Pillai obtained MS in 1998 and PhD in 2002 from Indian Institute of Science, Bengaluru. She joined the Institute of Genomics and Integrative Biology, Delhi in 2004.

Awards and Honours: CSIR Young Scientist Award (2008); INSA Young Scientist Award (2009).

2009



b. 25 Sept 1974

FAYAZ AHMAD MALIK**Sp:** Cancer Biology, Drug Discovery, Pharmacology

For his excellent work related to development of anticancer herbal formulations from Indian Medicinal Plants along with their mechanisms of action.

Senior Principal Scientist, Cancer Pharmacology Division, Indian Institute of Integrative Medicine, Jammu 180 001; Tel: 0191 2569 000; Fax: 0191 2569 333; Mob: 94191 87187; Email: fmalik@iiim.res.in, malik_fayaz@yahoo.com

Malik obtained M.Sc in 2001 and PhD in 2009 from Panjab University, Chandigarh. He joined Indian Institute of Integrative Medicine, Jammu in 2008.

Awards and Honours: CSIR Young Scientist Award (2009).

2010



b. 6 Feb 1975

M MOHAMMED IDRIS

Sp: Neuroscience, Development Biology and Marine Science

For his excellent work on discovery of genes involved in Pancreatitis and Huntington's diseases, establishment of genetic diagnostic procedures and recent insight into neurodegeneration in zebrafish model.

Senior Principal Scientist, Centre for Cellular and Molecular Biology, Hyderabad 500 007; Tel: 040 2719 2770; Fax: 040 2716 0591; Mob: 99590 54881, Email: idris@ccmb.res.in

Idris obtained M.Sc in 1998 from University of Madras, Chennai and PhD in 2008 from the Open University, United Kingdom. He joined the Centre for Cellular and Molecular Biology, Hyderabad in 2000.

Awards and Honours: CSIR Young Scientist Award (2010).

2010



b. 2 Jan 1976

SUDESH KUMAR YADAV

FNASc, FNAAS

Sp: Biotechnology, Metabolic Engineering and Biosynthetic Technology

For his outstanding contribution in the area of metabolic engineering and abiotic stress tolerance in plants.

Scientist G, Center of Innovative and Applied Bioprocessing, Mohali 140 306; Tel: 0172 522 1494, Fax: 0172 522 1499; Email: sudesh@ciab.res.in

Yadav obtained M.Sc in 1999 and PhD in 2002 from CCS, Haryana Agricultural University, Hissar. He joined Institute of Himalayan Bioresource Technology, Palampur in 2004 as Scientist and then moved to the Center of Innovative and Applied Bioprocessing, Mohali in 2016.

Awards and Honours: INSA Young Scientist Award (2008); NASI Platinum Jubilee Young Scientist Award (2009); CSIR Young Scientist Award (2010); ISCA Prof Hira Lal Chakravarty Memorial Award (2012); Haryana Yuva Vigyan Ratna Award (2015).

2011: No Award

2012



b. 31 Jul 1978

AVINASH MISHRA**Sp:** Molecular Biology and Biotechnology

For his excellent work on understanding adaptation of algae and plants to salt stress and towards development of potential biotechnological applications.

Principal Scientist, Central Salt and Marine Chemicals Research Institute, Gijubhai Badheka Marg, Bhavnagar 364 002; Tel: 0278 2567 760; Fax: 0278 257 0885; Mob: 94272 32022; Email: avinash@csmcri.res.in

Mishra obtained M.Sc in 1999 and PhD in 2005 from Govind Ballab Pant University of Agriculture and Technology, Pantnagar. He joined Central Salt and Marine Chemicals Research Institute, Bhavnagar in 2004.

Awards and Honours: CSIR Young Scientist Award (2012).

2012



b. 9 Mar 1981

VINOD SCARIA**Sp:** Bioinformatics and Computational Biology

For his outstanding contributions in the field of micro RNA biology and for developing novel computational tools for the analysis of genomic data.

Principal Scientist, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 020; Tel: 011 2987 9109; Fax: 011 2766 7471; Mob: 96504 66002; Email: vinods@igib.in, vinods@igib.res.in

Scaria graduated in Medicine (MBBS) from Calicut University, Kerala in 2003. He joined the Institute of Genomics and Integrative Biology, New Delhi in 2007.

Awards and Honours: CSIR Young Scientist Award (2012).

2013



b. 15 Jun 1978

ARUN KUMAR TRIVEDI

Sp: Cancer Biology and Cancer Proteomics

For his outstanding contributions towards identification of novel targets of E3 ubiquitin ligases that regulate tumorigenesis.

Senior Principal Scientist, Central Drug Research Institute, Lucknow 226 031; Tel: 0522 2772 450; Fax: 0522 2772 2450; Mob: 98397 90765; Email: arun3vedi@cdri.res.in, arun3vedi@gmail.com

Trivedi obtained M.Sc in 2001 from Banaras Hindu University, Varanasi and PhD in 2006 from Ludwig Maximillians University, LMU Munich, Germany. He joined Central Drug Research Institute, Lucknow in 2007.

Awards and Honours: NASI Young Scientist Platinum Jubilee Award (2012); UP State Council of Science and Technology Young Scientist Award (2012); CSIR Young Scientist Award (2013); INSA Young Scientist Award (2013).

2014



b. 15 Jun 1981

RAJENDER SINGH

Sp: Male Reproductive Biology

For his outstanding contribution in understanding the role of aldose reductase in male fertility, leading to the development of novel molecules for contraception.

Senior Principal Scientist, Central Drug Research Institute, Lucknow 226 031; Tel: 0522 277 2550; Fax: 0522 2772 2450; Mob: 90448 72221; Email: rajender_singh@cdri.res.in

Singh received M.Sc in 2003 from Guru Nanak Dev University, Amritsar and PhD in 2007 from the Centre for Cellular and Molecular Biology, Hyderabad. He joined Central Drug Research Institute, Lucknow in 2007.

Awards and Honours: ISHG Young Scientist Award (2006); INSA Young Scientist Award (2011); ISCA Young Scientist Award (2012); CSIR Young Scientist Award (2014).

2014



b. 9 Oct 1978

VIVEK T NATARAJAN

Sp: Skin Biology

For his outstanding contribution in skin biology. His work identified a critical role for IFN- γ in pigmentation and has relevance to future therapeutic approaches.

Senior Principal Scientist, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 020; Tel: 011 2987 9203; Fax : 011 2766 7471; Mob: 99680 68360; Email: tn.vivek@igib.res.in

Natarajan obtained MS in 2002 and PhD in 2006 from Indian Institute of Science, Bengaluru. He joined the Institute of Genomics and Integrative Biology, Delhi in 2011.

Awards and Honours: CSIR Young Scientist Award (2014).

2015



b. 11 May 1980

MOHAMMED FARUQ

Sp: Clinical Genetics

For his outstanding contributions to understand the genetic basis of unknown ataxias in the Indian population using genome exome sequencing methodology. His work in this difficult area of disease genetics will help in the molecular characterization of rare genetic disorders.

Principal Scientist, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 020; Tel: 011 2766 6156; Fax: 011 2766 7471; Mob: 99109 53040; Email: faruq.mohd@igib.res.in

Faruq graduated in Medicine (MBBS) in 2005 from Kerala University and obtained PhD in 2014 from All India Institute of Medical Sciences, New Delhi. He joined the Institute of Genomics and Integrative Biology, Delhi in 2006.

Awards and Honours: CSIR Young Scientist Award (2015).

2015



b. 1 May 1980

SUMIT GHOSH

Sp: Plant Biotechnology

For his outstanding contributions in providing novel insights into biosynthesis of medicinally important pentacyclic triterpenes in sweet basil and softening process in climacteric and non-climacteric fleshy fruits.

Senior Scientist, Central Institute of Medicinal and Aromatic Plants, Lucknow 226 015; Tel: 0522 271 8518; Fax: 0522 271 8639; Mob: 95650 30235; Email: sumitghosh@cimap.res.in, sumitg80@gmail.com.

Ghosh obtained M.Sc in 2003 from Bidhan Chandra Krishi Vishwavidyalaya, West Bengal. He completed PhD in 2009 from Jawaharlal Nehru University, New Delhi while working at National Institute of Plant Genome Research, New Delhi. He joined Central Institute of Medicinal and Aromatic Plants, Lucknow in 2013.

Awards and Honours: NASI Young Scientist Platinum Jubilee Award (2014); INSA Young Scientist Award (2015); DBT Innovative Young Biotechnologist (2015); CSIR Young Scientist Award (2015).

2016



b. 5 Jul 1982

UMAKANTA SUBUDHI

Sp: DNA Nanotechnology

For his innovative approach to the use of eukaryotic exon sequences in developing novel branched-DNA nanostructures which have the potential for antisense applications and DNA based therapy.

Principal Scientist, Institute of Minerals and Materials Technology, Bhubaneswar 751 013; Tel: 0674 237 9299; Fax: 0674 256 7160; Mob: 99386 72226 / 89173 78887; Email: usubudhi@immt.res.in, subudhisai@gmail.com

Subudhi obtained M.Sc in 2004 and PhD in 2010 from Utkal University, Bhubaneswar. He joined the Institute of Minerals and Materials Technology, Bhubaneswar in 2009.

Awards and Honours: CSIR Young Scientist Award (2016); DBT Innovative Young Biotechnologist Award (2018); Odisha Young Scientist Award in Life Sciences (2010).

2017, 2018: No Award

2019



b. 10 Feb 1985

BIDYUT PURKAIT**Sp:** Drug Resistance of Parasite, Leishmaniasis

For his valuable contribution for deciphering the mechanism of Amphotericin-B resistance in clinical isolates of *Leishmania donovani* and introduction of the new target from RNA editing machinery for anti-leishmanial therapy.

Scientist, Division of Molecular Parasitology and Immunology, Central Drug Research Institute, Lucknow 226 031; Tel: 0522 277 2450; Fax: 0522 077 1941; Mob: 88040 34983; Email: bidyut.purkait@cdri.res.in

Purkait obtained M.Sc in 2007 and PhD in 2016 from University of Calcutta. He joined Central Drug Research Institute, Lucknow in 2017.

Awards and Honours: CSIR Young Scientist Award (2019).

2019



b. 8 Aug 1984

LIPI THUKRAL**Sp:** Computational Molecular Biophysics, Computational Biology

For her innovative contributions in use of computer simulation studies to decipher the functional role of coupled protein-lipid dynamics in autophagy.

Senior Scientist, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 020; Tel: 011 2987 9202; Fax: 011 2766 7471; Mob: 99536 17019; Email: lipi.thukral@igib.res.in

Thukral obtained M.Sc from Banasthali University in 2006 and PhD from University of Heidelberg, Germany in 2011. She joined the Institute of Genomics and Integrative Biology, Delhi in 2016.

Awards and Honours: CSIR Young Scientist Award (2019).

2020



b. 28 Aug 1985

DEBOJYOTI CHAKRABORTY

Sp: Genome engineering and Stem cells

For his valuable contribution for developing highly precise genome editing platform (FnCas9) and its application to correct the sickle cell anemia mutation in Indian patient derived stem cells. He also repurposed FnCas9 in diagnostic applications such as for accurate and rapid diagnosis of COVID-19.

Senior Scientist, Genomics and Molecular Medicine, Decision Unit, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 020; Tel: 011 2987 9202; Fax: 011 2766 7471; Mob: 94337 90132 ; Email: debojyoti.chakraborty@igib.res.in

Chakraborty obtained M.Sc in 2009 from West Bengal University of Technology and PhD in 2014 from TU Dresden, Germany. He joined the Institute of Genomics and Integrative Biology, Delhi in 2016.

Awards and Honours: CSIR Young Scientist Award (2020).

2020



b. 17 Aug 1985

VANDANA JAISWAL

Sp: Quantitative Genetics and Plant Molecular breeding

For her significant contribution towards identification of genomic regions harbouring Genes / QTLs for agronomic traits in wheat and development of molecular markers for wheat improvement program.

Scientist, Division of Biotechnology, Institute of Himalayan Bioresource Technology, Palampur 176 061; Tel: 01894 233 339; Fax: 01894 230 433; Mob: 94531 45936; Email: vandana@ihbt.res.in

Jaiswal obtained M.Sc in 2008 from VBS Purvanchal University, M.Phil in 2011 and PhD in 2014 from CCS University, Meerut. She joined the Institute of Himalayan Bioresource Technology, Palampur in 2019.

Awards and Honours: CSIR Young Scientist Award (2020).

2021



b. 18 Jun 1990

DIVYA TEJ SOWPATI*Sp:* Genomics, Genetics

For his outstanding contributions to understand the mechanisms of regulation of gene expression using genomic technologies.

Scientist, Centre for Cellular and Molecular Biology, Hyderabad 500 007; Tel: 91 40 2719 2862; Mob: 9849779151; Email: tej@ccmb.res.in

Sowpati obtained M.Sc in 2002 from Sri Vankateshwara University, Tirupati and PhD in 2012 from University of Hyderabad. He joined the Centre for Cellular and Molecular Biology, Hyderabad in 2019.

Awards and Honours: Telangana Academy Young Scientist Award (2015); CSIR Young Scientist Award (2021).

2021



b. 1 Jul 1987

RAKESH SHAMSUNDER JOSHI*Sp:* Biotechnology, Protein Biochemistry

For his significant contributions in the understanding of neglected insect metabolisms and targeting them to provide a sustainable alternative to existing pest management.

Scientist, Biochemical Sciences Division, National Chemical Laboratory, Pune 411 008; Tel: 020 2590 2247; Mob: 96043 30691; Email: rs.joshi@ncl.res.in, rakeshjoshi687@gmail.com

Joshi obtained M.Sc in 2009 from University of Pune and PhD in 2015 from Savitribai Phule Pune University. Between 2014 to 2019, he served at Institute of Bioinformatics and Biotechnology, Savitribai Phule Pune University as Assistant Professor. Later in 2019, he joined National Chemical Laboratory, Pune.

Awards and Honours: CSIR Young Scientist Award (2021).

2022



b. 21 July 1987

ANDUGULAPATI SAI BALAGI

Sp: Molecular Pharmacology, Cancer Biology

For his significant basic and translational research in the area of molecular pharmacology and cancer biology.

Scientist, Indian Institute of Chemical Technology, Hyderabad 500 007, Tel: 040 2719 1531; Fax: 040 2716 0757; Mob: 96207 48005; Email: balaji@iict.res.in

Balagi obtained MPharm in 2011 and PhD in 2016 from Manipal University, Manipal. He joined the Indian Institute of Chemical Technology, Hyderabad in 2016.

Awards and Honours: CSIR Young Scientist Award (2022).

2022



b. 26 Feb 1990

HARSHA BAJAJ

Sp: Membrane Biophysics, Chemical Biology

For her outstanding contributions in developing novel vesicle membrane models having applications in the field of membrane biology and nanotechnology.

Scientist, National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram 695 019; Tel: 0471 2490 324; Fax: 0471 249 1712; Mob: 83019 47762; Email: harshabajaj@niist.res.in

Bajaj obtained M.Sc in 2013 and PhD in 2015 from Jacobs University Bremen, Germany. She joined National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram in 2021.

Awards and Honours: CSIR Young Scientist Award (2022).



CHEMICAL SCIENCES

1987



b. 25 Nov 1951

NARAYANAN CHANDRAKUMAR**FNA, FASc, SSB****Sp:** Magnetic Resonance Spectroscopy and Imaging, Physical Chemistry, Instrumentation**For his outstanding contributions to NMR Spectroscopy.**

Professor Emeritus, MRI-MRS Centre and Department of Chemistry, Indian Institute of Technology, Chennai 600 036; Tel: 044 2257 4920; Fax: 044 2257 4202; Mob: 89391 88543; Email: nckumar@iitm.ac.in / chandrakumar.iitm@gmail.com

Chandrakumar did M.Sc in 1972 from Indian Institute of Technology Madras and PhD in 1979 from Indian Institute of Technology Kanpur. He joined Central Leather Research Institute, Chennai in 1982 and later moved to Indian Institute of Technology Madras, Chennai in 2001.

Awards and Honours: Bruker Young Scientist Award (1985); CSIR Young Scientist Award (1987); SS Bhatnagar Prize (1996); ISCA Millennium Medal (2000); CRSI Silver Medal (2008).

1987



b. 28 Aug 1952

MUKUND KESHAO GURJAR**FASc, FNASc****Sp:** Carbohydrate Chemistry and Synthetic Organic Chemistry**For his outstanding contributions to synthetic chemistry using carbohydrates as synthons.**

Director, R&D, Emcure Pharmaceuticals Limited, P2, ITBT Park Phase-II, Hinjwadi, Pune 411 057; Tel: 020 3982 1350; Fax: 020 3982 1445; Mob: 98603 00001; Email: mukund.gurjar@emcure.co.in

Gurjar obtained M.Sc in 1974 and PhD in 1977 from Nagpur University, Nagpur. He also obtained the second PhD in 1980 from Kings College, London United Kingdom. He joined National Chemical Laboratory, Pune in 1983 as Scientist and later moved to Indian Institute of Chemical Technology, Hyderabad in 1986. He then joined National Chemical Laboratory, Pune in 1998. Later in 2001, he moved to Emcure Pharmaceuticals Limited.

Awards and Honours: CSIR Young Scientist Award (1987).

1987



b. 26 Sep 1951

TAYUR NARASINGAROW GURU ROW**FNA, FASc****Sp:** X-Ray Crystallography, Structural Chemistry**For his outstanding contributions to X-ray chemical crystallography.**

Honorary Professor, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru 560 012; Tel: 080 2293 2796; Fax: 080 2360 1310; Mob: 98805 09225; Email: gururow@gmail.com, gururow@iisc.ac.in

Guru Row obtained M.Sc in 1971 from Bangalore University, Bengaluru. He received PhD in 1976 from Indian Institute of Science, Bengaluru. He Joined National Chemical Laboratory, Pune in 1982 and later moved to Indian Institute of Science, Bengaluru in 1989.

Awards and Honours: CSIR Young Scientist Award (1987).

1988



b. 5 Jul 1954

GANESH PRASAD PANDEY**FNA, FASc, FNASc, SSB****Sp:** Organic Chemistry, Electron Transfer Photochemistry**For developing photo-induced electron transfer reactions of synthetic importance.**

Distinguished Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221 005; Tel: 542 230 7321; Fax: 542 236 8127; Mob: 99701 71802; Email: gp8577@gmail.com

Pandey obtained M.Sc in 1975 from Bhim Rao Ambedkar University, Agra and PhD in 1980 from Banaras Hindu University, Varanasi. He joined Indian Institute of Chemical Technology, Hyderabad in 1984 and later moved to National Chemical Laboratory, Pune in 1991. After his stint at the Centre of Biomedical Research as Director till January 2019, he moved to Banaras Hindu University, Varanasi.

Awards and Honours: CSIR Young Scientist Award (1988); B M Birla Science Prize (1991); SS Bhatnagar Prize (1999); Vigyan Ratna Samman by Government of Uttar Pradesh (2002).

1989



b. 9 Jun 1956

KOMANDUR V R CHARY

Sp: Heterogeneous Catalysis, Surface Science

For his significant contributions to the studies on dispersion and reactivity of supported metal / metal oxide catalysts and in general to the area of catalysis.

Retired Chief Scientist, Indian Institute of Chemical Technology, Hyderabad 500 007; Mob: 99856 18574, Email: kvrchary@iict.res.in, charykvr@gmail.com

Chary obtained M.Sc in 1986 and PhD in 1989 from Osmania University, Hyderabad. He joined Indian Institute of Chemical Technology, Hyderabad in 1987 and retired in 2016.

Awards and Honours: CSIR Young Scientist Award (1989); AP Academy Young Scientist Award (1989).

1989



b. 12 May 1955

SOURAV PAL

FNA, FASc, FNASc, SSB

Sp: Theoretical Chemistry, Electronic Structure Theory, Ab Initio Quantum Chemistry

For his significant contributions towards the treatment of electron correlation for atoms and molecules. He has successfully used coupled-cluster method for the calculation of static electronic properties.

Department of Chemistry, Ashoka University, Sonapat, Haryana 131 029; Mob: 98903 35662; Email: sourav.pal@ashoka.edu.in

Sourav did M.Sc in 1977 from Indian Institute of Technology Kanpur. He obtained PhD in 1985 from Indian Association for the Cultivation of Science, Kolkata. He joined National Chemical Laboratory, Pune in 1982 as Scientist and took over as Director in 2010. Later he joined Indian Institute of Technology Bombay, Mumbai as Professor in 2015. He also served as Director, Indian Institute of Science Education Research, Kolkata from 2017 to 2022. He joined Ashoka University in Oct 2022.

Awards and Honours: INSA Young Scientist Award (1987); CSIR Young Scientist Award (1989); IACS PB Gupta Memorial Award (1993); SS Bhatnagar Prize (2000).

1990



b. 1 Mar 1957

BENJARAM MAHIPAL REDDY**FNASc, FNAE,****Sp:** Catalysis, Green Chemistry, Nano-materials

For his significant work in the area of catalysis. He has developed efficient catalysts for ammoxidation and hydroprocessing, and has characterized catalysts by chemisorption, spin resonance and X-ray methods. He has also developed carbon supported platinum catalysts with various platinum loadings for applications in fuel cells. His work is noted for its thoroughness, novelty and its applications in industry.

Senior Professor Emeritus, Department of Chemistry, Birla Institute of Technology and Science, Hyderabad 500 078; Tel: 040 6630 3794; Mob: 98660 04262; Email: bmreddy@hyderabad.bits-pilani.ac.in, bmreddy.iict@gmail.com

Reddy obtained M.Sc in 1981 from Kakatiya University, Warangal and PhD in 1986 from Osmania University, Hyderabad. He joined Indian Institute of Chemical Technology, Hyderabad in 1984 and retired as Chief Scientist in 2017. He joined Birla Institute of Technology and Science, Hyderabad in 2022.

Awards and Honours: CSIR Young Scientist Award (1990); CSI Young Scientist Award (1993).

1991



b. 5 Apr 1956

AHMED KAMAL**FNASc****Sp:** Medicinal chemistry, Organic chemistry, Bioorganic chemistry

For his contributions to the use of biological reagents to bring about several chemical transformations.

Senior Professor Emeritus, Department of Chemistry, Birla Institute of Technology and Science, Hyderabad 500 078; Tel: 040 6630 3787; Mob: 94408 02784; Email: ahmedkamal915@gmail.com, ahmedkamal@hyderabad.bits-pilani.ac.in

Kamal obtained M.Sc in 1977, MPhil in 1979 and PhD in 1982 from Aligarh Muslim University, Aligarh. He joined Indian Institute of Chemical Technology Hyderabad in 1983 and retired as outstanding Scientist in 2016. He joined Birla Institute of Technology and Science, Hyderabad in 2021.

Awards and Honours: YMSA Young Scientist Award (1988); CSIR Young Scientist Award (1991); Ranbaxy Research Award (2005); Andhra Pradesh Scientist Award (2007); OPPI Scientist Award (2009).

1991



b. 10 Apr 1957

TUSHAR KANTI CHAKRABORTY

FNA, FASc, FNASc, SSB

Sp: Peptides and Peptidomimetics,
Organic Synthesis

For delineating novel pathways for the synthesis of several biologically important compounds.

Department of Organic Chemistry, Indian Institute of Science, Bengaluru 560 012; Tel: 080 2293 2215; Fax: 080 2360 0529; Mob: 94814 14464; Email: tusharkantichakraborty@gmail.com, tushar@iisc.ac.in,

Chakraborty did M.Sc in 1979 and PhD in 1984 from Indian Institute of Technology, Kanpur. He joined Indian Institute of Chemical Technology as Scientist in 1987. In 2008, he joined Central Drug Research Institute, Lucknow as Director. He later joined Indian Institute of Science, Bengaluru in 2014.

Awards and Honours: AP Akademi of Sciences Young Scientist Award (1991); CSIR Young Scientist Award (1991); SS Bhatnagar Prize (2002); Andhra Pradesh Scientist Award (2005); NASI Reliance Platinum Jubilee Award (2006).

1992



b. 5 Feb 1958

GANGAVARAM V MADHAVA SHARMA

FNASc

Sp: : Synthesis of Natural Products, Peptides and New Drug Discovery

For his important contributions to organic syntheses, especially in the use of carbohydrates as chiron.

Retired Chief Scientist, Indian Institute of Chemical Technology, Hyderabad 500 007; Mob: 94408 02785; Email:sharmagvm@gmail.com

Sharma obtained M.Sc in 1979 from Osmania University, Hyderabad and PhD in 1984 from University of Pune while working at National Chemical Laboratory, Pune. He joined Indian Institute of Chemical Technology, Hyderabad in 1987 and retired in 2018.

Awards and Honours: CSIR Young Scientist Award (1992); NASI Reliance Industries Platinum Jubilee Award (2007); Ranbaxy Research Award (2008); Andhra Pradesh Scientist Award (2009); OPPI Scientist Award (2010).

1993



b. 15 Jul 1960

SUBHASH PRATAPRAO CHAVAN

Sp: Synthetic Organic Chemistry, Synthesis of Industrial/Pharmaceutical Chemicals

For developing methodologies for chiral hydantoin formation, cyclization, transthoacetalisation and deconjugation of esters towards chemical synthesis of D(+) biotin or vitamin-H and heritol and heritonin and similar compounds.

Retired Chief Scientist, National Chemical Laboratory, Pune 411 008; Mob: 90964 52276; E-mail: sp.chavan@ncl.res.in

Chavan obtained M.Sc in 1981 and PhD in 1985 from University of Pune. He joined National Chemical Laboratory in 1991 and retired in 2020.

Awards and Honours: CSIR Young Scientist Award (1993); OPPI Scientist Award (2003).

1993



b. 1 Oct 1958 - 2019

RUKHSANA ILYAS KURESHY

FNASc

Sp: : Inorganic Chemistry, Chiral Catalysis

For developing and characterizing certain ruthenium (III) Schiff base complexes for the selective oxidation of hydrocarbons such as terpenes and styrene.

Kureshy obtained M.Sc in 1980 and PhD in 1984 from Aligarh Muslim University, Aligarh. She has joined Central Salt and Marine Chemicals Research Institute, Bhavnagar in 1990 and retired as Chief Scientist in 2018.

Awards and Honours: CSIR Young Scientist Award (1993); ISCB Distinguished Women Scientist Award (2010); CRSI Bronze Medal (2014).

1994



b. 6 Jun 1959

SUJIT ROY

FASc

Sp: Organometallic and Catalysis for Fine Chemicals and Intermediates

For his contributions on the application of metal-organic chemistry based on cobalt and tin complexes, in synthesis.

School of Basic Sciences, Indian Institute of Technology, Bhubaneswar 752 050; Tel: 0674 713 5158; Mob: 94393 65740; Email: sroy@iitbbs.ac.in, sujitroy.chem@gmail.com

Roy obtained M.Sc in 1980 from University of North Bengal, Darjeeling and PhD in 1987 from Indian Institute of Technology, Kanpur. He worked as Scientist in DRDO, Kanpur from 1990 to 1991. He joined Indian Institute of Chemical Technology, Hyderabad in 1991 and then moved to Indian Institute of Technology, Kharagpur in 1999. He later joined Indian Institute of Technology, Bhubaneswar in 2009.

Awards and Honours: CSIR Young Scientist Award (1994); Chemical Research Society of India Bronze Medal (2004).

1995



b. 23 Jul 1960

MANOBJYOTI BORDOLOI

Sp: Natural Products Chemistry

For his significant contributions to the development of selective and novel electron transfer processes of potential importance in synthetic organic chemistry.

Department of Chemistry, Assam University, Silchar 788 011; Mob: 94354 78535; Email: mjb_rrljt@yahoo.co.in

Bordoloi did M.Sc in 1983 and PhD in 1988 from Guwahati University, Guwahati. He joined North East Institute of Science and Technology, Jorhat in 1990 and retired as Chief Scientist in 2022. Later he joined Assam University, Silchar.

Awards and Honours: CSIR Young Scientist Award (1995); CSIR National Technology Award (2013).

1996



b. 15 Apr 1961

RAJADAS JAYAKUMAR**Sp:** Peptide Biophysical Chemistry

For his significant contributions to the synthesis of novel peptides and the study of their macromolecular organization through diverse physical and biophysical methods.

Director, Advanced Drug Delivery and Regenerative Biomaterial Laboratory, Stanford School of Medicine, 1050 Arastradero Road, Building A, Room A148, Palo Alto, California 94304; Tel: +1 650 724 6806; Fax: +1 650 721 4651; Email: jayraja@stanford.edu

Jayakumar obtained M.Sc in 1983 from University of Madras, Chennai and PhD in 1990 from Indian Institute of Technology Madras, Chennai. He joined Central Leather Research Institute, Chennai in 1986. Later he moved to Stanford BioADD Laboratory, USA in 2007.

Awards and Honours: CSIR Young Scientist Award (1996).

1997



b. 9 Mar 1964

SRIVARI CHANDRASEKHAR**FNA, FASc, FNASc****Sp:** Organic Chemistry, Natural Products Synthesis, Green Chemistry, Combinatorial Chemistry

For his significant contributions in the area of synthesis methodologies for Carbon-Carbon bond formation, oxidations and reductions and designing of protective groups. He has tried to apply some of these for the synthesis of designed molecules.

Secretary, Department of Science and Technology, Govt. of India, New Delhi 110 016; Tel: 011 2651 0068, 2651 1439; Mob: 98480 35908; Email: dstsec@nic.in, srivari@gmail.com

Chandrasekhar obtained M.Sc in 1985 and PhD in 1991 from Osmania University, Hyderabad. He joined Indian Institute of Chemical Technology, Hyderabad in 1994. He led the Indian Institute of Chemical Technology, Hyderabad as Director from 2015 to 2021. Later in Dec 2021, he was appointed as Secretary, Department of Science and Technology, Govt. of India, New Delhi.

Awards and Honours: INSA Young Scientist Award (1996); CSIR Young Scientist Award (1997); B M Birla Science Prize (2001); AVRA Foundation Young Scientist Award (2004); Rajib Goyal Young Scientist Award (2005); Andhra Pradesh Scientist Award (2008); NASI Reliance Industries Platinum Jubilee Award (2008); Ranbaxy Research Award (2010); Infosys Prize (2014).

1998



SRINIVASAN KANNAN

Sp: Heterogeneous Catalysis, Material Science, Biomass Valorisation, Environmental Chemistry

For his important contributions to the understanding of heterogeneous catalysis with potential applications to environmental chemistry.

b. 7 May 1968

Director, Central Salt and Marine Chemicals Research Institute, Bhavnagar 364 002; Tel: 0278 256 9496; Fax: 0278 256 7562; Mob: 94269 57357; Email: skannan@csmcri.res.in

Kannan obtained M.Sc in 1990 and PhD in 1995 from Indian Institute of Technology Madras, Chennai. He joined Central Salt and Marine Chemicals Research Institute, Bhavnagar in 1997. He was appointed as Director of Central Salt and Marine Chemicals Research Institute, Bhavnagar in 2020.

Awards and Honours: : INSA Young Scientist Award (1998); CSIR Young Scientist Award (1998).

1998



SENGODAGOUNDER MUTHUSAMY

Sp: Chemistry of Rhodium Carbenoids, Metathesis, Macrocycles and Green Chemistry

For his significant contributions to synthesis of some biologically active porphyrin conjugates. He has also developed methods for the synthesis of stable dioxiranes.

b. 23 Sep 1963

Department of Chemistry, Bharathidasan University, Tiruchirappalli 620 024; Tel: 0431 240 7071; Mob: 94424 91933; Email: muthu@bdu.ac.in, smuthus@yahoo.com

Muthusamy obtained M.Sc in 1986 from Bharathiar University, Coimbatore and PhD in 1991 from University of Madras, Chennai. He joined Central Salt and Marine Chemicals Research Institute, Bhavnagar as Scientist in 1997 and then moved to Bharathidasan University, Tiruchirappalli as Professor in 2006.

Awards and Honours: CSIR Young Scientist Award (1998).

1999, 2000, 2001, 2002: No Award

2003



b. 10 May 1968

CHEPURI VENKATA RAMANA

FASc

Sp: Organic Synthesis Transition Metal Catalysis, Carbohydrate Chemistry

For his contributions in application of novel methods in the synthesis of natural products such as microcarpalide. His synthesis of tetra (cyclopropyl) methane has demonstrated his creative abilities in organic synthesis.

Senior Principal Scientist, Division of Organic Chemistry, National Chemical Laboratory, Pune 411 008; Tel: 020 2590 2577; Fax: 020 2590 2629; Mob: 94235 82183; Email: vr.chepuri@ncl.res.in

Ramana did M.Sc in 1991 from Andhra University and PhD in 1998 from University of Hyderabad. He joined National Chemical Laboratory, Pune in 2001.

Awards and Honours: CSIR Young Scientist Award (2003); CRSI Bronze Medal (2013).

2004



b. 17 Feb 1970

PRADYUT GHOSH

FNA, FASc, SSB

Sp: Inorganic and Supra Molecular Chemistry

For his significant contributions to supramolecular chemistry and chemical sensors.

School of Chemical Sciences, Indian Association for the Cultivation of Science, Kolkata 700 032; Tel: 033 2473 4971; Fax: 033 2473 2805; Mob: 94331 38075; E-mail: icpg@iacs.res.in, icpg.iacs@gmail.com

Ghosh obtained M.Sc in 1992 from Calcutta University, Kolkata and PhD in 1998 from Indian Institute of Technology Kanpur. He joined Central Salt and Marine Chemicals Research Institute, Bhavnagar in 2001 and then moved to Indian Association for the Cultivation of Science, Kolkata in 2007.

Awards and Honours: ISCA Young Scientist Award (1998); CSIR Young Scientist Award (2004); B M Birla Science Prize (2009); CRSI Bronze Medal (2012); SS Bhatnagar Prize (2015).

2005



b. 21 Dec 1969

ANUP KUMAR MISRA

Sp: Organic Synthesis Transition Metal Catalysis, Carbohydrate Chemistry

For his important contributions in the area of synthetic carbohydrate chemistry particularly towards synthesis of polysaccharides.

Division of Molecular Medicine, Bose Institute, Kolkata 700054; Tel: 033 2569 3240; Fax: 033 2355 3886; Mob: 94330 43869; Email: akmisra69@gmail.com, anup@jcbose.ac.in

Misra obtained M.Sc in 1991 from University of Calcutta and PhD in 1997 from Jadavpur University, Kolkata. He joined Central Drug Research Institute, Lucknow in 2001 and then moved to Bose Institute, Kolkata in 2008.

Awards and Honours: CSIR Young Scientist Award (2005).

2006



b. 24 Apr 1971

RAJKUMAR BANERJEE

Sp: Chemical Biology, Medicinal Chemistry, Nanotechnology

For his significant contributions to targeted cancer theory using molecular level approach.

Senior Principal Scientist, Indian Institute of Chemical Technology, Hyderabad 500 007; Tel: 040 2719 1234; Fax: 040 2716 0387; Mob: 93900 56096; Email: banerjee@iict.res.in, rkbanerjee@yahoo.com

Banerjee obtained M.Sc in 1994 from Jadavpur University, Kolkata and PhD in 2000 from Osmania University, Hyderabad. He joined Indian Institute of Chemical Technology, Hyderabad in 2004.

Awards and Honours: CSIR Young Scientist Award (2006); CDRI Award for Excellence in Drug Research (2012).

2006



b. 15 Mar 1971

SRINIVAS HOTHAS**Sp:** Glycochemical Biology

For his contributions to development of novel diversity oriented pathways for synthesis of chiral, oxygen-rich chemical libraries for applications as chemical genetic probes.

Department of Chemistry, Indian Institutes of Science Education and Research, Pune 411 008; Tel: 020 2590 8015; Fax: 020 2589 9790; Mob: 98236 77254; Email: s.hotha@iiserpune.ac.in

Hotha obtained M.Sc in 1993 from University of Hyderabad, M.Tech in 1995 from Indian Institute of Technology Banaras Hindu University, Varanasi and PhD in 2001 from Osmania University, Hyderabad. He joined National Chemical Laboratory, Pune in 2003. He moved to Indian Institute of Science Education and Research, Pune in 2010.

Awards and Honours: INSA Young Scientist Award (2006); CSIR Young Scientist Award (2006); AVRA Foundation Young Scientist Award (2010); CDRI Award for Excellence in Drug Research (2014); CRSI Bronze Medal (2014).

2007



b. 25 May 1972

MANICKAM JAYAKANNAN**Sp:** Polymers and Biomaterials

For carrying out innovative application of novel methodologies for development of conjugated polymer nanostructure.

Department of Chemistry, Indian Institute of Science Education and Research, Pune; Tel: 020 2590 8087; Fax: 020 2590 8186; Email: jayakannan@iiserpune.ac.in

Jayakannan obtained M.Sc in 1995 from Madurai Kamaraj University and PhD in 2000 from Indian Institute of Science, Bengaluru. He joined National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram in 2003. He moved to Indian Institute of Science Education and Research, Pune in 2007.

Awards and Honours: NASI Young Scientist Award (2006); CSIR Young Scientist Award (2007); CRSI Bronze Medal (2014).

2007



b. 30 Sep 1971

SOUVIK MAITI

FNA, FASc, SSB

Sp: Chemical Biology, Biophysics

For developing novel methodology to stabilize DNA in organic solvents.

Director, Institute of Genomics and Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110 025; Tel: 011 2987 9108; Fax: 011 2766 7471; Mob: 98111 30093; Email: souvik@igib.res.in, souvik2maiti@gmail.com

Maiti obtained M.Sc in 1995 from Jadavpur University, Kolkata and PhD in 2000 from Osmania University while working at Indian Institute of Chemical Technology, Hyderabad. He joined the Institute of Genomics and Integrative Biology, Delhi in 2004. He has been appointed as Director of Institute of Genomics and Integrative Biology, Delhi in 2022.

Awards and Honours: CSIR Young Scientist Award (2007); CDRI Award for excellence in drug research (2008); NASI Scopus Young Scientist Award (2010); SS Bhatnagar Prize (2014).

2008



b. 23 Oct 1972

SUBHASH GHOSH

Sp: Synthesis of Natural Products

For his contributions in the total synthesis of biologically active natural products.

Senior Principal Scientist, Indian Institute of Chemical Technology, Hyderabad 500 007; Tel: 040 2719 1604; Fax: 040 2719 3108; Mob: 94910 73470; Email: subhash@iict.res.in, subhashbolorg3@gmail.com

Ghosh obtained M.Sc in 1996 from Calcutta University and PhD in 2001 from Osmania University, Hyderabad. He joined Indian Institute of Chemical Technology, Hyderabad in 2005.

Awards and Honours: INSA Young Scientist Award (2007); CSIR Young Scientist Award (2008).

2008



b. 15 Aug 1975

MELEPURATH DEEPA**Sp:** Applied Electrochemistry

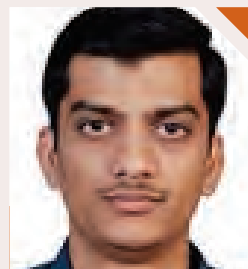
For her significant contribution in developing electrochromic films and devices.

Department of Chemistry, Indian Institute of Technology Hyderabad 502 285; Tel: 040 2301 6024; Fax: 040 2301 6032; Mob: 97032 17972; Email: mdeepa@iith.ac.in, mdeepa75@gmail.com

Deepa obtained M.Sc in 1997 and PhD in 2004 from Delhi University. She joined National Physical Laboratory in 2004 and later moved to Indian Institute of Technology, Hyderabad.

Awards and Honours: CSIR Young Scientist Award (2008); NASI Young Scientist Platinum Jubilee Award (2010); Dr B M Birla Science Prize (2013).

2009



b. 5 Oct 1974

SRIHARI PABBARAJA

Sp: Total synthesis of bioactive complex natural products, Synthesis of new chemical entities, Development of concise approaches for natural products.

For his contributions towards the total synthesis of biologically active lactone containing natural products and development of new organic procedures.

Chief Scientist, Indian Institute of Chemical Technology, Hyderabad 500 007; Tel: 040 2719 1815; Fax: 040 2716 0512; Email: srihari@iict.res.in

Pabbaraja obtained M.Sc in 1997 from Osmania University, Hyderabad and MPhil in 1998 from University of Hyderabad. He completed PhD in 2003 from Osmania University, Hyderabad while working at Indian Institute of Chemical Technology, Hyderabad.

Awards and Honours: CSIR Young Scientist Award (2009); OPPI Young Scientist Award (2009); AVRA Young Scientist Award (2014).

2010



b. 16 Jul 1976

KAMALESH PRASAD

Sp: Polysaccharide Chemistry, Natural Product Chemistry, Carbohydrate. Gels, Rheology, Green Chemistry

For his significant contributions in the field of Polysaccharides leading to new functional materials that have great societal applications, besides being of fundamental interest.

Senior Principal Scientist, Natural Products and Green Chemistry Division, Central Salt and Marine Chemicals Research Institute, Bhavnagar 364 002; Tel: 0278 2567760; Fax: 0278 2567562 Mob: 94294 13062; Email: kamlesh@csmcri.res.in

Prasad obtained M.Sc in 1999 from Dibrugarh University, Assam and PhD in 2005 from Bhavnagar University while working at Central Salt and Marine Chemicals Research Institute, Bhavnagar. He joined Central Salt and Marine Chemicals Research Institute, Bhavnagar in 2000.

Awards and Honours: CSIR Young Scientist Award (2010); CSIR Award for S&T Innovations for Rural Development (2013).

2011



b. 14 Apr 1980

BIKASH KUMAR JENA

Sp: Physical Chemistry, Material Chemistry

For his outstanding contributions in the area of materials chemistry particularly in developing methods for synthesizing shape control structures useful for sensing, electrocatalysis and surface enhanced Raman scattering studies.

Principal Scientist, Hydro and Electrometallurgy Department, Institute of Minerals and Materials Technology, Bhubaneswar 751 013; Tel: 0674 258 4091; Fax: 0674 258 1637; Mob: 94384 16008; Email: bikash@immt.res.in

Jena obtained M.Sc in 2002 from M. P. C. College, Orissa and PhD in 2007 from Indian Institute of Technology, Kharagpur. He joined the Institute of Minerals and Materials Technology, Bhubaneswar in 2007.

Awards and Honours: ISCA Young Scientist Award (2009); CSIR Young Scientist Award (2011); Odisha Bigyan Academy Young Scientist Award (2013), NASI Young Scientist Platinum Jubilee Award (2014).

2011



b. 26 Jun 1976

DATTATRAYA HANUMANT DETHE**Sp:** Organic Chemistry, Total Synthesis

For his outstanding contributions in total synthesis of biologically active alkaloids, using novel methodology, which is expected to open new avenues to synthesis of various types of important molecular architectures.

Department of Chemistry, Indian Institute of Technology Kanpur 208 016; Tel: 0512 259 6537; Mob: 94220 69693; Email: ddethe@iitk.ac.in, dattachem@yahoo.co.in

Dethe obtained M.Sc in 1999 from University of Pune and PhD in 2005 from Indian Institute of Science, Bengaluru. He joined National Chemical Laboratory, Pune in 2009. Later, he moved to Indian Institute of Technology Kanpur in 2011.

Awards and Honours: CSIR Young Scientist Award (2011); OPPI Young Scientist Award (2011); AVRA Young Scientist Award (2015).

2011



b. 15 Dec 1977

RAHUL BANERJEE**FASc, SSB****Sp:** Hydrogen Storage and Carbon Dioxide Sequestration in Metal Organic Frameworks

For his outstanding contributions in the design of new materials for hydrogen storage and carbon sequestration based on metal-organic frameworks.

Department of Chemical Sciences, Indian Institute of Science Education and Research, Kolkata 741 246; Tel: 033 6634 0012; Fax: 033 2502 8002; Mob: 94031 90423; Email: r.banerjee@iiserkol.ac.in

Banerjee obtained M.Sc in 2000 from University of Calcutta and PhD in 2006 from University of Hyderabad. He joined National Chemical Laboratory, Pune in 2008. Later, he moved to Indian Institute of Science Education and Research, Kolkata in 2017.

Awards and Honours: CSIR Young Scientist Award (2011); NASI Young Scientist Platinum Jubilee Award (2011); NASI Scopus Young Scientist Award (2014); SS Bhatnagar Prize (2018).

2012



b. 5 Jun 1978

DIPTI PRAKASINI DAS

Sp: Catalysis, Photocatalysis, Materials Chemistry

For her excellent contributions in the design of novel photocatalysts and their applications in the area of solar energy conversion.

Principal Scientist, Central Characterisation Department, Institute of Minerals and Materials Technology, Bhubaneswar 751 013; Tel: 0674 237 9216; Fax: 0674 237 9137; Mob: 94372 70934; Email: diptidas@immt.res.in, das_dipti77@yahoo.com

Das obtained M.Sc in 2000 from Utkal University, Orissa and PhD in 2006 from Vidyasagar University, West Bengal. She joined the Institute of Minerals and Materials Technology Bhubaneswar in 2009.

Awards and Honours: CSIR Young Scientist Award (2012), Odisha Bigyan Academy Young Scientist Award (2012).

2012



b. 30 May 1977

N LAKSHMINARASIMHAN

Sp: Solid State Chemistry and Materials Science, Photofunctional Materials

For his excellent contributions in understanding structure-property relations of inorganic oxides and their use in energy systems.

Senior Principal Scientist, Functional Materials Division, Central Electrochemical Research Institute, Karaikudi 630 003; Tel: 04565 241 292; Fax: 04565 227 779; Mob: 94876 21820; Email: laksnarasimhan@cecri.res.in, nlnsimha@gmail.com

Lakshminarasimhan obtained M.Sc in 1999 from University of Madras and PhD in 2005 from Indian Institute of Technology Madras, Chennai. He joined Central Electrochemical Research Institute, Karaikudi in 2009.

Awards and Honours: CSIR Young Scientist Award (2012).

2013



b. 6 Dec 1978

SANTOSHKUMAR D BHAT**Sp:** Polymer Sciences

For his innovative contribution to the design and development of polymer electrolyte membranes in fuel cell applications.

Senior Principal Scientist, Central Electrochemical Research Institute Madras Unit, Chennai 600 113; Tel: 044 2254 4552; Fax: 044 2254 2456; Mob: 99520 35390; Email: sdbhat@cecri.res.in, sdbhatcecri@gmail.com

Bhat obtained M.Sc in 2001 and PhD in 2007 from Karnatak University, Karnataka. He joined Central Electrochemical Research Institute, Karaikudi in 2009.

Awards and Honours: CSIR Young Scientist Award (2013).

2013



b. 1 Apr 1979

YATENDRA SINGH CHAUDHARY**Sp:** Nanomaterials, Solar Fuel Generation, Biomaterials

For developing novel functional nanostructured materials for solar-fuel generation and bio-implant scaffolds.

Senior Principal Scientist, Materials Chemistry Department, Institute of Minerals and Materials Technology, Bhubaneswar 751 013; Tel: 0674 237 9248 Fax: 0674 258 1637; Mob: 72057 55894; Email: yschaudhary@immt.res.in, yschaudhary@gmail.com

Chaudhary obtained M.Sc in 2000 from Dr Bhimrao Ambedkar University and PhD in 2004 from Dayalbagh Educational Institute, Agra. He joined the Institute of Minerals and Materials Technology, Bhubaneswar in 2008.

Awards and Honours: CSIR Young Scientist Award (2013).

2014



b. 26 Nov 1979

PARVINDER PAL SINGH

Sp: Organic Synthesis, Medicinal Chemistry

For his significant contribution in developing iron-based C-H functionalization / activation methods and their application towards the synthesis of bioactive molecules.

Principal Scientist, Medicinal Chemistry Division, Indian Institute of Integrative Medicine, Jammu 180 001; Tel: 0191 258 5006; Fax: 0191 258 6333; Mob: 94191 57270; Email: ppsingh@iiim.res.in

Singh obtained M.Sc in 2002 from Ch. Charan Singh University, Meerut, M.Phil in 2004 from University of Jammu, and PhD in 2012 while working at Indian Institute of Integrative Medicine-Jammu from Guru Nanak Dev University, Amritsar. He joined Indian Institute of Integrative Medicine, Jammu in 2008.

Awards and Honours: CSIR Young Scientist Award (2014).

2014



b. 1 Apr 1979

V GANESH

Sp: Electroanalytical Chemistry, Bio-electrochemistry, Materials Chemistry and Electrocatalysis

For his significant contribution in the modulation of electron transport across electrode-electrolyte interfaces of metal and semiconductor electrodes, in electrocatalysis and in the area of biosensors.

Senior Principal Scientist, Electronics and Electrocatalysis Division, Central Electrochemical Research Institute, Karaikudi 630 003; Tel: 04565 241 242; Fax: 04565 227 779; Mob: 94433 20794; Email: vganesh@cecri.res.in / ganelectro@gmail.com

Ganesh obtained M.Sc in 2001 from Madurai Kamaraj University and PhD in 2006 from Jawaharlal Nehru University, New Delhi. He joined Central Electrochemical Research Institute, Kariakudi in 2009.

Awards and Honours: CSIR Young Scientist Award (2014).

2015



b. 24 Jan 1982

BHAHWAL ALI SHAH

Sp: Natural Product Chemistry, Medicinal Chemistry and Organic Synthesis

For his significant contributions to the isolation of natural products and development of new synthetic methodologies for bio-active molecules.

Principal Scientist, Natural Product Chemistry Division, Indian Institute of Integrative Medicine, Jammu 180 001; Tel: 0191 258 5006-13; Fax: 0191 258 6333; Mob: 94191 11978; Email: bashah@iiim.ac.in, bhahwal@gmail.com

Shah obtained M.Sc in 2004 from Ch. Charan Singh University, Meerut and PhD in 2009 from Guru Nanak Dev University, Amritsar while working at Indian Institute of Integrative Medicine, Jammu. He joined Indian Institute of Integrative Medicine, Jammu in 2008.

Awards and Honours: CSIR Young Scientist Award (2015); NASI Young Scientist Platinum Jubilee Award (2016).

2016



b. 6 Nov 1983

R V LAKSHMI

Sp: Polymer Science, Surface Coating

For her significant contributions in developing multifunctional sol-gel coating technologies with greatly improved durability, self-cleaning ability and corrosion resistance.

Principal Scientist, Surface Engineering Division, National Aerospace Laboratories, Bengaluru 560 017; Tel: 080 2508 6473; Fax: 080 2521 0113; Mob: 95919 57000; Email: lakshmi_rv@nal.res.in

Lakshmi obtained M.Sc in 2006 from Bangalore University, M.Phil in 2008 from Alagappa University and PhD from Indian Institute of Science, Bengaluru. She joined National Aerospace Laboratories, Bengaluru in 2008.

Awards and Honours: CSIR Young Scientist Award (2016).

2016



b. 28 Oct 1980

SANDIP B BHARATE

Sp: Medicinal Chemistry

For his significant contributions towards discovering new kinase inhibitors and also for developing synthetic protocols for important heterocyclic molecules of medicinal importance.

Senior Principal Scientist, Medicinal Chemistry Division, Indian Institute of Integrative Medicine, Jammu 180 001; Tel: 01912 585 006; Fax: 0191 258 6333; Mob: 94192 09140; Email: sbharate@iiim.ac.in

Bharate obtained M.S (Pharmacy) in 2002 and PhD in 2007 from National Institute of Pharmaceutical Education and Research, Mohali. He joined Indian Institute of Integrative Medicine, Jammu in 2012.

Awards and Honours: NASI Young Scientist Platinum Jubilee Award (2015); CSIR Young Scientist Award (2016); OPPI Young Scientist Award (2019).

2017



b. 02 Mar 1983

SAKYA SINGHA SEN

Sp: Organometallic Chemistry

For his innovative and explorative work in developing new inexpensive catalysts for a variety of organic transformations of potential commercial applications.

Principal Scientist, Catalysis Division, National Chemical Laboratory, Pune 411 008; Tel: 020 2590 2052; Fax: 020 2590 2601; Mob: 77740 99756; Email: ss.sen@ncl.res.in

Sen obtained M.Sc in 2006 from Indian Institute of Technology, Kharagpur and PhD in 2010 from University of Göttingen, Germany. He joined National Chemical Laboratory, Pune in 2014.

Awards and Honours: CSIR Young Scientist Award (2017); INSA Young Scientist Award (2018).

2018



b. 12 Jul 1983

NAVEEN KUMAR CHANDRASEKARAN**Sp:** Materials Electrochemistry

For his contributions in developing electro-catalysts for conversion of CO₂ to valuable products and super hydrophobic, smart coatings for detection and prevention of corrosion.

Principal Scientist, Electroplating Metal Finishing and Technology Division, Central Electrochemical Research Institute, Karaikudi 630 006, Tel: 04565 227777; Fax: 04565 227713; Mob: 9442608829; Email: naveen@cecric.res.in

Chandrasekaran obtained his B.Tech in 2004 from Madurai Kamaraj University and PhD in 2011 from Missouri University of Science and Technology, USA. He joined Central Electrochemical Research Institute, Karaikudi in 2013.

Awards and Honours: CSIR Young Scientist Award (2018).

2019



b. 20 Mar 1986

JOHN MONDAL**Sp:** Chemistry and Materials Science, Porous Materials

For his outstanding contribution in developing novel Porous Organic Polymers and their application in heterogeneous catalysis.

Senior Scientist, Catalysis and Fine Chemicals Division, Indian Institute of Chemical Technology, Hyderabad 500 007, Tel: 040 2719 1531; Fax: 040 2716 0757; Mob: 80089 82593; Email: johnmondal@iiict.res.in, johncuchem@gmail.com

Mondal obtained M.Sc in 2008 from University of Calcutta in 2008 and PhD from Indian Association for the Cultivation of Science, Kolkata in 2013. He joined Indian Institute of Chemical Technology, Hyderabad in 2017.

Awards and Honours: NASI Young Scientist Platinum Jubilee Award (2018), CSIR Young Scientist Award (2019).

2019



SASIDHAR B S

Sp: Organic Synthesis, Medicinal Chemistry, Phytochemistry

For his significant contribution to organic synthesis, particularly in the area of pharmaceuticals and agrochemicals.

b. 23 Aug 1984

Senior Scientist, Chemical Sciences and Technology Division, National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram 695019, Tel: 0471 251 5416; Fax: 091 249 1712; Mob: 94972 60897; Email: drsasidharbs@niist.res.in, drsasidharbs@gmail.com

Sasidhar obtained M.Sc in 2006 and PhD in 2012 from Gulbarga University, Karnataka. He joined National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram in 2012.

Awards and Honours: Kerala State Young Scientist Award (2017), CSIR Young Scientist Award (2019).

2020



SURAJ SOMAN

Sp: Dye-sensitized Solar Cells

For his significant contribution for developing semi-automatic equipments for large area dye-sensitized solar module fabrication and introducing alternate earth abundant cobalt and copper electrolytes for Indoor Photovoltaics..

b. 05 May 1986

Scientist, Chemical Sciences and Technology Division, National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram 695019, Tel: 04712 515436; Mob: 81139 18534; Email: suraj@niist.res.in, suraj.csir@gmail.com

Soman obtained M.Sc in 2008 from Mahatma Gandhi University, Kerala and PhD in 2012 from Dublin City University, Ireland. He joined National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram in 2014.

Awards and Honours: CSIR Young Scientist Award (2020).

2021



b. 26 Oct 1985

AMIT ASHOK VERNEKAR**Sp:** Bioinorganic Chemistry

For his significant contributions in the area of bio-inspired chemistry, focussing on engineering crystal system that impart enzyme-like functions to nanomaterial, and its applications in chemistry and biology.

Scientist, Inorganic and Physical Chemistry Laboratory, Central Leather Research Institute, Chennai 600 020; Tel: 044 2443 7173; Mob: 88611 02787; email: amitvernekar@clri.res.in

Vernekar obtained M.Sc in 2009 from Goa University and PhD in 2015 from Indian Institute of Science, Bengaluru. He joined Central Leather Research Institute, Chennai in 2019.

Awards and Honours: CSIR Young Scientist Award (2021).

2021



b. 18 Aug 1987

K GIRIBABU**Sp:** Liquid-Liquid Interface Electroanalytical Chemistry

For the electrochemical detection of several biomarkers by interfacial tuning of immiscible liquid-liquid junctions. This way of fabrication of non-enzymatic biosensor using biogenic amines has profound implications in designing early warning systems for medical diagnostics and food degradation.

Scientist, Eletronics and Electroanalytical Division, Central Electrochemical Research Institute, Karaikudi 630 003; Tel: 0456 5241 472; Mob: 95004 86032; Email: giribabuk@cecri.res.in

Giribabu obtained M.Sc in 2009, MPhil in 2010 and PhD in 2015 from University of Madras. He joined Central Electrochemical Research Institute, Karaikudi in 2017.

Awards and Honours: CSIR Young Scientist Award (2021).

2022



b. 22 Mar 1987

NIRMAL GOSWAMI

Sp: Metal Nanoclusters, Material Science

For his significant contributions on nanostructures and applications.

Scientist, Department of Materials Chemistry, Institute of Minerals and Materials Technology, Bhubaneswar 751 013; Tel: 067 4237 9192; Mob: 93308 97344; Email: ngoswami@immt.res.in, nirmal2009chem@gmail.com

Goswami obtained M.Sc in 2009 from Burdwan University and PhD in 2014 from Jadavpur University while working at S N Bose National Centre for Basic Sciences, Kolkata.

Awards and Honours: CSIR Young Scientist Award (2022).



EARTH, ATMOSPHERE, OCEAN
AND PLANETARY SCIENCES

1987



b. 10 Aug 1954

SYED WAJIH AHMAD NAQVI

FNA, FASc, FNASc, SSB

Sp: Chemical Oceanography, Aquatic Biogeochemistry, Palaeoceanography

For his significant contributions relating to nitrogen balance in the oceans and the variability in the denitrification intensity and its bearing on climatic and environmental perturbations.

Distinguished Visiting Professor, Department of Earth Sciences, Indian Institute of Technology, Kanpur 208 016; Tel: 0512 2592 158; Mob: 96433 14093; Email: wnaqvi@iitk.ac.in, wajih_naqvi@yahoo.com

Naqvi completed M.Sc in 1974 from Lucknow University. He obtained PhD in 1987 from Poona University while working at National Institute of Oceanography, Goa. He led the National Institute of Oceanography, Goa as Director from 2013 to 2016.

Awards and Honours: CSIR Young Scientist Award (1987); SS Bhatnagar Prize (1996); UP Vigyan Ratna (2004); National Geo Science Award (2018).

1988



b. 10 Nov 1954

MARIPI DILEEP KUMAR

FNA, FASc, FNASc

Sp: Chemical Oceanography, Biogeochemistry

For his significant contributions to the basic understanding of the biogeochemical processes affecting the concentration of elements in seawater.

Retired Chief Scientist, National Institute of Oceanography, Goa
Mob: 94044 34053; Email: maripidileepkumar@gmail.com, dileep@nio.org

Kumar completed M.Sc in 1978 and PhD in 1988 from Andhra University, Visakhapatnam. He joined National Institute of Oceanography, Goa in 1983 and superannuated on 30 Nov 2014.

Awards and Honours: CSIR Young Scientist Award (1988).

1988



b. 16 Mar 1954

SHYAM SUNDAR RAI**FNA, FASc, FNASc, SSB****Sp:** Seismology, Geophysics,
Electromagnetic Exploration

For his significant contributions in developing better interpretational approaches to field geo-electromagnetic signals.

Emeritus Professor, Department of Earth and Climate Science, Indian Institute of Science Education and Research, Pune 411 008; Tel: 020 2590 8255; Mob: 98903 22705; Email: shyamsrai@iiserpune.ac.in, shyamsrai@gmail.com

Rai obtained M.Tech in 1977 from University of Roorkee and PhD in 1988 from the Indian School of Mines, Dhanbad. He joined National Geophysical Research Institute, Hyderabad in 1978 and retired in 2019 as Chief Scientist. He joined Indian Institute of Science Education and Research, Pune in 2019.

Awards and Honours: Krishnan Medal (1991); SS Bhatnagar Prize (1996); CSIR Young Scientist Award (1988); National Mineral Award (2004); Andhra Pradesh Scientist Award (2006), National Geoscience Award (2016).

1989



b. 1 May 1954

RAJIV NIGAM**Sp:** Marine Geology, Micropaleontology

For his significant contributions to the understanding of coastal processes and environment through the analysis of foraminifera.

Retired Chief Scientist, National Institute of Oceanography, Goa 403 004; Mob: 98906 93486; Email: nigam@nio.org; rajivnigam1954@gmail.com

Nigam obtained M.Sc in 1974 from University of Lucknow and PhD in 1982 from Aligarh Muslim University, Aligarh. He obtained D.Sc in 2001 while working at National Institute of Oceanography, Goa. He joined National Institute of Oceanography, Goa in 1978 and retired in 2014.

Awards and Honours: CSIR Young Scientist Award (1989); National Mineral Award (1993); Krishnan Medal (1994); Joseph A Cushman Award (2022).

1989



b. 12 Nov 1957

PIJUSH PAL ROY

Sp: Rock Excavation Engineering

For his original contributions to analysis of pre-stressed materials and in particular to those of finely layered media using an interesting transformation.

Retired Outstanding Scientist, Central Institute of Mining and Fuel Research, Dhanbad 826 015; Tel: 0326 229 6032; Fax: 0326 229 6032; Mob: 94315 06000; Email: ppalroy@yahoo.com

Roy obtained M.Sc in 1979 from Calcutta University, Kolkata and PhD in 1984 from Indian School of Mines, Dhanbad. He joined Central Institute of Mining and Fuel Research, Dhanbad in 1986 and retired in 2017.

Awards and Honours: CSIR Young Scientist Award (1989); National Mineral Award (2005).

1990



b. 10 Oct 1955

VENIGALLA PURNACHANDRA RAO

FNA, FASc

Sp: Marine Geology, Sedimentology

For his significant contributions to the understanding of marine phosphorites, black shales and clay minerals of coastal sediments.

INSA Senior Scientist, Department of Civil Engineering, Vignan's University, Guntur 522 213; Tel: 0863 2344 700; Fax: 0863 234 4707; Mob: 94224 16008; Email: vpao55@gmail.com

Rao obtained M.Sc in 1980 and PhD in 1989 from Andhra University, Visakhapatnam. He joined National Institute of Oceanography, Goa in 1980 and retired in 2015. Later, he joined Vignan's University, Guntur.

Awards and Honours: UNESCO ROSTSCA Young Scientist Award (1989); CSIR Young Scientist Award (1990); National Mineral Award (1994).

1991: No Award

1992

**BISHWAJIT CHAKRABORTY**

Sp: Underwater Acoustic, Multibeam Sonar Bottom Scattering, Soft Computing Technique, Marine Bio-Acoustic

For his contributions to the theoretical and computational studies of wide band transducer arrays for bathymetry.

b. 4 May 1958

Retired Chief Scientist, National Institute of Oceanography, Goa 403 004; Tel: 0832 245 0318; Fax: 0832 245 0602; Email: bishwajit@nio.org

Chakraborty obtained M.Sc in 1980 and PhD in 1989 from Banaras Hindu University, Varanasi. He joined National Institute of Oceanography, Goa in 1983 and retired in 2018.

Awards and Honours: CSIR Young Scientist Award (1992); CSIR Technology Prize (2004); National Mineral Award (2006).

1992

**V RAMASWAMY**

Sp: Marine Geology; Oceanography; Biogeochemistry

For his contributions to the understanding of lithogenic fluxes and the biological processes in the Indian Ocean that determine them.

b. 4 Jul 1957

Retired Chief Scientist, National Institute of Oceanography, Goa 403 004; Tel: 0832 245 0429; Fax: 0832 2450 602; Email: rams@nio.org

Ramaswamy obtained M.Sc in 1980 from Madras University, Chennai and PhD in 1994 from Goa University. He joined National Institute of Oceanography, Goa in 1983 and retired in 2017.

Awards and Honours: CSIR Young Scientist Award (1992).

1993: No Award

1994



SRIDHAR D IYER

Sp: Geology

For his significant volcanic findings in the intra-plate regions of the Central Indian Ocean Basin.

b. 3 Jan 1959

Retired Chief Scientist, National Institute of Oceanography, Goa 403 004; Tel: 0832 245 0363; Fax: 0832 245 0602; Email: iyer@nio.org

Iyer obtained M.Sc in 1981 from University of Baroda, Gujarat and PhD from Jadavpur University, Kolkata. He joined National Institute of Oceanography, Goa in 1983 and retired in 2019.

Awards and Honours: CSIR Young Scientist Award (1994).

1995



CHAKRAVADHANULA MANIKYAMBA

Sp: Precambrian Geology, Geochemistry, Plate Tectonics, Crustal Evolution, Metallogeny

For her significant work in the geochemistry of the Precambrian rocks of Karnataka, especially banded iron formations (BIF) of Sandur Schist Belt.

b. 1 Jul 1960

Retired Chief Scientist, Geological Studies Division, National Geophysical Research Institute, Hyderabad 500 007; Tel: 040 2701 2625; Fax: 040 2717 1564; Mob: 94907 05999; Email: manikyamba@ngri.res.in, maningri@gmail.com

Manikyamba obtained M.Sc in 1987 from Institute of Chemists and PhD in 1992 from Osmania University, Hyderabad. She joined National Geophysical Research Institute, Hyderabad in 1980 and retired in 2020.

Awards and Honours: CSIR Young Scientist Award (1995), National Mineral Award (2002).

1995**b. 8 Jan 1962****KIRTI SRIVASTAVA**

Sp: Mathematical and Stochastic modeling of geophysical processes

For her significant contributions in the field of seismic signal processing and modeling of the stochastic hydrogeological processes.

Retired Chief Scientist, National Geophysical Research Institute, Hyderabad 500 007; Tel: 040 2343 4793; Fax: 040 2717 1564; Mob: 98857 17702; Email: kirti@ngri.res.in

Srivastava obtained M.Sc in 1984 and PhD in 1991 from Osmania University, Hyderabad. She joined National Geophysical Research Institute, Hyderabad in 1989 and retired in 2022.

Awards and Honours: CSIR Young Scientist Award (1995).

1996**b. 9 Apr 1966****AJAI MANGLIK**

FNASc

Sp: Computational Geodynamics, Geophysical Inversion, Tectonophysics, Magnetotellurics, Geophysical Inversion

For his outstanding work in the area of theoretical models for rheological and thermal evolution of lithosphere.

Chief Scientist, National Geophysical Research Institute, Hyderabad 500 007; Tel: 040 2701 2884; Fax: 040 2343 4651; Mob: 94909 25005; Email: ajay@ngri.res.in, amngri@gmail.com

Manglik obtained M.Tech in 1988 from University of Roorkee and PhD in 1994 from Osmania University, Hyderabad. He joined National Geophysical Research Institute, Hyderabad in 1989.

Awards and Honours: CSIR Young Scientist Award (1996); INSA Young Scientist Award (1998); Krishnan Gold Medal (2004); National Mineral Award (2008).

1997: No Award

1998



b. 5 Feb 1964

KALACHAND SAIN

FNA, FASc, FNASc

Sp: Inversion, Modeling, Processing and Interpretation of Geophysical Data

For his valuable contribution to the development of incisive seismic interpretation approaches using inversion formalism.

Director, Wadia Institute of Himalayan Geology, Dehradun 248 001; Tel: 0135 252 5101; Mob: 94409 64038; Fax: 0135 262 5212; Email: director@wihg.res.in, kalachandsain7@gmail.com

Sain obtained M.Sc in 1988 from Indian School of Mines, Dhanbad and PhD in 1995 from Osmania University, Hyderabad. He joined National Geophysical Research Institute, Hyderabad in 1994. Later in 2019, he moved to Wadia Institute of Himalayan Geology, Dehradun.

Awards and Honours: Krishnan Gold Medal (1996); CSIR Young Scientist Award (1998); National Mineral Award (2005).

2000



b. 2 Feb 1965

PRANTIK MANDAL

Sp: Seismology, Inversion, Modeling and Processing of Earthquake Data

For his outstanding work in modeling intraplate stresses in peninsular India and the seismicity of Koyna-Warna region.

Chief Scientist, National Geophysical Research Institute, Hyderabad 500 007; Tel: 040 27012888; Fax: 040 27171564; Email: prantik@ngri.res.in, prantikmandal62@gmail.com

Mandal obtained M.Sc in 1988 from Indian School of Mines, Dhanbad and PhD in 1994 from Osmania University, Hyderabad. He joined National Geophysical Research Institute, Hyderabad in 1994.

Awards and Honours: ISCA Young Scientist Award (1995); CSIR Young Scientist Award (2000); National Mineral Award (2007).

1999: No Award

2001



b. 26 Sep 1966

VINEET KUMAR GAHALAUT

FNA, FASc

Sp: Seismology, Tectonic Geodesy, Geodynamics

For his contributions towards analysis and interpretation of geodetic data in Himalayan Region and their implication in earthquake genesis.

Chief Scientist, National Geophysical Research Institute, Hyderabad, 500007, Tel: 040 2701 2517; Fax: 040 2343 4651; Mob: 98495 98161; Email: vkgahalaut@yahoo.com, vk.gahalaut@nic.in

Gahalaut obtained M.Tech in 1989 and PhD in 1995 from Indian Institute of Technology, Roorkee. He joined National Geophysical Research Institute, Hyderabad in 1999. He served as Director of National Centre for Seismology, Ministry of Earth Sciences, New Delhi from 2015 to 2019. Later in 2019, he joined National Geophysical Research Institute, Hyderabad.

Awards and Honours: INSA Young Scientist Award (1997); CSIR Young Scientist Award (2001); Krishnan Gold Medal (2005).

2002



b. 1 Jul 1968

VISHNUBHOTLA CHAKRAVARTHI

Sp: Geophysics

For application of a new approach in gravity interpretation and modelling for gaining a better understanding of sedimentary basins.

Centre for Earth, Ocean and Atmospheric Sciences, University of Hyderabad, Hyderabad 500 046; Tel: 040 2313 2669; Fax: 040 2301 0152; Mob: 94907 49535; Email: vcvarthi@rediffmail.com

Chakravarthi obtained M.Sc in 1992 from Andhra University and PhD in 2006 from Osmania University, Hyderabad. He joined National Geophysical Research Institute, Hyderabad in 1998. Later in 2011, he moved to University of Hyderabad, Hyderabad as Professor.

Awards and Honours: CSIR Young Scientist Award (2002); Gold Medal of Indian Geophysical Union (2005); National Mineral Award (2008).

2002



b. 9 Aug 1967

SHANKAR DORAISWAMY

FASc, FNASc, SSB

Sp: Tropical Ocean Dynamics, Ecosystem Dynamics, Ocean, Atmosphere Interaction, Hydrology

For his contributions to understanding of the dynamics of wind-driven circulation of the North Indian Ocean.

Chief Scientist, National Institute of Oceanography, Goa 403 004; Tel: 0832 245 0312; Mob: 94233 19557; Email: shankar@nio.org, dshankar67@gmail.com

Doraiswamy obtained M.Sc in 1991 from Indian Institute of Science, Bengaluru and PhD in 2000 from Goa University. He joined the Centre for Mathematical Modelling and Computer Simulation Bengaluru in 1994 and then moved to National Institute of Oceanography, Goa in 1995.

Awards and Honours: CSIR Young Scientist Award (2002); SCOPUS Young Scientist Award (2006); SS Bhatnagar Prize (2011).

2003



b. 5 Nov 1968

VIRENDRA MANI TIWARI

FNA, FASc, FNASc

Sp: Geophysics, Gravimetry, Geodynamics

For his outstanding work in modelling gravity and topography data to determine the nature of the isostatic compensation mechanism in the Indian lithosphere.

Outstanding Scientist, National Geophysical Research Institute, Hyderabad 500 007; Tel: 040 2701 2000; Fax: 040 2343 4651; Mob: 94403 28269; Email: vmtiwari@ngri.res.in, virendra.m.tiwari@gmail.com

Tiwari obtained M.Sc in 1992 and PhD in 1998 from Banaras Hindu University, Varanasi. He joined National Geophysical Research Institute, Hyderabad in 1998. He served at National Centre for Earth Science Studies, Thiruvananthapuram as Director from 2015 - 2016. Later he led National Geophysical Research Institute, Hyderabad as Director from 2016 to 2022.

Awards and Honours: INSA Young Scientist Award (2000); CSIR Young Scientist Award, 2003; Krishnan Gold Medal (2008); National Mineral Award (2007).

2004



b. 1 Dec 1968

UMESH CHANDRA KULSHRESTHA**Sp:** Atmospheric Chemistry, Climate Change

For his contributions to our understanding of rain water chemistry in northern India.

School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110 067; Tel: 011 2670 4320; Mob: 98106 11857; Email: umeshkulshrestha@gmail.com, umesh@mail.jnu.ac.in

Kulshrestha obtained M.Sc in 1989 from Agra University and PhD in 1994 from Dayalbagh Educational Institute, Agra. He joined Indian Institute of Chemical Technology, Hyderabad in 1998 and then moved to Jawaharlal Nehru University, New Delhi in 2008.

Awards and Honours: CSIR Young Scientist Award (2004); Krishnan Gold Medal (2004).

2004



b. 1 Jul 1969

BIBHURANJAN NAYAK**Sp:** Mineralogy, Ore Geology

For his significant contribution to our understanding of mineralogy of manganese ores of Orissa and their genesis.

Chief Scientist, Central Characterization Department, Institute of Minerals and Materials Technology, Bhubaneswar 751 013; Tel: 6742 379 441; Fax: 6742 567 160; Mob: 9431302530; E-mail: bibhu@immt.res.in, brn69@rediffmail.com

Nayak obtained M.Sc in 1991 and PhD in 1998 from Utkal University, Bhubaneswar. He joined National Metallurgical Laboratory, Jamshedpur in 2000. He moved to the Institute of Minerals and Materials Technology, Bhubaneswar in 2016.

Awards and Honours: CSIR Young Scientist Award (2004); H S Pareek Award (2014).

2005



b. 5 Jun 1970

MANGESH UTTAM GAUNS

Sp: Plankton Ecology, Tropic Dynamics, Biogeochemistry, Climate Change

For his significant contributions to the study of microzooplankton in the Arabian sea, and for identifying the existence of a microbial loop, which has provided new insights into the biogeochemistry of a part of the Arabian sea.

Senior Principal Scientist, Biological Oceanography Division, National Institute of Oceanography, Goa 403 004; Tel: 0832 2450217 Fax: 0832 2450602; Email: gmangesh@nio.org

Gauns obtained his M.Sc in 1993 and PhD in 2001 from Goa University, Goa. He joined National Institute of Oceanography, Goa in 2002.

Awards and Honours: : CSIR Young Scientist Award (2005).

2006



b. 2 Jan 1971

SANDIP KUMAR MUKHOPADHYAY

Sp: Marine and Estuarine Biogeochemistry

For his significant contributions to our understanding of estuarine biogeochemical processes and to the emission of greenhouse gases from coastal wetlands.

Department of Marine Science, University of Calcutta, Kolkata 700 019; Tel: 033 2241 3288; Fax: 033 2461 4849; Mob: 98749 44104; Email: skm.caluniv@gmail.com

Mukhopadhyay obtained M.Sc in 1995 and PhD in 2003 from University of Calcutta. He joined Central Salt and Marine Chemicals Research Institute, Bhavnagar in 2004. Later in 2008, he joined University of Calcutta, Kolkata.

Awards and Honours: CSIR Young Scientist Award (2006).

2006

b. 13 Jan 1972

PRAKASH KUMAR

Sp: Seismology, Seismic, Geodynamics, Geophysics

For his contributions to the understanding of lithosphere - aethenosphere boundary which will have impact as the model for regional plate tectonics for Indian Plate.

Director, National Geophysical Research Institute, Hyderabad 500 007; Tel: 040 2343 4700; Fax: 040 2717 1564; Mob: 94907 46138; Email: director@ngri.res.in prakashk@ngri.res.in

Kumar obtained M.Sc in 1997 from Indian School of Mines, Dhanbad and PhD in 2002 from Osmania University, Hyderabad. He joined National Geophysical Research Institute, Hyderabad in 1999. He was appointed as Director of National Geophysical Research Institute, Hyderabad in 2022.

Awards and Honours: CSIR Young Scientist Award (2006); Krishnan Medal (2010); National Geoscience Award (2011).

2008

b. 15 Jan 1973

LIDITA DILIP SINAI KHANDEPARKER

Sp: Biological Oceanography

For her studies to elucidate the interactions between chemical signals transmitted by bacteria and settling larvae of fouling organism in marine environment. Her research led to the detection of fungoid microorganism in natural biofilm.

Principal Scientist, Biology Oceanography Division, National Institute of Oceanography, Goa 403 004; Tel: 0832 245 0432; Fax: 0832 245 0602; Email: klidita@nio.org

Khandeparker obtained her M.Sc in 1995 and PhD in 2003 from Goa University, Goa. She joined National Institute of Oceanography, Goa in 2007.

Awards and Honours: CSIR Young Scientist Award (2008).

2007: No Award

2008



b. 24 May 1973

SIMANCHAL PADHY

Sp: Seismic Wave Propagation and Scattering.

For his significant contributions in seismic anisotropic structures and attenuation of body waves in relation to understanding geological complexities.

Department of Earth Sciences, Indian Institute of Technology, Roorkee 247 667; Mob: 97013 48255; Email: spadhy@es.iitr.ac.in

Padhy obtained M.Sc in 1994 from Berhmapur University, Odisha, then M.Sc in Applied Geophysics in 1998 from Indian School of Mines, Dhanbad and PhD in 2005 from Osmania University, Hyderabad. He joined National Geophysical Research Institute, Hyderabad in 1999. Later in 2021, he moved to Indian Institute of Technology, Roorkee.

Awards and Honours: CSIR Young Scientist Award (2008); National Geosciences Award (2014).

2009



b. 12 Jul 1975

K V RAMESH

Sp: System Dynamical Modelling, Artificial Intelligence, Remote Sensing, Ecosystem Modelling, Climate Change, Ocean Modelling, Air-Sea Interactions

For his significant contribution to understanding of Indian summer dynamics monsoon and variability.

Senior Principal Scientist, Fourth Paradigm Institute, Bengaluru 560 037; Tel: 080 2505 1351; Fax: 80 2522 0392; Email: ramesh@csir4pi.in, kvram55@gmail.com

Ramesh obtained M.Sc in 1997 from St. Josephs's College, Trichy, M.Tech in 1999 from Andhra University, Visakhapattanam and PhD in 2005 from Indian Institute of Tropical Meteorology, Pune. He joined Fourth Paradigm Institute, Bengaluru in 2004.

Awards and Honours: CSIR Young Scientist Award (2009); INSA Young Scientist Award (2009).

2009



b. 14 Jan 1977

NIMISHA VEDANTI

Sp: Exploration Geophysics, Time Lapse Seismic, Inverse Theory, Reservoir Geophysics.

For her outstanding work in the field of 4D seismic and inversion that had helped to optimize production strategies in low producing Indian oil field.

Senior Principal Scientist, Fractals in Geophysics Group, National Geophysical Research Institute, Hyderabad 500 007; Tel: 040 2701 2787; Fax: 040 2717 1564; Mob: 98497 08781; Email: nimisha@ngri.res.in, nim.ved@gmail.com

Vedanti obtained M.Sc in 2000 from Banaras Hindu University, Varanasi and PhD in 2007 from Osmania University, Hyderabad. She joined National Geophysical Research Institute, Hyderabad in 2004.

Awards and Honours: ISCA Young Scientist Award (2008); CSIR Young Scientist Award (2009); National Geoscience Award (2012); Krishnan Gold Medal (2017).

2010



b. 1 May 1976

RAVI PRAKASH SRIVASTAVA

Sp: Geophysics

For development of a new technique to model natural complex systems particularly hydrocarbon reservoirs.

Principal Geophysicist, Equinor ASA, Bergen, Norway; Tel: +47 94146857; Email: ravi.ngri@gmail.com

Srivastava obtained M.Sc in 2000 from Indian School of Mines, Dhanbad and PhD in 2007 from Osmania University. He joined National Geophysical Research Institute, Hyderabad in 2004. He moved to Norway as Principal Geophysicist.

Awards and Honours: ISCA Young Scientist Award (2007); CSIR Young Scientist Award (2010); National Geoscience Award (2010).

2010



b. 14 Oct 1974

SAMIR RAVIKANT DAMARE

Sp: Marine Microbial Ecology, Biogeo-Chemistry

For his outstanding research that has proven the presence of fungi in the deep-sea sediments in the Central Indian Basin and for understanding their physiology and enzyme profile using culturing techniques.

Principal Scientist, Analytical Service Division, National Institute of Oceanography, Goa 403 004; Tel: 0832 2450447; Fax: 0832 2450602; Mob: 94220 58520; Email: samir@nio.org

Damare obtained M.Sc in 2001 and PhD in 2007 from Goa University. He joined National Institute of Oceanography, Goa in 2009.

Awards and Honours: CSIR Young Scientist Award (2010).

2011



b. 3 Mar 1979

ARUN SINGH

Sp: Earthquake Seismology, Seismic Tomography

For his significant contributions to understand the mantle deformation patterns of the Indian plate using seismic anisotropy studies. He has successfully demonstrated the anisotropic nature of the Indian plate and its linkage to the geodynamics of the Himalayan-Tibetan Mountain System.

Department of Geology and Geophysics Indian Institute of Technology, Kharagpur 721 302; Tel: 03222 283 356; Fax: 03222 255 303; Mob: 93465 47633; Email: arun@gg.iitkgp.ac.in

Singh obtained M.Sc in 2003 from Banaras Hindu University and PhD in 2009 from Osmania University. He joined National Geophysical Research Institute, Hyderabad in 2008. Later in 2013, he moved to Indian Institute of Technology, Kharagpur.

Awards and Honours: CSIR Young Scientist Award (2011).

2011



b. 5 Apr 1978

RAJEEV SARASWAT

Sp: Oceanography, Paleoclimate, Paleooceanography

For his excellent work on developing unique techniques to infer relative strength of northeast and southwest monsoon during the past 140000 years using temporal changes in the morphology and abundance of benthic foraminifers and the first ever quantitative estimation of past sea water temperature changes in the Indian Ocean as well as study of foraminiferal response to various physio-chemical parameters under laboratory conditions.

Principal Scientist, Geological Oceanography Division, National Institute of Oceanography, Goa 403 004; Tel: 0832 245 0489; Fax: 0832 245 0602; Mob: 94212 49860; Email: rsaraswat@nio.org, rs.niog@gmail.com

Saraswat obtained M.Sc in 2001 from Aligarh Muslim University, Aligarh and PhD in 2006 from Goa University, Goa. He joined National Institute of Oceanography, Goa in 2008.

Awards and Honours: ISCA Young Scientist Award (2007); CSIR Young Scientist Award (2011); INSA Young Scientist Award (2013).

2012



b. 3 Feb 1977

PAWAN DEWANGAN

Sp: Marine Minerals, Continental Margin and EEZ, Sedimentology

For his significant contribution towards understanding the gas hydrate system in Krishna-Godavari offshore basin; which is distributed along the fault system due to shale tectonism.

Senior Principal Scientist, Geological Oceanography Division, National Institute of Oceanography, Goa 403 004; Tel: 0832 245 0621; Fax: 0832 245 0602; Mob: 94233 16605; Email: pdewangan@nio.org

Dewangan obtained M.Sc in 2000 from Indian Institute of Technology, Kharagpur and PhD in 2005 from Colorado School of Mines, USA. He joined National Institute of Oceanography, Goa in 2005.

Awards and Honours: INSA Young Scientist Award (2011); CSIR Young Scientist Award (2012).

2012



b. 12 May 1977

REGINALD EBHIN MASTO

Sp: Soil Sciences

For his outstanding contributions to the study of soil quality in coal industrial areas fly ash and soil carbon sequestration through biochar.

Senior Principal Scientist, Environmental Management Division, Central Institute of Mining and Fuel Research, Dhanbad 828 108; Tel: 0326 238 8339; Fax: 0326 238 1113; Mob: 94315 42415; Email: mastocfri@yahoo.com

Masto obtained M.Sc in 2000 from Acharya NG Ranga Agricultural University, Hyderabad and PhD in 2004 from Indian Agricultural Research Institute, New Delhi. He joined Central Institute of Mining and Fuel Research, Dhandbad in 2005.

Awards and Honours: CSIR Young Scientist Award (2012).

2013



b. 10 Jan 1978

MAHESWAR OJHA

Sp: Geophysics, Marine Seismic

For his significant contribution in exploring gas hydrates using novel inversion and numerical tools.

Principal Scientist, Gas Hydrate Group, National Geophysical Research Institute, Hyderabad 500 007; Tel: 040 2343 4700; Fax: 040 2343 4651; Mob: 94400 62704; Email: maheswar_ojha@yahoo.com

Ojha obtained M.Sc in 2003 from Indian School of Mines, Dhanbad and PhD in 2009 from Osmania University, Hyderabad. He joined National Geophysical Research Institute, Hyderabad in 2008.

Awards and Honours: INSA Young Scientist Award (2012), CSIR Young Scientist Award (2013).

2014

b. 6 Mar 1980

SUMIT KUMAR MISHRA**Sp:** Aerosol Morphology

For his original contribution in the area of optical properties of dust aerosols in the atmosphere. Utilizing the numerical modeling techniques and experimental observations for characterization of the aerosol morphology and complex mixing states, he estimated the radiative forcing effect, which will help to improve the regional radiation budget and its impact on climate change assessment.

Principal Scientist, Radio and Atmospheric Sciences Division, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 9387; Fax: 011 4560 9310; Mob: 99119 20419; Email: mishrask@nplindia.org

Mishra obtained M.Sc in 2003 from University of Lucknow, then M.Tech in 2004 from University of Pune and PhD in 2011 from Indian Institute of Technology, Kanpur. He joined National Physical Laboratory, New Delhi in 2009.

Awards and Honours: CSIR Young Scientist Award (2014).

2016

b. 5 May 1982

V RAKESH**Sp:** Atmospheric modeling, Data Assimilation and Forecasting.

For his outstanding contribution towards systematic data assimilation in weather prediction model over the Indian region at different scales from short range to seasonal. His work on high-resolution forecasting over Karnataka demonstrated effectiveness of the methodology in practical applications.

Principal Scientist, Fourth Paradigm Institute, Bengaluru 560 037; Tel: 080 2505 1332; Fax: 080 2522 0392; Mob: 96118 94141; Email: rakesh@csir4pi.in, rakeshv82@gmail.com

Rakesh obtained M.Sc in 2004 from Cochin University of Science and Technology, Kerala and PhD in 2009 from Gujarat University. He joined Fourth Paradigm Institute, Bengaluru in 2009.

Awards and Honours: CSIR Young Scientist Award (2016).

2015: No Award**2017, 2018: No Award**

2019



b. 22 Oct 1984

AMOL PRAKASH

Sp: Circulation, shelf dynamics, Physical Oceanography

For his significant work on explaining the environment observations along the Indian coast and developing a theoretical framework to understand the dynamics of shelf waves and their interaction with large scale circulations.

Senior Scientist, National Institute of Oceanography, Regional Centre, Visakhapatnam 530 017, Tel: 0891 253 9180 Fax: 0891 2539180; Mob: 94044 56782; Email: amol@nio.org

Prakash obtained M.Sc in 2007 from Cochin University of Science and Technology, Kerala and PhD in 2014 from Goa University. He joined National Institute of Oceanography, Goa in 2016.

Awards and Honours: CSIR Young Scientist Award (2019).

2019



b. 21 Aug 1986

BODHISATWA HAZRA

Sp: Organic Petrology, Geochemistry, Pore Structure Evaluation

For his significant contributions on source-rock geochemistry, gas adsorption and fractal dimensions of organic sedimentary rocks.

Scientist, Coal Petrology Section, Resource Quality Assessment Division, Central Institute of Mining and Fuel Research, Dhandad 828 108, Tel: 0326 238 8321 Fax: 0326 2381 238; Mob: 89007 18631; Email: bodhisatwa.hazra@gmail.com

Hazra obtained M.Sc in 2010 from University of Burdwan, West Bengal and PhD in 2015 from Indian School of Mines, Dhanbad. He joined Central Institute of Mining and Fuel Research, Dhandad in 2017.

Awards and Honours: CSIR Young Scientist Award (2019).

2020



b. 3 Jun 1986

JAGADEESAN LOGANATHAN

Sp: Biological Oceanography

For his outstanding contributions to the plankton ecology in the context of marine ecosystem functioning in the Bay of Bengal, Gulf of Mannar and the Mudbank phenomena occurring along the southwest coast of India. His significant findings include the role of upwelling as the key mechanism that enhances the biological production in Mudbank, Eddies can carry plankton community along their path and the seasonally, reversing coastal currents influence ecosystem components in the Gulf of Mannar and Palk Bay.

Senior Scientist, National Institute of Oceanography Regional Centre, Visakhapatnam 530 017; Tel: 0891 254 3595; Fax: 0891 2539180; Mob: 94957 79275, Email: jagadeesanl@nio.org, jagaarun1986@gmail.com

Loganathan obtained M.Sc in 2008, M.Phil in 2010 from Annamalai University and PhD in 2016 from Bharathidasan University. He joined National Institute of Oceanography, Regional Centre, Visakhapatnam in 2016.

Awards and Honours: CSIR Young Scientist Award (2020).

2021



b. 2 Mar 1986

SHILPI KUSHWAHA

Sp: Environmental Chemistry

For her innovative research on the extraction of Uranium from secondary sources such as seawater and acidic effluents using crystalline thin films and polymer nanorings.

Scientist, Analytical and Environmental, Sciences Division, Central Salt and Marine Chemicals Research Institute, Bhavnagar 364 002; Tel: 0278-256 1354; Mob: 85549 82810 Email: shilpik@csmcri.res.in, shilpi.kushwaha@fulbrigtmil.org

Kushwaha obtained M.Sc in 2007 and PhD in 2012 from Mahara-ja Sayajirao University of Baroda. She joined Central Salt and Marine Chemicals Research Institute, Bhavnagar in 2018.

Awards and Honours: CSIR Young Scientist Award (2021).

2022



b. 8 Jan 1987

KARNAN CHINNADURAI

Sp: Biological Oceanography, Plankton Ecology, Ecosystem Functioning and Foodweb Dynamics

For his contributions on plankton ecology along Indian coast, which has immense significance in identifying fishery population.

Scientist, Biological Oceanography Division, National Institute of Oceanography, Goa 403 004; Tel: 0832 2450 515 / 2450 606; Mob: 96330 32345, Email: karnanc@nio.org

Chinnadurai obtained M.Sc in 2011 from University of Madras and PhD in 2020 from Bharathidasan University, Trichy while working at National Institute of Oceanography, Kochi.

Awards and Honours: CSIR Young Scientist Award (2022).



ENGINEERING SCIENCES

1987



K RAVINDRANATH

Sp: Polymer Science.

For his outstanding contributions to modeling and simulation of industrial polyethylene terephthalate reactors. His work has led to new insights into the working of these complex polycondensation reactors, and to significant improvement in quantity and quality in Indian polyester fiber industry.

Ravindranath was affiliated with National Chemical Laboratory, Pune at the time of award.

Awards and Honours: CSIR Young Scientist Award (1987).

1988



ASHOK JOSHI

Sp: Atmospheric Modeling, Data Assimilation and Forecasting.

For his innovative analyses of nonlinear flutter and aeroelastic problems connected with aerospace vehicles designed in the country.

Professor, Department of Aerospace Engineering, Indian Institute of Technology Bombay, Mumbai 400 076; Tel: 022 2576 7113; Fax: 022 2572 2602; Email: ashokj@aero.iitb.ac.in

Joshi obtained M.Tech in 1980 and PhD in 1984 from Indian Institute of Technology Bombay, Mumbai. Joshi was in National Aeronautical Laboratory, Bengaluru. He joined Indian Institute of Technology Bombay, Mumbai in 1990.

Awards and Honours: CSIR Young Scientist Award (1988).

1989



b. 10 Nov 1954

ALOK KUMAR SAXENA

Sp: Modeling and simulation of Refinery Processes, Plant design.

For his significant contributions through the development of a coiled configuration for flow inversion and to our understanding of bubble column reactors and kinetics of hydrocracking of vacuum gas oils.

Managing Director, GTC Process Technology (India) Private Limited., 19A/19B Vipul Agora MG Road, Gurugram 122 022; 501A, Aviation Heights, Plot 11, Sector 52, Gurugram 122 022; Tel: 0124 4694 103; Mob: 98109 23959; Email: asaxena@gtctech.com, alokkumarsaxena54@gmail.com

Saxena obtained M.Tech in 1978 and PhD in 1982 from Indian Institute of Technology Delhi, New Delhi. He joined Indian Institute of Petroleum, Dehradun in 1986. Later he moved to Bharat Petroleum Corporation Ltd as Chief R&D Manager in 2002. He joined GTC Process Technology (India) Private Limited, Gurugram in 2012.

Awards and Honours: CSIR Young Scientist Award (1989).

1989



b. 5 Dec 1953

DEVENDRA DEO NARAIN SINGH

Sp: Corrosion and Protection of Metals

For his significant contributions to the development of a corrosion inhibitor, the planning and organizing of full-scale plant trial for application of the same in pickling, galvanizing and tube plants of a major steel plant in the country which demonstrated the enhanced inhibitive efficiency as well as made an impact in terms of increased productivity and quality.

Retired Chief Scientist, National Metallurgical Laboratory, Jamshedpur 831 007.

Singh obtained M.Sc in 1975 from Gorakhpur University and PhD in 1980 from Banaras Hindu University, Varanasi. He joined National Metallurgical Laboratory, Jamshedpur in 1981.

Awards and Honours: CSIR Young Scientist Award (1989).

1990: No Award

1991



AMITABHA KUMAR

For his contributions to the development of concretes based on blends of portland cement with industrial and agricultural wastes.

b. 22 Jul 1957

Kumar was affiliated with Central Glass and Ceramic Research Institute, Kolkata at the time of award.

Awards and Honours: CSIR Young Scientist Award (1991).

1992



SUBRATA CHATTOPADHYAY

Sp: Metallurgical engineering

For his contributions to the development of an electroslag steel smelting process.

b. 14 Feb 1959

Chattopadhyay was affiliated with National Metallurgical Laboratory, Jamshedpur at the time of award.

Awards and Honours: CSIR Young Scientist Award (1992).

1992



b. 15 Oct 1963

VIVEK VINAYAK RANADE**FNA, FASc, SSB**

Sp: Chemical Engineering, Multiphase Reactors, Process Intecsification, CFD

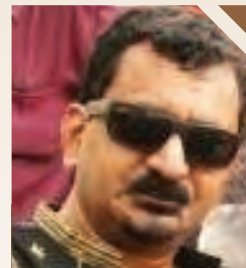
For developing novel simulation model for predicting the turbulent characteristics of dispersed gas-liquid flows in industrial reactors.

Bernal Professor of Process Engineering, Bernal Institute, University of Limerick, Limerick, Ireland; Professor Emeritus, School of Chemistry and Chemical Engineering, Queen's University, Belfast, BT9 5AG, Northern Ireland UK; Tel: +4428 9097 4592, +353 6123 478; Email: v.ranade@qub.ac.uk, vivek.ranade@ul.ie

Ranade obtained B.Tech in 1983 and PhD in 1988 from University of Bombay, Mumbai. He joined National Chemical Laboratory, Pune in 1990. Since 2016 he is working as Professor at Queens University of Belfast. Since August 2019, he is also working as Bernal Chair of Process Engineering at University of Limerick, Limerick, Ireland.

Awards and Honours: CSIR Young Scientist Award (1992); INAE Young Engineer Award (1996); AVRA Young Scientist Award (2003); SS Bhatnagar Prize (2004); VASVIK Award (2014).

1993



b. 1 Oct 1959

ASHISH KUMAR GONDAL

Sp: Oil and Energy

For his contributions towards the understanding of engine component wear and the effects of methanol admixture on the tribological behavior of IC engines.

Chief Executive, Lube Techies, Mumbai; Tel: 22 66101840; Email: ashish.gondal@se1.bp.com

Gondal obtained M Tech in 1991 from Indian Institute of Technology Delhi, New Delhi. He joined Indian Institute of Petroleum, Dehradun. Later he joined Castrol India Limited. Since 2017, he owns start-up Lube Techies at Mumbai.

Awards and Honours: CSIR Young Scientist Awards (1989).

1993



b. 13 May 1962

B P NAGA NARAYANA

Sp: Finite Element Methods, Delimitation Mechanics, Non-Linear Mechanics, Structural Analysis

For his contributions in the area of FEM structural analysis validating basic principles of consistency to eliminate errors of locking and stress oscillations.

Global CAE and Validation Director, Magna Exteriors, 750 Tower Drive, Mail Code 7000 Troy, Michigan, USA 48098; Tel: +1 248 631 1100; Email: nnarayana@iacgroup.com, naganarayana@hotmail.com

Narayana obtained M.Tech in 1986 from Indian Institute of Technology Madras, Chennai and PhD in 1991 from Indian Institute of Science, Bengaluru. He joined National Aerospace Laboratory, Bengaluru in 1987. He moved to USA in 1998.

Awards and Honours: CSIR Young Scientist Award (1993).

1994



b. 16 Dec 1959

DEBTOSH KUNDU

Sp: Sol-gel processing of porous and dense thin films for optical, sensor, photocatalytic and separation applications

For his significant contributions to the development of innovative sol-gel processes leading to the preparation of high quality ceramic glass.

Retired Chief Scientist, Central Glass and Ceramic Research Institute, Kolkata 700 032; Tel: 033 2473 3469; Fax: 033 2473 0957; Email: debtosh@cgcri.res.in

Ghosh obtained M.Sc in 1981 from Indian Institute of Technology, Kharagpur and PhD in 1987 from Jadavpur University, Kolkata. He joined Central Glass and Ceramic Research Institute, Kolkata in 1986 and retired in 2019.

Awards and Honours: CSIR Young Scientist Award (1994).

1995



b. 24 Apr 1960

SIDDHARTHA BANDYOPADHYAY

Sp: Ceramic Materials, Oxynitride Ceramics

For development of monolithic sialon refractories and other ceramic materials from indigenous raw materials.

Retired Chief Scientist, Bioceramics and Coating Division, Central Glass and Ceramic Research Institute, Kolkata 700 032; Tel: 033 2473 3496; Fax: 033 2473 0957; Email: sbando@cgcri.res.in

Bandyopadhyay obtained PhD in 1988 from Jadavpur University, Kolkata. He joined Central Glass and Ceramic Research Institute, Kolkata in 1980 and retired in 2020.

Awards and Honours: CSIR Young Scientist Awards (1995).

1995



b. 27 Jun 1960

SRINIVASAN SRIKANTH

FNASc

Sp: Thermodynamics, Kinetics, Solid Oxide Fuel Cells, Extractive Metallurgy

For his innovative use of thermodynamic models towards the development of calcium silicide process.

Retired Outstanding Scientist, CSIR, No 256, 1st Floor, Alagirisami Salai, KK Nagar (West) Chennai 600 007; Tel: 044 2366 2472; Mob: 95661 56748; Email: ssrikanthnml@gmail.com, s_srikanth_99@yahoo.com

Srikanth obtained ME in 1984 and PhD in 1990 from Indian Institute of Science, Bengaluru. He joined National Metallurgical Laboratory, Jamshedpur in 1990. He served National Metallurgical Laboratory, Jamshedpur as Director from 2010 to 2016.

Awards and Honours: CSIR Young Scientist Awards (1995); VASVIK Award (2011).

1996



b. 3 Apr 1967

ASHISH KISHORE LELE

FNA, FASc, SSB

Sp: Chemical Engineering, Polymer Science and Engineering

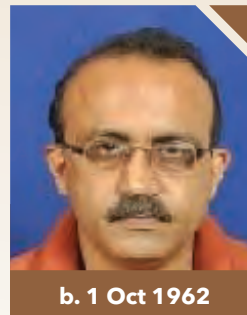
For his innovative work on relating the microstructural environment of polymer chains in a gel to its volume transition.

Director, National Chemical Laboratory, Pune 411 008; Tel: 020 2590 2199; Fax: 020 2590 2618; Mob: 99600 65550; Email: director@ncl.res.in, aklele@gmail.com

Lele obtained B.Tech in 1988 from University of Mumbai and PhD in 1993 from University of Delaware, Newark, USA. He joined National Chemical Laboratory, Pune in 1993. He moved to Reliance Industries Limited as Senior Vice President in 2018. He was appointed as Director of National Chemical Laboratory, Pune in 2021.

Awards and Honours: CSIR Young Scientist Award (1996); INSA Young Scientist Award (1998); SS Bhatnagar Prize (2006); Infosys Prize (2012).

1997



b. 1 Oct 1962

INDRANIL CHATTORAJ

Sp: Corrosion, Failure Analysis, Hydrogen Effect

For his significant contributions towards the understanding of switching process in amorphous Fe-Si-B fibers by controlled hydrogen impregnation and in the area of hydrogen degradation of steel.

Director, National Metallurgical Laboratory, Jamshedpur 831 007; Tel: 0657 234 5000, 234 5028, Fax: 0657 234 5213, 234 5153; Mob: 99341 35077; Email: director@nmlindia.org, ichatt@nmlindia.org

Chattoraj obtained MS in 1987 and PhD in 1991 from Ohio State University, USA. He joined National Metallurgical Laboratory, Jamshedpur in 1991. He was appointed as Director of National Metallurgical Laboratory, Jamshedpur in 2017.

Awards and Honours: CSIR Young Scientist Award (1997).

1998



b. 19 Jan 1963

ARVIND SINHA**FNASc**

Sp: Materials Science and Technology, Biomimetic Processing of Composites, Nano - Biomaterials, Microgravity and Quasi - Crystallography

For his contributions to a better understanding of quasi-periodic tiling. His experimental efforts have led to the development of a simple and effective process for the synthesis of neodymium-iron- boron (Nd-Fe-B), a low magnetic material; of technological importance.

Chief Scientist, Advanced Materials and Processes Division, National Metallurgical Laboratory, Jamshedpur 831 007; Tel: 0657 234 5266; Fax: 0657 234 5213; Email arvind@nmlindia.org, arvind_biom@yahoo.com

Sinha obtained M.Sc in 1984 from Chaudhary Charan Singh University, Meerut, MPhil in 1986 from Indian Institute of Technology Roorkee and PhD in 1993 from Banaras Hindu University, Varanasi. He joined National Metallurgical Laboratory, Jamshedpur in 1996.

Awards and Honours: CSIR Young Scientist Award (1998).

1999



b. 14 Jul 1964

SUMAN KUMARI MISHRA**FNASc**

Sp: Materials Science Processing, Hard Coating, Protective Coating, Energy Materials, High Temperature Materials

For her studies on thin film high temperature super conductors and nano-crystalline ceramics which are innovative and novel. The work has technological significance with respect to advanced ceramics, surface coatings and applied device fabrication.

Director, Central Glass and Ceramic Research Institute, Kolkata 700 032; Tel: 033 2473 5829, 2322 3380; Mob: 98013 41664
Email: director@cgcri.res.in, suman.nml@gmail.com

Mishra obtained M.Sc in 1985 from Ranchi University, Jharkhand and PhD in 1995 from Indian Institute of Technology, Kharagpur. She joined National Metallurgical Laboratory, Jamshedpur in 1996. She was appointed as Director of Central Glass and Ceramic Research Institute, Kolkata in 2021.

Awards and Honours: CSIR Young Scientist Award (1999); Vasvik Award (2004).

1999



b. 15 Sept 1965

K YAMUNA RANI

Sp: Chemical Engineering, Process Dynamics and Control, Process Optimization

For her significant contributions in control of chemical processes by adopting and building upon modern techniques of self-tuning control and neural network based control in an innovative fashion.

Chief Scientist, Indian Institute of Chemical Technology, Hyderabad 500 007; Tel: 040 2719 3121; Fax: 040 2719 3626; Mob: 94904 62494; Email: kyrani@iict.res.in

Rani obtained M.Tech in 1988 and PhD in 2002 from Indian Institute of Technology Madras, Chennai. She joined Indian Institute of Chemical Technology, Hyderabad in 1990.

Awards and Honours: CSIR Young Scientist Award (1999).

2000



b. 6 Oct 1965

KANAI LAL SAHOO

Sp: Industrial Metallurgy, Materials Processing, Alloy Development, Nanomaterials

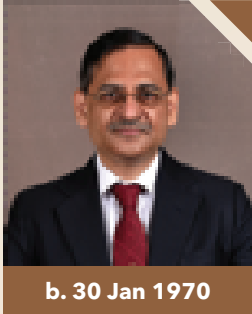
For developing a novel and low-cost route for the preparation of Al-Fe-V-Si alloys using a cost-effective, energy efficient and industrial viable simple melting and casting process.

Senior Principal Scientist, Materials Engineering Division, National Metallurgical Laboratory, Jamshedpur 831 007; Tel: 0657 234 5046; Fax: 0657 234 5273; Mob: 98355 96076; Email: klsah@nmlindia.org

Sahoo obtained ME in 1991 from Jadavpur University, Kolkata and PhD in 1998 from Indian Institute of Technology, Kharagpur. He joined National Metallurgical Laboratory, Jamshedpur in 1997.

Awards and Honours: CSIR Young Scientist Award (2000).

2001



b. 30 Jan 1970

ABHAY ANANT PASHILKAR

Sp: Flight Dynamic Modeling, Simulation Control and Parameter Estimation.

For his contributions to control systems design, especially towards providing a control law for handling of the Light Combat Aircraft under high angle of attack unsteady aerodynamics.

Director, National Aerospace Laboratories, Bengaluru 560 017; Tel: 080 25086545; Fax: 080 2526 0862; Email: apash@cmmacs.ernet.in

Pashilkar obtained ME in 1993 and PhD in 2001 from Indian Institute of Science, Bengaluru. He joined National Aerospace Laboratories, Bengaluru in 1993. He was appointed as Director of National Aerospace Laboratories, Bengaluru in 2022.

Awards and Honours: CSIR Young Scientist Award (2001).

2001



b. 16 Mar 1968

NAVIN KUMAR RASTOGI

Sp: Food Engineering.

For developing innovative and commercially viable food technology for difficult to handle food materials. He also developed realistic transport models for such complex systems, where the material structure undergoes change during the process.

Chief Scientist, Department of Food Engineering, Central Food Technological Research Institute, Mysore 570 020; Tel: 0821 251 3910; Fax: 0821 251 7233; Mob: 99727 94896; Email: nkrastogi@cftri.res.in

Rastogi obtained MBA in 1991 from Rohilkhand University, Bareilly, M.Tech in 1998 from S J College of Engineering, Mysore and PhD in 2003 from Central Food Technological Research Institute, Mysore. He joined Central Food Technological Research Institute, Mysore in 1991.

Awards and Honours: CSIR Young Scientist Award (2001).

2002



b. 21 Aug 1968

MANOJ THANKAPPAN NAIR

Sp: Computational Fluid Dynamics, Hypersonic Flow.

For his significant contributions to the numerical simulation of hypersonic flows in complex geometries.

Department of Aerospace Engineering, Indian Institute of Space Science and Technology, Thiruvananthapuram 695 547; Tel: 0471 256 8415; Fax: 0471 256 8406; Email: manojtnair@iist.ac.in

Nair obtained M.Tech in 1992 and PhD in 1999 from Indian Institute of Technology, Kanpur. He served National Aerospace Laboratories, Bengaluru from 1998 to 2013. Later in 2013, he moved to Indian Institute of Space Science and Technology, Thiruvananthapuram.

Awards and Honours: CSIR Young Scientist Award (2002).

2002



b. 22 May 1967

KAMALA KANTA SAHU

Sp: Extractive Metallurgy, Hydrometallurgy, Material Synthesis.

For his significant contributions to the field of materials synthesis and development of innovative processes for efficient extraction and recovery of metals as value-added products.

Chief Scientist, National Metallurgical Laboratory, Jamshedpur 831 007; Tel: 0657 234 5250; Fax: 0657 234 5273; Email: kksahu@nmlindia.org

Sahu obtained M.Sc in 1989 and PhD in 1994 from Utkal University, Bhubaneswar. He joined National Metallurgical Laboratory, Jamshedpur in 1998.

Awards and Honours: CSIR Young Scientist Award (2002); IIME Mineral Beneficiation Award (2015); SKOCH Smart Technology Award (2015).

2003



b. 22 Jan 1968

UPENDRA NATARAJAN

Sp: Computational Materials Science, Statistical Mechanics, Molecular Simulation, Macromolecular Science and Engineering Nanoscale Heterogeneous Materials

For his significant contributions to a theoretical understanding of the complex chemical structure and its effect on the conformationally dependent structural properties of industrially relevant engineering polymers.

Department of Chemical Engineering, Indian Institute of Technology Madras, Chennai 600 036; Tel: 044 2257 4184; Fax: 044 2257 4152; Mob: 98406 98882; Email: unatarajan@iitm.ac.in

Natarajan obtained MS in 1993 from University of Kansas, USA and PhD in 1998 from University of Akron, USA. He joined National Chemical Laboratory, Pune in 2000 and then moved to Amrita University, Coimbatore in 2006. Later in 2007, he joined Institute of Technology Madras, Chennai as Professor.

Awards and Honours: CSIR Young Scientist Award (2003); MRSI Medal (2006).

2003



b. 17 May 1973

JOHN LOUI PORATHUR

Sp: Rock Mechanics, Mining Methods.

For developing generalized equations for the prediction of subsidence for regular shaped multi-seam extraction panels. His efforts have resulted in the development of software which has proved to be of great value to the mining engineers.

Chief Scientist, Central Institute of Mining and Fuel Research, Central Mining Research Institute, Nagpur 440 001; Tel: 0712 251 0253; Fax: 0712 251 0604; Mob: 92708 00908; Email: johnlouip@cimfr.nic.in, johnlouip@yahoo.com

Porathur obtained B.Tech in 1994 and PhD in 2000 from Indian Institute of Technology Kharagpur. He joined Central Institute of Mining and Fuel Research, Dhanbad in 1997.

Awards and Honours: CSIR Young Scientist Award (2003).

2004



b. 4 May 1973

KALARICAL JANARDHANAN SREERAM

Sp: Material Science, Nanotechnology,
Leather Science

For his important contributions for developing innovative green chemistry suitable for controlling chromium level in the effluent of mining, ore dressing and tanning industries.

Director, Central Leather Research Institute, Chennai 600 020;
Tel : 044 2491 087, 2443 7131; 044 2441 1630; Fax: 044 2491 2450;
Mob: 98401 25263; Email: director@clri.res.in, kjsreeram@clri.res.in

Sreeram obtained M.Tech in 1996 and PhD in 2000 from Anna University, Chennai. He joined Central Leather Research Institute, Chennai in 2002. He was appointed as Director of Central Leather Research Institute, Chennai in 2019.

Awards and Honours: CSIR Young Scientist Award (2004).

2005



b. 30 May 1973

GURUSWAMY KUMARASWAMY

Sp: Complex Fluids, Polymer Engineering.

For his significant contributions towards understanding the role of non-crystalline co-monomer "defects" in the crystallization of ethylene co-polymers.

Department of Chemical Engineering, Indian Institute of Technology Bombay, Mumbai 400 076; Tel : 022 2576 7239; Email: guruswamy@iitb.ac.in

Kumaraswamy obtained MS in 1996 and PhD in 2000 from California Institute of Technology, USA. He joined National Chemical Laboratory, Pune in 2001. Later in 2019, he joined Indian Institute of Technology Bombay, Mumbai as Professor.

Awards and Honours: CSIR Young Scientist Award (2005).

2006



b. 8 Feb 1976

P THANIKAIVELAN

Sp: Leather, Collagen, Composite Materials, Nanomaterials, Biomaterials

For his innovation of a new pollution free route to leather processing of great industrial significance.

Chief Scientist, Advanced Materials Laboratory, Central Leather Research Institute, Adyar, Chennai 600 020; Tel: 044 2443 7142; Fax: 044 2491 2150; Mob: 98405 88642; Email: thanik@clri.res.in, thanik8@yahoo.com

Thanikaivelan obtained M.Tech in 1999 and PhD in 2003 from Anna University, Chennai. He joined Central Leather Research Institute, Chennai in 2002.

Awards and Honours: CSIR Young Scientist Award (2006), INAE Young Engineer Award (2006).

2007



b. 8 May 1972

RABIBRATA MUKHERJEE

Sp: Polymer Thin Film Instability, Soft Lithography, Structural Super Hydrophobicity, Soft Nano Fabrication, Colloidal Crystals

For his outstanding contributions to the techniques of fabrication of micro and nano scale patterns on large areas using hydrodynamic instability driven processes in soft polymer films.

Department of Chemical Engineering, Indian Institute of Technology, Kharagpur 721 302; Tel: 032 2228 3912; Fax: 032 2225 5303; Mob: 98310 96816; Email: rabibrata@che.iitkgp.ac.in

Mukherjee obtained M.Tech in 2003 from Indian Institute of Technology, Kharagpur and PhD in 2007 from Indian Institute of Technology, Kanpur. He joined Central Glass and Ceramic Research Institute, Kolkata in 1997 and then moved to Indian Institute of Technology, Kharagpur in 2009.

Awards and Honours: CSIR Young Scientist Award (2007); MRSI Medal (2014).

2007



b. 24 Oct 1971

SUNDERGOPAL SRIDHAR

Sp: Membrane Separation Processes.

For his contributions to the development of membrane science and technology by synthesizing novel membranes and designing processes which have been utilized in several societal and industrial applications.

Chief Scientist, Process Engineering & Technology Transfer Division, Indian Institute of Chemical Technology, Hyderabad 500 007; Tel: 040 2719 3408; Fax: 040 2719 3626; Email: sridhar11in@yahoo.com, s_sridhar@iict.res.in

Sridhar obtained PhD in 2007 from Karnatak University, Dharwad. He joined Indian Institute of Chemical Technology, Hyderabad in 1998.

Awards and Honours: CSIR Young Scientist Award (2007); NASI Scopus Young Scientist Award (2011).

2008



b. 16 May 1973

SATYAJIT VISHNU SHUKLA

Sp: Dye Removal Technologies, Nanostructures, Magnetic Composites, Sensors, Separation Membranes, Process Development.

For his contributions to the development of hydrogen sensors and separation techniques.

Principal Scientist, Materials Science and Technology Division, National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram 695 019; Tel: 0471 251 5385; Fax: 0471 249 1712; Mob: 98958 86474; Email: satyajit_shukla@niist.res.in, shukla_satyajit@yahoo.com

Shukla obtained M.Tech in 1996 from Indian Institute of Technology Bombay, Mumbai and PhD in 2002 from University of Central Florida, USA. He joined National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram in 2008.

Awards and Honours: CSIR Young Scientist Award (2008).

2008



b. 25 Apr 1973

RANJAN KUMAR SAHU

Sp: Magnetic and Electronic Materials

For his contributions to the development of magnetoresistive materials.

Senior Principal Scientist, Materials Science and Technology Division, National Metallurgical Laboratory, Jamshedpur 831 007; Tel: 0657 234 5000, 234 5028, Fax: 0657 234 5213, 234 5153; Mob: 94307 76206; Email: rksahu@nmlindia.org

Sahu obtained M.Sc in 1995 from Utkal University, Bhubaneswar and PhD in 2002 from Indian Institute of Technology, Kanpur. He joined National Metallurgical Laboratory, Jamshedpur in 2004.

Awards and Honours: CSIR Young Scientist Award (2008).

2009



b. 22 Sept 1976

BALARAMAN MADHAN

Sp: Stability of collagen, Open source environment, Datamining, Data warehousing, Biomedical applications of collagen, Cleaner leather processing, Leather biotechnology

For his significant contributions to our understanding of tanning and the potential impact of the research on biomedical applications.

Senior Principal Scientist, Central Leather Research Institute, Adyar, Chennai 600 020; Tel: 044 2443 7169; Fax: 044 2491 2150; Mob: 98407 24875; Email: madhan@clri.res.in, bmadhan76@yahoo.co.in

Madhan obtained M.Tech in 2000 and PhD in 2006 from Anna University, Chennai. He joined Central Leather Research Institute, Chennai in 2002.

Awards and Honours: CSIR Young Scientist Award (2009), INAE Young Engineer Award (2011).

2010



b. 5 Jun 1977

SANJAY PANDURANG KAMBLE

Sp: Process Intensification, Process Development and Scale-up, Chemical Reaction Engineering, Treatment of Industrial Wastewater and Sewage Water.

For his outstanding contributions to the development of chemical processes and technologies with a view to protect environment and minimize the energy requirement.

Principal Scientist, Chemical Engineering and Process Development Division, National Chemical Laboratory, Pune 411 008; Tel: 020 2590 2732 / 2342; Fax: 020 2590 2621; Mob: 94230 55351; Email: sp.kamble@ncl.res.in, sanjay9906@gmail.com

Kamble obtained M.Chem Engineering in 2000 and PhD in 2007 from University of Mumbai. He served National Environmental Engineering Research Institute, Nagpur from 2005 to 2008. Later in 2008, he moved to National Chemical Laboratory, Pune in 2008.

Awards and Honours: CSIR Young Scientist Award (2010).

2010



b. 19 Aug 1976

SAPTARSHI SASMAL

Sp: Structural Engineering.

For his significant contributions to condition assessment and strengthening of structures.

Senior Principal Scientist, Structural Engineering Research Centre, Chennai 600 113; Tel: 044 2254 9210; Fax: 044 2254 1508; Mob: 98846 40365; Email: saptarshi@serc.res.in

Sasmal obtained ME in 2000 from Jadavpur University, Kolkata and PhD in 2009 from Universitaet Stuttgart, Germany. He joined Structural Engineering Research Centre, Chennai in 2002.

Awards and Honours: CSIR Young Scientist Award (2010).

2011



b. 3 Dec 1976

AMOL ARVINDRAO KULKARNI

SSB

Sp: Chemical Engineering

For his outstanding work on microreactors and designing ability to transform basic understanding into viable processes.

Chief Scientist, Chemical Engineering and Process Development Department, National Chemical Laboratory, Pune 411 008; Tel: 020 2590 2153; Fax: 020 25902621; Mob: 98812 35277 Email: aa.kulkarni@ncl.res.in

Kulkarni obtained M.Chem Engineering in 2000 and PhD in 2003 from University of Mumbai. He joined National Chemical Laboratory, Pune in 2005.

Awards and Honours: INSA Young Scientist Award (2009); INAE Young Engineer Award (2009); CSIR Young Scientist Award (2011); SS Bhatnagar Prize (2020).

2011



b. 7 Jan 1978

KAUSHIK BISWAS

Sp: Materials Science, Glass and glas-ceramics.

For his outstanding contributions towards development of rare earth doped fluoride nanocrystal containing transparent glass ceramics which represent promising future materials.

Principal Scientist, Glass Science and Technology Section Glass Division, Central Glass and Ceramic Research Institute, Kolkata 700 032; Tel: 033 2473 3496; Fax: 033 2473 0957; Mob: 97480 51040; Email: kbiswas@cgcri.res.in, kk.biswas@gmail.com

Biswas obtained M.Tech in 2003 from Indian Institute of Technology Kharagpur and PhD in 2008 from Technical University of Dresden, Germany. He joined Central Glass and Ceramic Research Institute, Kolkata in 2007.

Awards and Honours: CSIR Young Scientist Award (2011).

2012



b. 5 Apr 1978

MUGDHA CHETAN GADGIL

Sp: Biochemical Engineering.

For her contributions in the general area of enhanced protein production including development of novel hydrogel based nutrient delivery systems for animal cell culture.

Senior Principal Scientist, Chemical Engineering and Process Development, National Chemical Laboratory, Pune 411 008; Tel: 020 25902 433; Fax: 020 2590 2621; Mob: 94230 55138; Email: mc.gadgil@ncl.res.in

Gadgil obtained B.Chem Engineering in 1999 from University of Mumbai and PhD in 2004 from University of Minnesota, USA. She joined National Chemical Laboratory, Pune in 2006.

Awards and Honours: CSIR Young Scientist Award (2012).

2012



b. 4 Aug 1979

PRIYANKA HEDA MAHESHWARI

Sp: Physics and Engineering of Carbon.

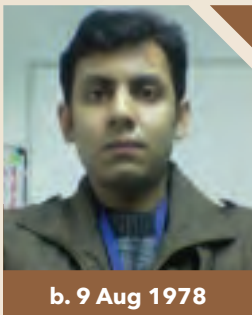
For her exceptional contributions in developing carbon based advanced materials for future clean energy requirements of the country.

Principal Scientist, Division of Advanced Materials and Device Metrology, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 8508; Fax: 4560 9310; Mob: 99111 76392; Email: hedap@nplindia.org

Maheshwari obtained M.Sc in 2002 from Maharshi Dayanand Saraswati University, Ajmer and PhD in 2008 from Delhi University. She joined National Physical Laboratory, New Delhi in 2007.

Awards and Honours: CSIR Young Scientist Award (2012).

2013

**PARVEEN SAINI**

Sp: Materials Science, Nanocomposites, Conjugated Polymers, Graphene Analogues, Energy Storage, Water Purification

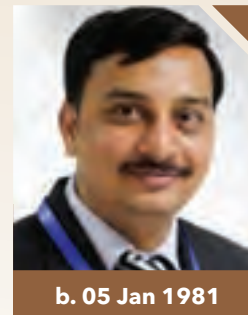
For his significant contributions related to the development of conducting polymer based EMI shielding materials, antistatic coatings and anticorrosive paints as well as fundamental contribution in the area of conjugated polymers and polymer nanocomposites.

Principal Scientist, Conjugated Polymers, Graphene Technology and Waste Management Group, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 9505 / 8627; Fax: 011 4560 9310; Mob: 98103 44856; Email: pksaini@nplindia.org, parveensaini580@gmail.com

Saini obtained B.Tech in 2002 from Delhi College of Engineering, University of Delhi and PhD in 2012 from Indian Institute of Technology, Delhi. He joined National Physical Laboratory, New Delhi in 2004.

Awards and Honours: CSIR Young Scientist Award (2013).

2014

**MANMOHAN DASS GOEL**

Sp: Blast Resistant Design of Structures, Behavior of Materials at Low, Medium and High Rate of Loadings, High Strain Rate Characterization of Foam Materials and Composites

For his original contribution in the area of "Blast Response of Structures and its Mitigation using Advanced Lightweight Materials". The research presented design and development of different innovative structural components that can be used as blast resistant structure.

Department of Applied Mechanics, Visvesvaraya National Institute of Technology, Nagpur 440 010; Tel: 0712 280 1419; Fax: 0712 220 2200; Mob: 99119 20419; Email: mdgoel@apm.vnit.ac.in, mdgoel@gmail.com

Goel obtained M.Tech in 2003 from Indian Institute of Technology, Bombay and PhD in 2013 from Indian Institute of Technology, Delhi. He served at Advanced Materials and Processes Research Institute, Bhopal from 2006 to 2014, then moved to National Environmental Engineering Research Institute, Nagpur in 2014. Later in 2016, he joined Visvesvaraya National Institute of Technology, Nagpur.

Awards and Honours: CSIR Young Scientist Award (2014).

2015



b. 1 Jan 1983

BHANU PRATAP SINGH

Sp: Carbon Nanotubes, Polymer Nanocomposites

For his outstanding contributions in developing innovative synthetic methods for carbon-based nanostructures and composites and demonstrating their potential for structural, energy and EM shielding applications in defence and aerospace sectors.

Senior Principal Scientist, Advanced Materials and Device Metrology Division, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 8426; Fax: 011 4560 9310; Mob: 99589 93367; Email: bps@nplindia.org

Singh obtained M.Tech in 2004 from Indian Institute of Technology, Kanpur and PhD in 2014 from Indian Institute of Technology, Delhi. He joined National Physical Laboratory, New Delhi in 2004.

Awards and Honours: CSIR Young Scientist Award (2015).

2016



b. 27 Mar 1981

BALASUBRAHMANYAM PESALA

Sp: Terahertz Spectroscopy and Imaging, Renewable energy

For his outstanding contributions for the development of novel smart window concept utilizing integrated photovoltaic devices for solar power harvesting and innovative designs of security features using covert Terahertz tags.

Principal Scientist, Central Electronics Engineering Research Institute, CSIR Madras Complex, Chennai 600 113; Tel: 044 2254 4589; Fax: 044 2254 2289; Mob: 90032 59364; Email: balapesala@gmail.com

Pesala obtained M.Tech in 2003 from Indian Institute of Technology Madras, Chennai and PhD in 2009 from University of California, Berkeley, USA. He joined Central Electronics Engineering Research Institute, CSIR Madras Complex, Chennai in 2010.

Awards and Honours: CSIR Young Scientist Award (2016).

2017



b. 29 June 1983

SATHRAVADA BALAJI

Sp: Photonic Glasses.

For his outstanding contribution towards developing novel extended IR transmitting low phonon oxide glass for various laser and photonic applications.

Principal Scientist, National Environmental Engineering Research Institute, Hyderabad Zonal Center, IICT Campus Hyderabad 500 007; Tel: 040 2716 0122; Fax: 033 2473 0957; Mob: 98315 76825; Email: balaji@neeri.res.in, bvhsbalaji@gmail.com

Balaji obtained his M.Sc in 2005, M.Phil in 2006 from VIT University, Vellore and PhD in 2017 from Jadavpur University, Kolkata. He joined Central Glass and Ceramic Research Institute, Kolkata in 2007. Later in 2020, he moved to National Environmental Engineering Research Institute, Hyderabad Zonal Center.

Awards and Honours: Young Scientist Award (2017).

2017



b. 24 July 1987

PROSENJIT DAS

Sp: Materials Processing and Manufacturing

For his outstanding contribution towards understanding and developing novel automotive products through semisolid processing for industrial use.

Department of Materials Engineering, Indian Institute of Science, Bengaluru 560 012; Tel: 080 2293 3776; Mob: 95315 90074, 79085 93077; Email: prosenjitdas@iisc.ac.in

Das obtained M.Tech in 2010 from Indian Institute of Technology, Roorkee and PhD in 2016 from Indian Institute of Science, Bengaluru. He served Central Mechanical Engineering Research Institute, Durgapur from 2010 to 2022. He moved to Indian Institute of Science, Bengaluru in 2022.

Awards and Honours: CSIR Young Scientist Award (2017); MRSI Young Scientist Award (2014); ISCA Young Scientist Award (2019).

2018



b. 23 Mar 1984

ABHIRAM HENS

Sp: Molecular Dynamics Simulation, CFD and Heat Transfer, Microfluidics and Nanotechnology.

For his outstanding contributions to classical molecular dynamics and computational fluid dynamics based studies of boiling, evaporation and thin film dewetting.

Department of Chemical Engineering, National Institute of Technology, Durgapur 713 209; Tel: 0343 275 4082; Fax: 0343 254 7375; Mob: 89025 06209, 89185 57795; Email: abhiram.hens@che.nitdgp.ac.in, hens.abhiram@gmail.com

Hens obtained M.Tech in 2010 from Indian Institute of Technology, Kanpur and PhD in 2016 from the Academy of Scientific and Innovation Research (AcSIR). He served Central Mechanical Engineering Research Institute, Durgapur from 2010 to 2018. Later in Dec 2018, he moved to National Institute of Technology, Durgapur.

Awards and Honours: CSIR Young Scientist Award (2018).

2018



b. 6 Jan 1987

NIRAJ KUMAR

Sp: Plasma based Electron Beam and Microwave sources and sub-THz source

For his outstanding contributions in development of a pseudo-spark based high current density electron beam and microwave source.

Principal Scientist, Microwave Devices Area, Central Electronics Engineering Research Institute Pilani 333 031; Tel: 01596 252 293 Fax: 01596 242 294; Mob: 81074 33661; Email: niraj@ceeri.res.in, niraj.ceeri@gmail.com

Kumar obtained M.Tech in 2011 and PhD in 2016 from the Academy of Scientific and Industrial Research (AcSIR). He joined Central Electronics Engineering Research Institute Pilani in 2011.

Awards and Honours: CSIR Young Scientist Award (2018).

2019



b. 11 May 1988

DIVYA AGRAWAL

Sp: Avionics and Instrumentation, Situation Awareness, Avionics Hardware and Software Development, Display Devices, System Ruggedization and Image Fusion.

For her significant contributions in developing instrumentation solutions for Situation Awareness Enhancement of Fighter Aircraft Pilots.

Principal Scientist, Department of Optical Devices and Systems, Central Scientific Instruments Organisation, Chandigarh 160 030; Tel: 0172 2651 722; Fax: 0172 2657 267; Mob: 95690 56635, Email: divyaagrawal@csio.res.in

Agrawal obtained M.Tech in 2011 and PhD in 2019 from the Academy of Scientific and Innovative Research (AcSIR). She joined Central Scientific Instruments Organisation, Chandigarh in 2011.

Awards and Honours: CSIR Young Scientist Award (2019).

2019



b. 21 Jun 1986

PRABHAT RANJAN PREM

Sp: Structural Engineering, Civil Engineering.

For his outstanding contributions in experimental and theoretical research on ultrahigh-performance concrete.

Scientist, Advanced Materials Laboratory, Structural Engineering Research Centre, Chennai 600113; Tel: 0442 254 4894; Mob: 98403 05825; Email: prabhat@serc.res.in

Prem obtained M.Tech in 2012 and PhD in 2018 from the Academy of Scientific and Innovative Research (AcSIR). He joined Structural Engineering Research Centre, Chennai in 2012.

Awards and Honours: CSIR Young Scientist Award (2019).

2020



b. 29 June 1988

INDU ELIZABETH

Sp: Anode Materials for Lithium-ion-batteries and Force Metrology

For her significant contributions in the development of Lithium-ion-batteries, designing and fabricating rechargeable solar lantern based on Lithium-ion-batteries for lighting purposes in Indian villages.

Scientist, National Aerospace Laboratories, Bengaluru 560 017; Tel: 080 2527 3351; Fax: 080 2526 0862; Mob: 82876 68820; 82876 16604; Email: induelizabeth20@gmail.com

Elizabeth obtained M.Tech in 2013 and PhD in 2018 from the Academy of Scientific and Innovative Research (AcSIR). She served National Physical Laboratory from 2018 to 2020. Later she moved to National Aerospace Laboratories, Bengaluru in Oct 2020.

Awards and Honours: CSIR Young Scientist Award (2020).

2020



b. 10 Sep 1986

MANOJ KUMAR PATEL

Sp: Advanced Instrumentation Engineering, Electronics and Communication Engineering

For his significant contributions in developing a novel Air-Assisted Electrostatic Sprayer, which has numerous societal and industrial applications.

Principal Scientist, Central Scientific Instruments Organisation, Sector 30 C, Chandigarh 160 030; Tel: 0172 2672 459/424; Mob: 78378 70819; Email: manoj_patel@csio.res.in

Patel obtained M.Tech in 2012 and PhD in 2017 from the Academy of Scientific and Innovative Research (AcSIR). He joined Central Scientific Instruments Organisation, Chandigarh in 2012.

Awards and Honours: CSIR Young Scientist Award (2020).

2021



b. 12 Jun 1989

ACHU CHANDRAN

Sp: Printed Electronic Materials and Devices,
Liquid Crystal based Optical Devices,
Functional Materials and Devices

For developing printed electronics materials and devices for strategic and societal applications.

Scientist, Materials Science and Technology Division, National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, Kerala 695 019; Tel: 047 1251 5226; Mob: 97111 96619; Email: achuchandran@niist.res.in

Chandran obtained M.Tech in 2013 and PhD in 2018 from the Academy of Scientific and Innovative Research (AcSIR). He joined National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram in 2019.

Awards and Honours: CSIR Young Scientist Award (2021).

2021



b. 5 Feb 1988

BHAVYA B KRISHNA

Sp: Chemical Engineering, Thermo-Catalytic
Conversion of Biomass

For her substantial work on devising strategies for the effective utilization of lignocellulosic biomass using thermochemical conversion processes.

Principal Scientist, Material Resource Efficiency Division, Indian Institute of Petroleum, Dehradun 248 005; Tel: 0135 2525 820; Mob: 98971 57477; Email: bhavya@iip.res.in

Bhavya obtained M.Tech in 2011 and PhD in 2015 from the Academy of Scientific and Innovative Research (AcSIR). She joined Indian Institute of Petroleum, Dehradun in 2015.

Awards and Honours: CSIR Young Scientist Award (2021).

2022



b. 1 Mar 1987

AMIT KUMAR

Sp: Solid and Thermal Mechanics, Mechanical Engineering

For his outstanding contributions in the development of generalized formalism for the wave propagation in thin structures using piezoelectric transducers.

Principal Scientist, Advance Design and Analysis Group, Central Mechanical Engineering Research Institute, Durgapur 713 209; Mob: 99321 18992; Email: amitkmrj@cmeri.res.in

Kumar obtained M.Tech in 2010 and PhD in 2020 from Indian Institute of Technology Delhi, New Delhi. He joined Central Mechanical Engineering Research Institute, Durgapur in 2010.

Awards and Honours: CSIR Young Scientist Award (2022).

2022



b. 16 Nov 1987

A MERCY LATHA

Sp: Microwave Devices and THz Systems

For her outstanding contributions in the areas of high power microwave devices and THz systems leading to applications in space technology.

Principal Scientist, Central Electronics Engineering Research Institute, CSIR Complex, Taramani, Chennai 600 113; Tel: 044 2254 1923 / 2254 2281; Mob: 94624 25887; Email: mercy@ceeri.res.in

Latha obtained M.Tech in 2011 and PhD in 2016 from the Academy of Scientific and Innovative Research (AcSIR). She joined Central Electronics Engineering Research Institute in 2011.

Awards and Honours: CSIR Young Scientist Award (2022).

The background is a light blue gradient. On the left, there is a large orange arrow pointing right. In the top right corner, there is a small orange rectangle with three white diagonal lines. At the bottom, there are two horizontal orange bars, each with three white diagonal lines at its right end.

PHYSICAL SCIENCES (INCLUDING INSTRUMENTATION)

1987



b. 11 May 1955

B JAYARAM

Sp: High Temperature Super Conductivity

For his significant contributions to the synthesis and study of superconducting materials active at high temperatures.

Jayaram was affiliated with National Physical Laboratory, New Delhi 110 012 at the time of award.

Awards and Honours: CSIR Young Scientist Award (1987).

1988



b. 02 Aug 1954

RAVI MEHROTRA

Sp: Experimental and theoretical Low Temperature Physics, Computer Simulations, Instrumentation

For his significant contributions to the study of the electron system on liquid helium surface of a continuous variable dimensionality, molecular dynamics, simulations and computer simulation study of chaos and 2-D systems. He was the first to set up the Quantum Hall Effect Experiment at NPL for primary standard of electrical resistance.

Retired Chief Scientist, National Physical Laboratory, New Delhi 110 012; Mob: 98710 56127; Email: ravimehrotra0208@gmail.com

Mehrotra obtained M.Sc in 1974 from Indian Institute of Technology, Delhi and PhD in 1981 from Case Western Reserve University, USA. He joined National Physical Laboratory, New Delhi in 1983 and retired in 2014.

Awards and Honours: INSA Young Scientist Award (1986), CSIR Young Scientist Award (1988); DST Lockheed Martin Gold Medal (2012).

1989



b. 1 Sept 1954

JAYANTA KAR

Sp: Space Physics, Astrophysics, Atmospheric Physics.

For his significant contributions in the area of planetary atmospheres, particularly on the ionosphere of Venus. These include detection of solar flare effects, confirmation of the continuous mode for generation of ionospheric magnetic fields and solar wind heating of the neutral atmosphere.

Kar was affiliated with at National Physical Laboratory, New Delhi 110 012.

Kar obtained M.Sc in 1978 and PhD in 1983 from University of Delhi. He joined National Physical Laboratory, New Delhi in 1983.

Awards and Honours: CSIR Young Scientist Award (1989).

1989



b. 14 May 1954

V SHUBHA

Sp: High Pressure Physics, Electronic instrumentation, Solid State Physics.

For her significant contributions in the area of electronic phase transitions in rare earth metals, alloys, rare earth chalcogenides, metallic glasses and narrow band gap semiconductors under high pressure and temperature conditions. These studies have led to design and development of several high pressure techniques and associated instrumentation.

Retired Distinguished Scientist, National Aerospace Laboratories, Bengaluru 560 017; Mob: 93412 34925; Email: vshubha_nal@rediffmail.com, vshubhanal@gmail.com

Shubha obtained M.Sc in 1974 from Bangalore University and PhD in 1981 from Mysore University. She joined National Aerospace Laboratories, Bengaluru in 1982.

Awards and Honours: CSIR Young Scientist Award (1989).

1990



b. 16 Nov 1954

HEM CHANDRA KANDPAL

FNASc

Sp: Spectroscopy, Radiometry, Quantum Optics

For his carefully controlled experiments that the Wolf effect is responsible for the considerable dispersion that exists in the spectro-radiometric standards maintained by national laboratories in different countries. The source of these discrepancies has been argued about for many years, but it is only now that the problem has been resolved through the work of Dr Kandpal. This is an extremely significant contribution to standards and metrology.

Retired Chief Scientist, National Physical Laboratory, New Delhi 110 012; Mob: 98992 06610 Email: hckandpal54@gmail.com

Kandpal obtained M.Sc in 1975 and PhD in 1980 from Kumaun University, Nainital. He joined National Physical Laboratory, New Delhi in 1983 and retired in 2014.

Awards and Honours: CSIR Young Scientist Award (1990).

1991



b. 16 May 1958

NEERAJ KHARE

FNASc

Sp: Super Conductivity, Magnetism Nano Functional Oxide

For his contributions to the development of dc and rf squids of high Tc materials such as Bi-Sr-Ca-Cu-O, and thick films of these materials.

Department of Physics, Indian Institute of Technology Delhi, New Delhi 110 016; Tel: 011 2659 1352, 2659 1640; Mob: 98111 10334; Email: nkhare@physics.iitd.ac.in

Khare obtained M.Sc in 1979 from Allahabad University, Allahabad and PhD in 1986 from Banaras Hindu University, Varanasi. He served National Physical Laboratory from 1988 to 2005. Later in Oct 2005, he moved to Indian Institute of Technology Delhi, New Delhi.

Awards and Honours: ISCA Young Scientist Award (1983); CSIR Young Scientist Award (1991); MRSI Medal (1998); Rajib Goyal Prize for Young Scientist (2002).

1992



b. 9 Sept 1958

VIJAY NARAIN OJHA

Sp: Semiconductor, Low and high Tc Superconductors, Thin Films, Vacuum Technology, Temperature Standard, Time & Frequency and Electrical & Electronics Metrology, Nanometrology, Environmental and Biomedical Metrology

For his contributions to the development of SQUIDs using high-Tc superconductors. He has also fabricated low-Tc Josephson series arrays towards new voltage standards.

Retired Chief Scientist, National Physical Laboratory, New Delhi 110 012; Mob: 99589 93385; Email: vnojha@yahoo.com

Ojha obtained M.Sc in 1979 from Rajasthan University, M.Phil in 1981 and PhD in 1987 from University of Delhi. He joined National Physical Laboratory, New Delhi in 1982 and retired in 2018.

Awards and Honours: CSIR Young Scientist Award (1992); URSI Young Scientist Award (1993).

1992



b. 9 Jun 1957

S M SHIVAPRASAD

Sp: Surface Science, Epitaxial Films, Nanostructures, III-Nitride.

For using surface analytical techniques and elucidating at atomistic level the dynamics and kinetics of nucleation and growth of ultrathin films.

Director, Karnataka State Higher Education Academy, Dharwad 580 003; Tel: 0836 2978580; Email: smsprasad@jncasr.ac.in

Shivaprasad obtained M.Sc in 1979 and PhD in 1982 from Karnatak University, Dharwad. He served at National Physical Laboratory, New Delhi from 1985 to 2007. Later in 2007, he moved to Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru. He was appointed as Director of Karnataka State Higher Education Academy in 2017.

Awards and Honours: CSIR Young Scientist Award (1992); MRSI Medal (2006).

1993



b. 16 Sept 1959

AJAY DHAR

Sp: Powder Metallurgy, Liquid Metallurgy, Metals Matrix Composites, Superhard Ceramics, Magnetic NDE.

For developing some super-hard materials and the use of Barkhausen noise for the non-destructive measurement of magnetic anisotropy.

Director, Academy of Scientific and Innovation Research, HRDC Campus, Ghaziabad 201 002; Tel: 120 278 3009; Mob: 9899876476; Email: adhar@acsir.res.in

Dhar obtained M.Sc in 1980 and PhD in 1987 from University of Delhi. He served at National Physical Laboratory, New Delhi from 1982 to 2018. Later in July 2018, he moved to Academy of Scientific and Innovation Research (AcSIR), HRDC Campus, Ghaziabad.

Awards and Honours: CSIR Young Scientist Award (1993).

1993



b. 10 Jun 1959

MURALI SASTRY

FASc, SSB

Sp: Surface Physics, Hybrid Materials and Nano Materials.

For his contributions towards the characterization of Langmuir Blodgett films using photoelectron spectroscopy.

Departments of Materials Science, Engineering, Chemical and Biological Engineering, Monash University Australia; Mob: +614445 26278; Email: murali.sastry@iitbmonash.org, murali.sastry@monash.edu

Sastry obtained M.Sc in 1982 and PhD from Indian Institute of Technology Madras, Chennai in 1987. He joined National Chemical Laboratory, Pune in 1991 and then moved to TATA Chemicals as Chief Innovation Officer in 2005. He served as CEO, Indian Institute of Technology Bombay Monash Research Academy, Mumbai from 2015 to 2020. Later he moved to Monash University Australia.

Awards and Honours: CSIR Young Scientist Award (1993); SS Bhatnagar Prize (2002).

1994: No Award

1995

b. 30 Jun 1962

PRAMOD KUMAR KHANNA

Sp: Thick-Film Resistor; Interconnection Technology, LTCC and Advanced Packaging

For his innovation in the development of thick film hybrid circuits.

Retired Chief Scientist, Central Electronics Engineering Research Institute, Pilani 333 031; Tel: 01596 245 020; Fax: 01596 242 294; Mob: 98293 31122; Email: pkk@ceeri.res.in, prdkn@yahoo.com

Khanna obtained M.Sc in 1983 from Lucknow University and PhD in 1989 from University of Rajasthan, Jaipur. He joined Central Electronics Engineering Research Institute, Pilani in 1988 and retired in 2022.

Awards and Honours: CSIR Young Scientist Award (1995); NRDC Joint Invention Award (1990).

1995

b. 12 May 1963

RINA SHARMA

Sp: Nanoscale Measurements, Nanometrology, Physico-Mechanical Metrology

For her innovative modification of Moire's technique for Wafer-mask alignment of very high accuracy.

Chief Scientist, Physico-Mechanical Metrology Division, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 9490; Fax: 011 4560 9310; Email: rina@nplindia.org

Sharma obtained M.Tech in 1985 and PhD in 1992 from Indian Institute of Technology Delhi. She joined National Physical Laboratory, New Delhi in 1993.

Awards and Honours: CSIR Young Scientist Award (1995).

1996: No Award

1997



b. 7 Mar 1963

SNEHASHISH CHAKRAVERTY

Sp: Numerical Analysis, Differential Equations, Mathematical Modeling, Artificial Neural Network, Fuzzy and Interval Computations.

For his sustained work on the vibration characteristics of plates of different shapes using orthogonal polynomials.

Department of Mathematics, National Institute of Technology Rourkela 769 008; Tel: 0661 246 2713; Fax: 0661 247 2926; Email: chakravertys@nitrkl.ac.in, sne_chak@yahoo.com

Chakraverty obtained M.Sc in 1987, M.Phil in 1988 and PhD in 1992 from Indian Institute of Technology Roorkee. He served at Central Building Research Institute, Roorkee from 1989 to 2008. Later in Dec 2008, he moved to National Institute of Technology, Rourkela.

Awards and Honours: CSIR Young Scientist Award (1997).

1997



b. 28 Dec 1962

RANJAN KOTHARI

Sp: Material Science, Condensed Matter

For developing the technology of making activated carbon cloth and assisted in the up scaling of the process for its industrial exploitation.

Kothari was affiliated with National Physical Laboratory, New Delhi 110 012 at the time of award.

Awards and Honours: CSIR Young Scientist Award (1997).

1998, 1999: No Award

2000



b. 24 Mar 1969

HARISH C BARSHILIA

Sp: Nanoscience, Nanotechnology, Solar Energy, Surface Engineering, Optical Coatings

For carrying out extensive experimental investigations on the diamond like coatings and nano-composites made through a microwave plasma route, bringing out the effect of chemical species in the plasma on the microstructure of the films so prepared.

Chief Scientist, National Aerospace Laboratories, Bengaluru 560 017. Tel: 080 2508 6248; Fax: 080 2521 0113; Email: harish@nal.res.in

Barshilia obtained M.Tech in 1993 and PhD in 1997 from Indian Institute of Technology Delhi, New Delhi. He joined National Aerospace Laboratories, Bengaluru in 1999.

Awards and Honours: CSIR Young Scientist Award (2000), MRSI Medal (2011).

2001



b. . 24 Nov 1966

DIPTEN BHATTACHARYA

Sp: Condensed Matter Physics

For his important contributions to the study of the properties and fabrication of granular high Tc superconductors.

Senior Principal Scientist, Advanced Mechanical and Materials Characterization Division, Central Glass and Ceramic Research Institute, Kolkata 700 032; Tel: 033 2473 3469; Fax: 033 2473 0957; Email: dipten@cgcri.res.in

Bhattacharya obtained M.Tech in 1990 from Indian Institute of Technology Kharagpur and PhD in 1997 from Jadavpur University, Kolkata. He served at National Physical Laboratory, New Delhi from 1997 to 2000. Later in 2001, he moved to Central Glass and Ceramic Research Institute, Kolkata.

Awards and Honours: CSIR Young Scientist Award (2001).

2001



b. 30 Apr 1967

NITA DILAWAR

Sp: Physico-Mechanical Metrology

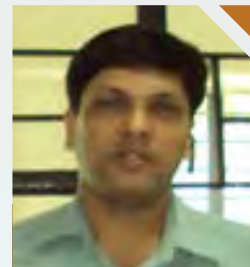
For developing an innovative way to fabricate carbon films and for contributions to high pressure Raman spectroscopy.

Chief Scientist, Physico-Mechanical Metrology Division, National Physical Laboratory, New Delhi 110 012; Tel: 011 4709 1207; Fax: 011 4560 9310; Email: ndilawar@nplindia.org

Dilawar obtained M.Tech in 1993 and PhD in 1997 from Indian Institute of Technology Delhi, New Delhi. She joined National Physical Laboratory, New Delhi in 1997.

Awards and Honours: CSIR Young Scientist Award (2001); Asia Pacific Metrology Program (APMP) Lizuka Young Scientist Award (2004).

2003



b. 05 Sep 1968

SUSHIL KUMAR

Sp: Amorphous and Micro/Nano Crystalline Silicon, Thin films, Solar Cells, Plasma Processing of Materials, CVD Systems

For his innovative contributions to the process and instrumentation of plasma enhanced chemical vapor deposition and has grown low stress Diamond Like Carbon films. He contributed to the understanding of localization and density of π and π^* states in carbon based materials such as hydrogenated amorphous carbon and carbon nitride.

Chief Scientist, Physics of Energy Harvesting Division, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 8650; Fax: 011 4560 9310; Email: skumar@nplindia.org

Kumar obtained M.Sc in 1991 and PhD in 1997 from Banaras Hindu University, Varanasi. He joined National Physical Laboratory, New Delhi in 2000.

Awards and Honours: CSIR Young Scientist Award (2003).

2002: No Award

2004

b. 29 Dec 1971

DIVI HARANATH

Sp: Photonic Materials, Nanomaterials Luminescence, Mesoporous Materials sol-gel Technology, Material Science

For his research on silica aerogels. His work on hydrophobic aerogels has potential for application. His research and developmental work on long afterglow phosphors is of significant industrial importance.

Department of Physics, National Institute of Technology, Warangal 506 004; Tel: 0870 245 9191; Fax: 0870 245 9547; Mob: 99581 01115, 76782 48149; Email: haranath@nitw.ac.in, haranathnitw@gmail.com

Haranath obtained M.Sc in 1994 from Kakatiya University, Telangana and PhD in 1999 from Shivaji University, Maharashtra. He served at National Physical Laboratory, New Delhi from 2000 to 2018. Later in 2018, he moved to National Institute of Technology, Warangal.

Awards and Honours: CSIR Young Scientist Award (2004).

2007

b. 10 Jun 1976

NARAYANASAMY VIJAYAN

Sp: Crystal Growth Nanomaterials Thermoelectrics, Indian Reference Materials Characterization of Materials

For his contributions to the growth and characterization of larger size single crystals of non-linear optical materials which have the potential of being used to make novel devices.

Senior Principal Scientist, Indian Reference Materials Division, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 8263, 4560 9371; Mob: 98683 89634, 72920 43343; Fax: 011 4560 9310; E-mail: nvijayan@nplindia.org, vjnphy@yahoo.com

Vijayan received M.Sc in 1998 from Bharathidasan University, Trichy and PhD in 2005 from Anna University, Chennai. He joined National Physical Laboratory, New Delhi in 2004.

Awards and Honours: Young Scientist Award (2007).

2005, 2006: No Award

2008



PANKAJ PODDAR

Sp: Biosynthesis, Materials Chemistry, Nanoparticles of Biomolecules, Nanotechnology Soft Condensed Matter Physics

For his excellent work on biosynthesis of magnetic and ferroelectric nanoparticles.

b. 13 May 1974

Principal Scientist, Physical and Materials Chemistry Division, National Chemical Laboratory, Pune 411 008; Tel: 020 2590 2580; Fax: 020 2590 2636; Mob: 98235 63766; Email: p.poddar@ncl.res.in, ppoddar@gmail.com

Poddar obtained M.Sc in 1995 from University of Rajasthan and PhD in 2000 from Jawaharlal Nehru University, New Delhi. He joined National Chemical Laboratory, Pune in 2005.

Awards and Honours: CSIR Young Scientist Award (2008); MRSI Medal (2014).

2009



DEBI PRASAD DAS

Sp: Signal Processing, Machine Learning, Industrial Instrumentation, Embedded System Design

For his significant contributions to active noise control by means of efficient algorithms, in particular, the work on fast multi-channel FSLMS algorithms. His work on underground coalmine communication systems is also commendable.

b. 14 May 1977

Senior Principal Scientist, Institute of Minerals and Materials Technology, Bhubaneswar 751 013; Tel: 0674 237 9361; Fax: 0674 256 7160; Mob: 97774 31311; Email: dpdasimmt@gmail.com, dpdas@immt.res.in

Das obtained M.Sc in 1998 from Sambalpur University, Orissa and PhD in 2004 from National Institute of Technology, Rourkela. He served at Central Electronics Engineering Research Institute, Pilani from 2005 to 2008. Later in 2008, he moved to Institute of Minerals and Materials Technology, Bhubaneswar.

Awards and Honours: Orissa Young Scientist Award (2004); CSIR Young Scientist Award (2009).

2010, 2011: No Award

2012



b. 28 Jul 1980

POONAM ARORA

Sp: Optics, Photonics, Time and Frequency Metrology

For her contributions to the Cesium Fountain Frequency Standard bringing together a variety of scientific and technological skills in a unique effort in the country.

Principal Scientist, Indian Standard Time Division, National Physical Laboratory, New Delhi 110 012; Tel: 011 4709 1569, 011 4560 8343; Fax: 011 4560 8343; Mob: 987150 0448; Email: arorap@nplindia.org

Arora obtained M.Tech in 2004 from Indian Institute of Technology Delhi, New Delhi and PhD in 2007 from TU Darmstadt, Germany. She joined National Physical Laboratory, New Delhi in 2009.

Awards and Honours: CSIR Young Scientist Award (2012).

2012



b. 14 Jan 1977

UMESH KUMAR TIWARI

Sp: Fiber Optic Sensors, Bio-Photonics, Opto Electronics

For his innovative and significant contributions in the area of fiber based sensors particularly in developing fiber grating sensors for novel applications in industrial and medical areas.

Principal Scientist, Micro and Nano Optics Center, Central Scientific Instruments Organisation, Chandigarh 160 030; Tel: 0172 267 2282; Fax: 0172 265 7267; Mob: 94176 85208; Email: umeshtiwari@csio.res.in, uktiwari_2003@yahoo.co.in

Tiwari obtained M.Tech in 2004 from Shri Govindram Seksaria Institute of Technology and Science, Indore and PhD in 2014 from Indian Institute of Technology Delhi, New Delhi. He joined Central Scientific Instruments Organisation, Chandigarh in 2008.

Awards and Honours: CSIR Young Scientist Award (2012).

2013



b. 3 Apr 1978

SANJAY KUMAR SRIVASTAVA

Sp: Silicon Solar Photovoltaics, PV Metrology, Carbon Nanomaterials

For developing simple processes for large area fabrication of silicon nanowires and nano-scale textured silicon with very low surface reflectivity towards realization of efficient solar cells.

Principal Scientist, Photo Voltaic Metrology Section, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 8617; Fax: 011 4560 9310; Mob: 99683 91602; Email: srivassk@nplindia.org, skrivastava78@gmail.com

Srivastava obtained M.Sc in 1999 from Banaras Hindu University, Varanasi, M.Tech in 2001 from Indian Institute of Technology Bombay, Mumbai and PhD in 2007 from Indian Institute of Technology Delhi, New Delhi. He joined National Physical Laboratory, New Delhi in 2007.

Awards and Honours: CSIR Young Scientist Award (2013).

2014



b. 15 May 1980

N SELVAKUMAR

Sp: Nanostructured Solar Selective Coating, Carbon Nanotubes, Graphene

For his outstanding contributions in preparation and characterization of solar selective coatings using novel materials.

Principal Scientist, Surface Engineering Division, National Aerospace Laboratories, Bengaluru 560 017; Tel: 080 2508 6460; Fax: 080 2522 0392; Mob: 90085 77855; Email: selvakumar@nal.res.in

Selvakumar obtained his M.Sc in 2003 from Thiagarajar College of Engineering, Madurai and PhD from Indian Institute of Science, Bengaluru. He joined National Aerospace Laboratories, Bengaluru in 2008.

Awards and Honours: CSIR Young Scientist Award (2014).

2014



b. 6 Aug 1980

VED VARUN AGRAWAL

Sp: Instrumentation Nanoscience, Biomedical Instrumentation, Microfluidics, Lithography

For his outstanding contributions to the development of biosensors for the detection of total cholesterol and food toxins.

Principal Scientist, Biomedical Instrumentation Section, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 9489; Fax: 011 4560 9310; Mob: 99109 40570; Email: vedvarun@nplindia.org, ved.varun@gmail.com

Agrawal obtained his M.Sc in 2002 from Indian Institute of Technology Delhi, New Delhi and PhD in 2008 from Jawaharlal Nehru Center for Advance Scientific Research, Bengaluru. He joined National Physical Laboratory, New Delhi in 2009.

Awards and Honours: CSIR Young Scientist Award (2014).

2015



b. 17 Oct 1979

SUBHADEEP DE

Sp: Laser Cooling and Trapping of Neutral Atoms / ions

For his outstanding contributions in laying a solid foundation for the creation of the first optical ion clock in India through innovative design and technology. His work is exemplary towards development of the next generation time-standard and quantum communication.

Inter-University Centre for Astronomy and Astrophysics, Pune 411007; Tel: 20 2560 4217; Mob: 88601 79175 Email: subhadeep@iucaa.in, sde.subhadeep@gmail.com

De obtained M.Sc in 2003 from Indian Institute of Technology, Kharagpur and PhD in 2008 from University of Groningen, Netherlands. He served at National Physical Laboratory, New Delhi from 2012 to 2019. Later in Dec 2019, he moved to Inter-University Centre for Astronomy and Astrophysics, Pune.

Awards and Honours: CSIR Young Scientist Award (2015).

2015



b. 5 Jul 1980

UDIT NARAYAN PAL

Sp: Plasma Science and Technology

For his outstanding contributions to conceptualize, build VUV/UV light source, an economical mercury free green technology for water purification need of the country, and also for developing state-of-the-art plasma devices for strategic and industrial applications.

Senior Principal Scientist, Microwave Devices Division, Central Electronics Engineering Research Institute, Pilani 333 031; Tel: 015 9625 2224; Fax: 015 9624 2294; Mob: 97729 75628; Email: udit@ceeri.res.in, paludit@gmail.com

Pal obtained M.Tech in 2006 from Indian Institute of Technology, Banaras Hindu University, Varanasi and PhD in 2014 from Birla Institute of Technology, Ranchi. He joined Central Electronics Engineering Research Institute, Pilani in 2005.

Awards and Honours: CSIR Young Scientist Award (2015).

2016



b. 29 Jun 1981

PANKAJ KUMAR

Sp: Organic Solar Cells

For his outstanding contributions in the area of organic photovoltaic devices, in particular towards device modeling and improvement of their stability using novel encapsulation schemes.

Principal Scientist, Advanced Materials and Devices Metrology Division, National Physical Laboratory, New Delhi 110 012; Tel: 011 4560 8635; Fax: 011 4560 9310; Mob: 98687 88370; Email: pankaj@nplindia.org

Kumar obtained M.Sc in 2003 from Ch. Charan Singh University, Meerut and PhD in 2010 from University of Delhi, Delhi. He joined National Physical Laboratory, New Delhi in 2006.

Awards and Honours: CSIR Young Scientist Award (2016).

2017

b. 27 Dec 1982

AMIT LADDI

Sp: Electronics, Instrumentation, Machine Vision, Soft Computing

For his important contributions on the development of novel drive control systems for mobility carts for people with motor disability; based on minimal physical inputs like finger, facial features or head gestures.

Principal Scientist, Biomedical Instrumentation, Central Scientific Instruments Organisation, Chandigarh 160 030;
Tel: 0172 267 2203; Fax: 0172 265 7267; Mob: 98784 95624;
Email: amitladdi@csio.res.in

Laddi obtained ME in 2012 and PhD in 2019 from Punjab Engineering College, Chandigarh. He joined Central Scientific Instruments Organisation, Chandigarh in 2006.

Awards and Honours: CSIR Young Scientist Award (2017).

2019

b. 8 Mar 1987

SHIKHA

Sp: Sensors, Instrumentation

For developing a novel device for guided tissue traversal during surgical procedures, used for facilitating insertion of needle and its position evaluation.

Senior Scientist, Robotics and Automation Division, Central Mechanical Engineering Research Institute, Durgapur 713 209; Tel: 343 254 8204; Mob: 94751 29897; Email: shikha@cmeri.res.in

Shikha obtained M.Tech in 2010 from Indian Institute of Technology, Roorkee and PhD in 2017 from Indian Institute of Science, Bengaluru. She joined Central Mechanical Engineering Research Institute, Durgapur in 2010.

Awards and Honours: CSIR Young Scientist Award (2019).

2018: No Award

2020



b. 7 Jan 1985

MANOJ KUMAR GUPTA

Sp: Nanoscale Composite Materials, Nanostructures
Functional Materials, Energy Harvesting

For his important contributions for developing novel and innovative piezoelectric, pyroelectric and triboelectric nanogenerators as a new class of renewable energy devices. He also developed electrical insulating composite sheets from industrial inorganic waste.

Scientist, Advanced Construction Materials Division,
Advanced Materials and Processes Research Institute,
Bhopal 462 026; Tel : 0755 2489402; Mob : 99773 60351;
Email: mkgupta@ampri.res.in

Gupta obtained M.Sc in 2006 from Deen Dayal Upadhyaya
Gorakhpur University and PhD in 2012 from University of Delhi.
He joined the Advanced Materials and Processes Research
Institute, Bhopal in 2017.

Awards and Honours: CSIR Young Scientist Award (2020).

2022



b. 25 Oct 1986

NAGA VARA APARNA AKULA

Sp: Electronics and Computer Engineering

For the development and advancement of intelligent sensing systems, which have significant strategic and socioeconomic implications.

Principal Scientist, Center of Excellence for Intellegent Sensors
and Systems, Central Scientific Instruments Organisation,
Chandigarh 160 030 ; Tel : 0172 1672 347; Mob : 95692
13045; Email: aparna.akula@csio.res.in

Akula obtained M.Tech in 2011 and PhD in 2019 from Academy
of Scientific and Innovative Research (AcSIR). She joined
Central Scientific Instruments Organisation, Chandigarh in
2011.

Awards and Honours: CSIR Young Scientist Award (2022).

2021: No Award

2022



b. 11 Feb 1987

VISHANT

Sp: Microwave Devices

For his outstanding contributions to the field of gyrotron and sub-THz radiation source.

Principal Scientist, Gyrotron Lab, Vacuum Electron Device Design Group, Central Electronics Engineering Research Institute, Pilani 333 031; Mob : 95715 52658; Email: vishant@ceeri.res.in, vishantdwivedi11@gmail.com

Vishant obtained M.Tech in 2011 and PhD in 2019 from the Academy of Scientific and Innovative Research (AcSIR). He joined Central Electronics Engineering Research Institute, Pilani in 2011.

Awards and Honours: CSIR Young Scientist Award (2022).

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	Earth, Atmosphere, Ocean and Planetary Sciences	Syed Wajih Ahmad Naqvi	50
	Engineering Sciences	K Ravindranath	72
	Physical Sciences	B Jayaram	100
1988	Biological Sciences	Anand Akhila	2
	Biological Sciences	Ramakrishnan Nagaraj	3
	Chemical Sciences	Ganesh Prasad Pandey	25
	Earth, Atmosphere, Ocean and Planetary Sciences	Maripi Dileep Kumar	50
	Earth, Atmosphere, Ocean and Planetary Sciences	Shyam Sundar Rai	51
	Engineering Sciences	Ashok Joshi	72
	Physical Sciences	Ravi Mehrotra	100
1989	Biological Sciences	Ghanshyam Swarup	4
	Biological Sciences	Girja Shanker Shukla	3
	Chemical Sciences	Komandur V R Chary	26
	Chemical Sciences	Sourav Pal	26
	Earth, Atmosphere, Ocean and Planetary Sciences	Pijush Pal Roy	52
	Earth, Atmosphere, Ocean and Planetary Sciences	Rajiv Nigam	51
	Engineering Sciences	Alok Kumar Saxena	73
	Engineering Sciences	Devendra Deo Narain Singh	73
	Physical Sciences	Jayanta Kar	101
	Physical Sciences	V Shubha	101
1990	Biological Sciences	Babu Lal Tekwani	5
	Biological Sciences	Laxmi Narain Misra	4
	Chemical Sciences	Benjaram Mahipal Reddy	27
	Earth, Atmosphere, Ocean and Planetary Sciences	Venigalla Purnachandra Rao	52
	Physical Sciences	Hem Chandra Kandpal	102

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Year	Discipline	Name	Page
1991	Biological Sciences	Amitabha Mukhopadhyay	6
	Biological Sciences	Rukhsana Chowdhury	5
	Chemical Sciences	Ahmed Kamal	27
	Chemical Sciences	Tushar Kanti Chakraborty	28
	Engineering Sciences	Amitabha Kumar	74
	Physical Sciences	Neeraj Khare	102
1992	Biological Sciences	Mohammed Islam Khan	6
	Biological Sciences	Yogendra Sharma	7
	Chemical Sciences	Gangavaram V Madhava Sharma	28
	Earth, Atmosphere, Ocean and Planetary Sciences	Bishwajit Chakraborty	53
	Earth, Atmosphere, Ocean and Planetary Sciences	V Ramaswamy	53
	Engineering Sciences	Subrata Chattopadhyay	74
	Engineering Sciences	Vivek Vinayak Ranade	75
	Physical Sciences	S M Shivaprasad	103
	Physical Sciences	Vijay Narain Ojha	103
1993	Biological Sciences	Rajendra Singh Sangwan	7
	Chemical Sciences	Rukhsana Ilyas Kureshy	29
	Chemical Sciences	Subhash Prataprao Chavan	29
	Engineering Sciences	Ashish Kumar Gondal	75
	Engineering Sciences	B P Naganarayana	76
	Physical Sciences	Ajay Dhar	104
	Physical Sciences	Murali Sastry	104
1994	Chemical Sciences	Sujit Roy	30
	Earth, Atmosphere, Ocean and Planetary Sciences	Sridhar D Iyer	54
	Engineering Sciences	Debtosh Kundu	76
1995	Chemical Sciences	Manobjyoti Bordoloi	30
	Earth, Atmosphere, Ocean and Planetary Sciences	Chakravadhanula Manikyamba	54
	Earth, Atmosphere, Ocean and Planetary Sciences	Kirti Srivastava	55
	Engineering Sciences	Siddhartha Bandyopadhyay	77

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1995	Engineering Sciences	Srinivasan Srikanth	77
	Physical Sciences	Pramod Kumar Khanna	105
	Physical Sciences	Rina Sharma	105
1996	Biological Sciences	Vinod Bhakuni	8
	Chemical Sciences	Rajadas Jayakumar	31
	Earth, Atmosphere, Ocean and Planetary Sciences	Ajai Manglik	55
	Engineering Sciences	Ashish Kishore Lele	78
1997	Biological Sciences	Neena Goyal	8
	Chemical Sciences	Srivari Chandrasekhar	31
	Engineering Sciences	Indranil Chattoraj	78
	Physical Sciences	Ranjan Kothari	106
1998	Physical Sciences	Snehashish Chakraverty	106
	Chemical Sciences	Sengodagounder Muthusamy	32
	Chemical Sciences	Srinivasan Kannan	32
1999	Earth, Atmosphere, Ocean and Planetary Sciences	Kalachand Sain	56
	Engineering Sciences	Arvind Sinha	79
	Biological Sciences	Alok Dhawan	9
	Engineering Sciences	K Yamuna Rani	80
2000	Engineering Sciences	Suman Kumari Mishra	79
	Biological Sciences	Ajit Kumar Shasany	10
	Biological Sciences	Purnananda Guptasarma	9
	Earth, Atmosphere, Ocean and Planetary Sciences	Prantik Mandal	56
2001	Engineering Sciences	Kanai Lal Sahoo	80
	Physical Sciences	Harish C Barshilia	107
	Biological Sciences	Mitali Mukerji	11
	Biological Sciences	Saman Habib	10
2001	Earth, Atmosphere, Ocean and Planetary Sciences	Vineet Kumar Gahalaut	57
	Engineering Sciences	Abhay Anant Pashilkar	81
	Engineering Sciences	Navin Kumar Rastogi	81

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2001	Physical Sciences	Dipten Bhattacharya	107
	Physical Sciences	Nita Dilawar	108
2002	Earth, Atmosphere, Ocean and Planetary Sciences	Shankar Doraiswamy	58
	Earth, Atmosphere, Ocean and Planetary Sciences	Vishnubhotla Chakravarthi	57
	Engineering Sciences	Kamala Kanta Sahu	82
	Engineering Sciences	Manoj Thankappan Nair	82
2003	Biological Sciences	Taruna Madan Gupta	11
	Chemical Sciences	Chepuri Venkata Ramana	33
	Earth, Atmosphere, Ocean and Planetary Sciences	Virendra Mani Tiwari	58
	Engineering Sciences	John Loui Porathur	83
	Engineering Sciences	Upendra Natarajan	83
2004	Physical Sciences	Sushil Kumar	108
	Biological Sciences	Debasis Dash	12
	Chemical Sciences	Pradyut Ghosh	33
	Earth, Atmosphere, Ocean and Planetary Sciences	Bibhuranjan Nayak	59
	Earth, Atmosphere, Ocean and Planetary Sciences	Umesh Chandra Kulshrestha	59
	Engineering Sciences	Kalarical Janardhanan Sreeram	84
2005	Physical Sciences	Divi Haranath	109
	Chemical Sciences	Anup Kumar Mishra	34
	Earth, Atmosphere, Ocean and Planetary Sciences	Mangesh Uttam Gauns	60
2006	Engineering Sciences	Guruswamy Kumarasyamy	84
	Biological Sciences	Mohammad Sohail Akhtar	12
	Chemical Sciences	Rajkumar Banerjee	34
	Chemical Sciences	Srinivas Hotha	35
	Earth, Atmosphere, Ocean and Planetary Sciences	Prakash Kumar	61
	Earth, Atmosphere, Ocean and Planetary Sciences	Sandip Kumar Mukhopadhyay	60
	Engineering Sciences	P Thanikaivelan	85
2007	Chemical Sciences	Manickam Jayakannan	35
	Chemical Sciences	Souvik Maiti	36

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Year	Discipline	Name	Page
2007	Engineering Sciences	Rabibrata Mukherjee	85
	Engineering Sciences	Sundergopal Sridhar	86
	Physical Sciences	Narayanasamy Vijayan	109
2008	Biological Sciences	Beena Ramakrishna Pillai	13
	Chemical Sciences	Melepurath Deepa	37
	Chemical Sciences	Subhash Ghosh	36
	Earth, Atmosphere, Ocean and Planetary Sciences	Simanchal Padhy	62
	Earth, Atmosphere, Ocean and Planetary Sciences	Lidita Dilip Sinai Khandeparker	61
	Engineering Sciences	Ranjan K Shau	87
	Engineering Sciences	Satyajit Vishnu Shukla	86
	Physical Sciences	Pankaj Poddar	110
2009	Biological Sciences	Fayaz Ahmad Malik	13
	Chemical Sciences	Srihari Pabbaraja	37
	Earth, Atmosphere, Ocean and Planetary Sciences	K V Ramesh	62
	Earth, Atmosphere, Ocean and Planetary Sciences	Nimisha Vedanti	63
	Engineering Sciences	Balaraman Madhan	87
	Physical Sciences	Debi Prasad Das	110
2010	Biological Sciences	M Mohammed Idris	14
	Biological Sciences	Sudesh Kumar Yadav	14
	Chemical Sciences	Kamalesh Prasad	38
	Earth, Atmosphere, Ocean and Planetary Sciences	Ravi Prakash Srivastava	63
	Earth, Atmosphere, Ocean and Planetary Sciences	Samir Ravikant Damare	64
	Engineering Sciences	Sanjay Pandurang Kamble	88
	Engineering Sciences	Saptarshi Sasmal	88
2011	Chemical Sciences	Bikash Kumar Jena	38
	Chemical Sciences	Dattatraya Hanumant Dethe	39
	Chemical Sciences	Rahul Banerjee	39
	Earth, Atmosphere, Ocean and Planetary Sciences	Arun Singh	64
	Earth, Atmosphere, Ocean and Planetary Sciences	Rajeev Saraswat	65

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Year	Discipline	Name	Page
2011	Engineering Sciences	Amol Arvindrao Kulkarni	89
	Engineering Sciences	Kaushik Biswas	89
2012	Biological Sciences	Avinash Mishra	15
	Biological Sciences	Vinod Scaria	15
	Chemical Sciences	Dipti Prakasini Das	40
	Chemical Sciences	N Lakshminarasimhan	40
	Earth, Atmosphere, Ocean and Planetary Sciences	Pawan Dewangan	65
	Earth, Atmosphere, Ocean and Planetary Sciences	Reginald Ebhin Masto	66
	Engineering Sciences	Mugdha Chetan Gadgil	90
	Engineering Sciences	Priyanka Heda Maheshwari	90
	Physical Sciences	Poonam Arora	111
	Physical Sciences	Umesh Kumar Tiwari	111
2013	Biological Sciences	Arun Kumar Trivedi	16
	Chemical Sciences	Santoshkumar D Bhat	41
	Chemical Sciences	Yatendra Singh Chaudhary	41
	Earth, Atmosphere, Ocean and Planetary Sciences	Maheswar Ojha	66
	Engineering Sciences	Parveen Saini	91
	Physical Sciences	Sanjay Kumar Srivastava	112
	2014	Biological Sciences	Rajender Singh
Biological Sciences		Vivek T Natarajan	17
Chemical Sciences		Parvinder Pal Singh	42
Chemical Sciences		V Ganesh	42
Earth, Atmosphere, Ocean and Planetary Sciences		Sumit Kumar Mishra	67
Engineering Sciences		Manmohan Dass Goel	91
Physical Sciences		N Selvakumar	112
Physical Sciences		Ved Varun Agrawal	113
2015	Biological Sciences	Mohammed Faruq	17
	Biological Sciences	Sumit Ghosh	18
	Chemical Sciences	Bhahwal Ali Shah	43

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Year	Discipline	Name	Page
2015	Engineering Sciences	Bhanu Pratap Singh	92
	Physical Sciences	Subhadeep De	113
	Physical Sciences	Udit Narayan Pal	114
2016	Biological Sciences	Umakanta Subudhi	18
	Chemical Sciences	R V Lakshmi	43
	Chemical Sciences	Sandip B Bharate	44
	Earth, Atmosphere, Ocean and Planetary Sciences	V Rakesh	67
	Engineering Sciences	Balasubrahmanyam Pesala	92
	Physical Sciences	Pankaj Kumar	114
2017	Chemical Sciences	Sakya Singha Sen	44
	Engineering Sciences	Prosenjit Das	93
	Engineering Sciences	Sathravada Balaji	93
	Physical Sciences	Amit Laddi	115
2018	Chemical Sciences	Naveen Kumar Chandrasekaran	45
	Engineering Sciences	Abhiram Hens	94
	Engineering Sciences	Niraj Kumar	94
2019	Biological Sciences	Bidyut Purkait	19
	Biological Sciences	Lipi Thukral	19
	Chemical Sciences	John Mondal	45
	Chemical Sciences	Sasidhar B. S	46
	Earth, Atmosphere, Ocean and Planetary Sciences	Amol Prakash	68
	Earth, Atmosphere, Ocean and Planetary Sciences	Bodhisatwa Hazra	68
	Engineering Sciences	Divya Agrawal	95
	Engineering Sciences	Prabhat Ranjan Prem	95
	Physical Sciences	Shikha	115
2020	Biological Sciences	Debojyoti Chakraborty	20
	Biological Sciences	Vandana Jaiswal	20
	Chemical Sciences	Suraj Soman	46
	Earth, Atmosphere, Ocean and Planetary Sciences	Jagadeesan Loganathan	69

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2020	Engineering Sciences	Indu Elizabeth	96
	Engineering Sciences	Manoj Kumar Patel	96
	Physical Sciences	Manoj Kumar Gupta	116
2021	Biological Sciences	Divya Tej Sowpati	21
	Biological Sciences	Rakesh Shamsunder Joshi	21
	Chemical Sciences	Amit Ashok Vernekar	47
	Chemical Sciences	K Giribabu	44
	Earth, Atmosphere,Ocean and Planetary Sciences	Shilpi Kushwaha	69
	Engineering Sciences	Achu Chandran	97
	Engineering Sciences	Bhavya B Krishna	97
2022	Biological Sciences	Andugulapati Sai Balagi	22
	Biological Sciences	Harsha Bajaj	22
	Chemical Sciences	Nirmal Goswami	48
	Earth, Atmosphere,Ocean and Planetary Sciences	Karnan Chinnadurai	70
	Engineering Sciences	Amit Kumar	98
	Engineering Sciences	A Mercy Latha	98
	Physical Sciences	Naga Vara Aparna Akula	116
	Physical Sciences	Vishant	117



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2 Abhiram Hens Engineering Sciences, 2018	94	17 Anand Akhila Biological Sciences, 1988	2
3 Achu Chandran Engineering Sciences, 2021	97	18 Anup Kumar Mishra Chemical Sciences, 2005	34
4 Ahmed Kamal Chemical Sciences, 1991	27	19 Andugulapati Sai Balagi Biological Sciences, 2022	22
5 Ajai Manglik Earth, Atmosphere, Ocean and Planetary Sciences, 1996	55	20 Arun Kumar Trivedi Biological Sciences, 2013	16
6 Ajay Dhar Physical Sciences, 1993	104	21 Arun Singh Earth, Atmosphere, Ocean and Planetary Sciences, 2011	64
7 Ajit Kumar Shasany Biological Sciences, 2000	10	22 Arvind Sinha Engineering Sciences, 1998	79
8 Alok Dhawan Biological Sciences, 1999	9	23 Ashish Kumar Gondal Engineering Sciences, 1993	75
9 Alok Kumar Saxena Engineering Sciences, 1989	73	24 Ashish Kishore Lele Engineering Sciences, 1996	78
10 Amit Ashok Vernekar Chemical Sciences, 2021	47	25 Ashok Joshi Engineering Sciences, 1988	72
11 Amit Laddi Physical Sciences, 2017	115	26 Avinash Mishra Biological Sciences, 2012	15
12 Amit Kumar Engineering Sciences, 2022	98	27 A. Mercy Latha Engineering Sciences, 2022	98
13 Amitabha Mukhopadhyay Biological Sciences, 1991	6	B	
14 Amitabha Kumar Engineering Sciences, 1991	74	28 Babu Lal Tekwani Biological Sciences, 1990	5
15 Amol Arvindrao Kulkarni Engineering Sciences, 2011	89	29 Balaraman Madhan Engineering Sciences, 2009	87

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32	27	Dattatraya Hanumant Dethe Chemical Sciences, 2011	
Benjaram Mahipal Reddy Chemical Sciences, 1990		46	12
33	43	Debasis Dash Biological Sciences, 2004	
Bhahwal Ali Shah Chemical Sciences, 2015		47	110
34	92	Debi Prasad Das Physical Sciences, 2009	
Bhanu Pratap Singh Engineering Sciences, 2015		48	20
35	97	Debojyoti Chakraborty Biological Sciences, 2020	
Bhavya B Krishna Engineering Sciences, 2021		49	76
36	59	Debtosh Kundu Engineering Sciences, 1994	
Bibhuranjan Nayak Earth, Atmosphere, Ocean and Planetary Sciences, 2004		50	73
37	38	Devendra Deo Narain Singh Engineering Sciences, 1989	
Bikash Kumar Jena Chemical Sciences, 2011		51	107
38	53	Dipten Bhattacharya Physical Sciences, 2001	
Bishwajit Chakraborty Earth, Atmosphere, Ocean and Planetary Sciences, 1992		52	40
39	19	Dipti Prakasini Das Chemical Sciences, 2012	
Bidyut Purkait Biological Sciences, 2019		53	109
40	68	Divi Haranath Physical Sciences, 2004	
Bodhisatwa Hazra Earth, Atmosphere, Ocean and Planetary Sciences, 2019		54	95
41	76	Divya Agrawal Engineering Sciences, 2019	
B P Naganarayana Engineering Sciences, 1993		55	21
42	100	Divya Tej Sowpati Biological Sciences, 2021	
B Jayaram Physical Sciences, 1987		F	
C		56	13
43	54	Fayaz Ahmad Malik Biological Sciences, 2009	
Chakravadhanula Manikyamba Earth, Atmosphere, Ocean and Planetary Sciences, 1995			

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57 Ganesh Prasad Pandey Chemical Sciences, 1988	25	69 Jayaraman Gowrishankar Biological Sciences, 1987	2
58 Gangavaram V Madhava Sharma Chemical Sciences, 1992	28	70 John Loui Porathur Engineering Sciences, 2003	83
59 Ghanshyam Swarup Biological Sciences, 1989	4	71 John Mondal Chemical Sciences, 2019	45
60 Girja Shanker Shukla Biological Sciences, 1989	3		
61 Guruswamy Kumarasyamy Engineering Sciences, 2005	84		
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62 Harish C Barshilia Physical Sciences, 2000	107	72 K Giribabu Chemical Sciences, 2021	47
63 Harsha Bajaj Biological Sciences, 2022	22	73 K V Ramesh Earth, Atmosphere, Ocean and Planetary Sciences, 2009	62
64 Hem Chandra Kandpal Physical Sciences, 1990	102	74 K Ravindranath Engineering Sciences, 1987	72
		75 K Yamuna Rani Engineering Sciences, 1999	80
I		76 Kalachand Sain Earth, Atmosphere, Ocean and Planetary Sciences, 1998	56
65 Indranil Chattoraj Engineering Sciences, 1997	78	77 Kalarical Janardhanan Sreeram Engineering Sciences, 2004	84
66 Indu Elizabeth Engineering Sciences, 2020	96	78 Kamala Kanta Sahu Engineering Sciences, 2002	82
		79 Kamalesh Prasad Chemical Sciences, 2010	38
J		80 Kanai Lal Sahoo Engineering Sciences, 2000	80
67 Jagadeesan Loganathan Earth, Atmosphere, Ocean and Planetary Sciences, 2020	69	81 Karnan Chinnadurai Earth, Atmosphere, Ocean and Planetary Sciences, 2022	70
68 Jayanta Kar Physical Sciences, 1989	101	82 Kaushik Biswas Engineering Sciences, 2011	89

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85	4	Melepurath Deepa Chemical Sciences, 2008	
Laxmi Narain Misra Biological Sciences, 1990		99	11
86	61	Mitali Mukerji Biological Sciences, 2001	
Lidita Dilip Sinai Khandeparker Earth, Atmosphere, Ocean and Planetary Sciences, 2008		100	12
87	19	Mohammad Sohail Akhtar Biological Sciences, 2006	
Lipi Thukral Biological Sciences, 2019		101	6
M		Mohammed Islam Khan Biological Sciences, 1992	
88	14	102	17
M Mohammed Idris Biological Sciences, 2010		Mohammed Faruq Biological Sciences, 2015	
89	66	103	90
Maheswar Ojha Earth, Atmosphere, Ocean and Planetary Sciences, 2013		Mugdha Chetan Gadgil Engineering Sciences, 2012	
90	60	104	24
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91	35	105	104
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93	30	N Lakshminarasimhan Chemical Sciences, 2012	
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111 Narayanan Chandra Kumar Chemical Sciences, 1987	24	125 Pawan Dewangan Earth, Atmosphere, Ocean and Planetary Sciences, 2012	65
112 Navin Kumar Rastogi Engineering Sciences, 2001	81	126 Pijush Pal Roy Earth, Atmosphere, Ocean and Planetary Sciences, 1989	52
113 Neena Goyal Biological Sciences, 1997	8	127 Poonam Arora Physical Sciences, 2012	111
114 Neeraj Khare Physical Sciences, 1991	102	128 Prabhat Ranjan Prem Engineering Sciences, 2019	95
115 Nimisha Vedanti Earth, Atmosphere, Ocean and Planetary Sciences, 2009	63	129 Pradyut Ghosh Chemical Sciences, 2004	33
116 Niraj Kumar Engineering Sciences, 2018	94	130 Prakash Kumar Earth, Atmosphere, Ocean and Planetary Sciences, 2006	61
117 Nirmal Goswami Chemical Sciences, 2022	48	131 Prantik Mandal Earth, Atmosphere, Ocean and Planetary Sciences, 2000	56
118 Nita Dilawar Physical Sciences, 2001	108	132 Priyanka Heda Maheshwari Engineering Sciences, 2012	90
P		133 Prosenjit Das Engineering Sciences, 2017	93
119 P Thanikaivelan Engineering Sciences, 2006	85	134 Purnananda Guptasarma Biological Sciences, 2000	9
120 Pramod Kumar Khanna Physical Sciences, 1995	105	R	
121 Pankaj Poddar Physical Sciences, 2008	110	135 Rabibrata Mukherjee Engineering Sciences, 2007	85
122 Pankaj Kumar Physical Sciences, 2016	114	136 Rahul Banerjee Chemical Sciences, 2011	39
123 Parveen Saini Engineering Sciences, 2013	91	137 Rajadas Jayakumar Chemical Sciences, 1996	31

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140	7	S M Shivaprasad Physical Sciences, 1992	
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141	51	Sakya Singha Sen Chemical Sciences, 2017	
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142	34	Saman Habib Biological Sciences, 2001	
Rajkumar Banerjee Chemical Sciences, 2006		157	64
143	21	Samir Ravikant Damare Earth, Atmosphere, Ocean and Planetary Sciences, 2010	
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144	3	Sandip B Bharate Chemical Sciences, 2016	
Ramakrishnan Nagaraj Biological Sciences, 1988		159	60
145	87	Sandip Kumar Mukhopadhyay Earth, Atmosphere, Ocean and Planetary Sciences, 2006	
Ranjan K Shau Engineering Sciences, 2008		160	88
146	106	Sanjay Pandurang Kamble Engineering Sciences, 2010	
Ranjan Kothari Physical Sciences, 1997		161	112
147	63	Sanjay Kumar Srivastava Physical Sciences, 2013	
Ravi Prakash Srivastava Earth, Atmosphere, Ocean and Planetary Sciences, 2010		162	41
148	100	Santoshkumar D Bhat Chemical Sciences, 2013	
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149	66	Saptarshi Sasmal Engineering Sciences, 2010	
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150	105	Sasidhar B S Chemical Sciences, 2019	
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168 Shankar Doraiswamy Earth, Atmosphere, Ocean and Planetary Sciences, 2002	58	183 Subhadeep De Physical Sciences, 2015	113
169 Shikha Physical Sciences, 2019	115	184 Subhash Prataprao Chavan Chemical Sciences, 1993	29
170 Shilpi Kushwaha Earth, Atmosphere, Ocean and Planetary Sciences, 2021	69	185 Subhash Ghosh Chemical Sciences, 2008	36
171 Shyam Sundar Rai Earth, Atmosphere, Ocean and Planetary Sciences, 1988	51	186 Subrata Chattopadhyay Engineering Sciences, 1992	74
172 Siddhartha Bandyopadhyay Engineering Sciences, 1995	77	187 Sudesh Kumar Yadav Biological Sciences, 2010	14
173 Simanchal Padhy Earth, Atmosphere, Ocean and Planetary Sciences, 2008	62	188 Sujit Roy Chemical Sciences, 1994	30
174 Snehashish Chakraverty Physical Sciences, 1997	106	189 Suman Kumari Mishra Engineering Sciences, 1999	79
175 Sourav Pal Chemical Sciences, 1989	26	190 Sumit Ghosh Biological Sciences, 2015	18
176 Souvik Maiti Chemical Sciences, 2007	36	191 Sumit Kumar Mishra Earth, Atmosphere, Ocean and Planetary Sciences, 2014	67
177 Sridhar D Iyer Earth, Atmosphere, Ocean and Planetary Sciences, 1994	54	192 Sundergopal Sridhar Engineering Sciences, 2007	86
178 Srihari Pabbaraja Chemical Sciences, 2009	37	193 Suraj Soman Chemical Sciences, 2020	46
179 Srinivas Hotha Chemical Sciences, 2006	35	194 Sushil Kumar Physical Sciences, 2003	108
180 Srinivasan Kannan Chemical Sciences, 1998	32	195 Syed Wajih Ahmad Naqvi Earth, Atmosphere, Ocean and Planetary Sciences, 1987	50
181 Srinivasan Srikanth Engineering Sciences, 1995	77		

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197	Tayur Narasingarow Guru Row Chemical Sciences, 1987	25	210	Vinod Scaria Biological Sciences, 2012	15
198	Tushar Kanti Chakraborty Chemical Sciences, 1991	28	211	Virendra Mani Tiwari Earth, Atmosphere, Ocean and Planetary Sciences, 2003	58
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199	Udit Narayan Pal Physical Sciences, 2015	114	213	Vishnubhotla Chakravarthi Earth, Atmosphere, Ocean and Planetary Sciences, 2002	57
200	Umakanta Subudhi Biological Sciences, 2016	18	214	Vivek T Natarajan Biological Sciences, 2014	17
201	Umesh Chandra Kulshrestha Earth, Atmosphere, Ocean and Planetary Sciences, 2004	59	215	Vivek Vinayak Ranade Engineering Sciences, 1992	75
202	Umesh Kumar Tiwari Physical Sciences, 2012	111	216	V Ganesh Chemical Sciences, 2014	42
203	Upendra Natarajan Engineering Sciences, 2003	83	217	V Ramaswamy Earth, Atmosphere, Ocean and Planetary Sciences, 1992	53
V			218	V Rakesh Earth, Atmosphere, Ocean and Planetary Sciences, 2016	67
204	Vandana Jaiswal Biological Sciences, 2020	20	219	V Shubha Physical Sciences, 1989	101
205	Ved Varun Agrawal Physical Sciences, 2014	113	Y		
206	Venigalla Purnachandra Rao Earth, Atmosphere, Ocean and Planetary Sciences, 1990	52	220	Yatendra Singh Chaudhary Chemical Sciences, 2013	41
207	Vijay Narain Ojha Physical Sciences, 1992	103	221	Yogendra Sharma Biological Sciences, 1992	7
208	Vineet Kumar Gahalaut Earth, Atmosphere, Ocean and Planetary Sciences, 2001	57			

WOMEN CSIR YOUNG SCIENTIST AWARD WINNERS

Year	Name	Discipline
1989	V Shubha	Physical Sciences (Including Instrumentation)
1991	Rukhsana Chowdhury	Biological Sciences
1993	Rukhsana Ilyas Kureshy *	Chemical Sciences
1995	Chakravadhanula Manikyamba	Earth, Atmosphere, Ocean and Planetary Sciences
1995	Kirti Srivastava	Earth, Atmosphere, Ocean and Planetary Sciences
1995	Rina Sharma	Physical Sciences (Including Instrumentation)
1997	Neena Goyal	Biological Sciences
1999	K Yamuna Rani	Engineering Sciences
1999	Suman Kumari Mishra	Engineering Sciences
2001	Mitali Mukerji	Biological Sciences
2001	Saman Habib	Biological Sciences
2001	Nita Dilawar	Physical Sciences (Including Instrumentation)
2003	Taruna Madan Gupta	Biological Sciences
2008	Beena Pillai	Biological Sciences
2008	Melepurath Deepa	Chemical Sciences
2008	Lidita Dilip Sinai Khandeparker	Earth, Atmosphere, Ocean and Planetary Sciences
2009	Nimisha Vedanti	Earth, Atmosphere, Ocean and Planetary Sciences
2012	Dipti Prakasini Das	Chemical Sciences
2012	Priyanka Heda Maheshwari	Engineering Sciences
2012	Mugdha Chetan Gadgil	Engineering Sciences
2012	Poonam Arora	Physical Sciences (Including Instrumentation)
2016	R V Lakshmi	Chemical Sciences
2019	Lipi Thukral	Biological Sciences
2019	Divya Agrawal	Engineering Sciences
2019	Shikha	Physical Sciences (Including Instrumentation)
2020	Vandana Jaiswal	Biological Sciences
2020	Indu Elizabeth	Engineering Sciences
2021	Shilpi Kushwaha	Earth, Atmosphere, Ocean and Planetary Sciences
2021	Bhavya B Krishna	Engineering Sciences
2022	Harsha Bajaj	Biological Sciences
2022	A Mercy Latha	Engineering Sciences
2022	Naga Vara Aparna Akula	Physical Sciences (Including Instrumentation)

* Deceased

CSIR YOUNG SCIENTIST AWARD WINNERS CONFERRED WITH SSB PRIZE

Year	Year of SSB Prize	Name	Discipline
1987	1997	Jayaraman Gowrishankar	Biological Sciences
1987	1996	Narayanan Chandrakumar	Chemical Sciences
1987	1996	Syed Wajih Ahmad Naqvi	Earth, Atmosphere, Ocean and Planetary Sciences
1988	1994	Ramakrishnan Nagaraj	Biological Sciences
1988	1999	Ganesh Prasad Pandey	Chemical Sciences
1988	1996	Shyam Sundar Rai	Earth, Atmosphere, Ocean and Planetary Sciences
1989	1996	Ghanshyam Swarup	Biological Sciences
1989	2000	Sourav Pal	Chemical Sciences
1991	2002	Amitabha Mukhopadhyay	Biological Sciences
1991	2002	Tushar Kanti Chakraborty	Chemical Sciences
1992	2004	Vivek Vinayak Ranade	Engineering Sciences
1993	2002	Murali Sastry	Physical Sciences
1996	2006	Vinod Bhakuni *	Biological Sciences
1996	2006	Ashish Lele	Engineering Sciences
2001	2010	Mitali Mukerji	Biological Sciences
2002	2011	Shankar Doraiswamy	Earth, Atmosphere, Ocean and Planetary Sciences
2004	2015	Pradyut Ghosh	Chemical Sciences
2007	2014	Souvik Maiti	Chemical Sciences
2011	2018	Rahul Banerjee	Chemical Sciences
2011	2020	Amol Arvindrao Kulkarni	Engineering Sciences



* Deceased

CSIR FOUNDATION DAY CEREMONIES

1987	<p>Chief Guest: Shri Rajiv Gandhi Prime Minister of India and President, CSIR <i>Director General, CSIR: Dr A P Mitra</i></p>	<p>Lecture by: Dr G S Sidhu, Former Director General, CSIR Title: Evolution of CSIR Venue: Vigyan Bhawan, New Delhi</p>
1988	<p>Chief Guest: Shri K R Narayanan Minister of State for S&T and Vice President, CSIR <i>Director General, CSIR: Dr A P Mitra</i></p>	<p>Lecture by: Dr M G K Menon, Former Director General, CSIR Title: CSIR over the Years Venue: AIFACS New Delhi</p>
1989	<p>Chief Guest: Shri K R Narayanan Minister of State for S&T and Vice President, CSIR <i>Director General, CSIR: Dr A P Mitra</i></p>	<p>Lecture by: Dr S Varadarajan, Former Director General, CSIR Title: CSIR Achievements and Challenges Venue: NPL Delhi</p>
1990	<p>Chief Guest: Dr M G K Menon Minister of State for S&T and Vice President, CSIR <i>Director General, CSIR: Dr A P Mitra</i></p>	<p>Lecture by: Dr S R Valluri, Former Director, NAL Bengaluru Title: R&D Management: Self- Reliance and the Need for a New Approach Venue: India International Centre, New Delhi</p>
1991	<p>Chief Guest: Shri P V Narasimha Rao Prime Minister of India and President, CSIR <i>Director General, CSIR: Dr S K Joshi</i></p>	<p>Lecture by: Dr A P Mitra, Former Director General, CSIR Title: The Ethos of CSIR: Changing Culture of CSIR Venue: National Physical Laboratory, New Delhi</p>
1992	<p>Chief Guest: Shri P R Kumaramanglam Minister of State for S&T and Vice President, CSIR <i>Director General, CSIR: Dr S K Joshi</i></p>	<p>Lecture by: Dr A Ramachandran Former Director General, CSIR Title: The Global Economics: A Challenge to Science and Technology in India Venue: National Physical Laboratory, New Delhi</p>
1993	<p>Chief Guest: Shri P R Kumaramanglam Minister of State for S&T and Vice President, CSIR <i>Director General, CSIR: Dr S K Joshi</i></p>	<p>Lecture by: Dr R Narasimha, Former Director, NAL Bengaluru Title: CSIR and its Science Policy Venue: National Physical Laboratory, New Delhi</p>
1994	<p>Chief Guest: Shri Bhuvnesh Chaturvedi Minister of State for S&T and Vice President, CSIR <i>Director General, CSIR: Dr S K Joshi</i></p>	<p>Lecture by: Dr G Thyagarajan Former Director, CLRI Chennai Title: Technology, Technological Change and Technology Management Venue: National Physical Laboratory, New Delhi</p>

CSIR FOUNDATION DAY CEREMONIES

1995	<p>Chief Guest: Shri Bhuvnesh Chaturvedi Minister of State for S&T and Vice President, CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Dr S K Joshi Former Director General, CSIR Title: CSIR Vision 2010 Venue: National Physical Laboratory, New Delhi</p>
1996	<p>Chief Guest: Prof Y K Alagh Minister of State for S&T and Vice President, CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Dr S M Datta, President, ASSOCHAM, New Delhi Title: The Emerging Role for Technology Venue: National Physical Laboratory, New Delhi</p>
1997	<p>Chief Guest: Prof Yash Pal National Research Professor, AICTE <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Dr M S Valiathan Vice Chancellor Manipal Academy of Higher Education Venue: National Physical Laboratory, New Delhi</p>
1998	<p>Chief Guest: Prof Murli Manohar Joshi Minister of HRD and S&T and Vice President CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Dr Raja Ramanna, NIAS Bengaluru Title: The Foundation of Modern Technology Venue: National Physical Laboratory, New Delhi</p>
1999	<p>Chief Guest: Prof Murli Manohar Joshi Minister of HRD and S&T and Vice President CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Dr Ashoke Sen, Mehta Research Institute (MRI), Allahabad Title: String Theory: The Present Status and The Promise Ahead Venue: National Physical Laboratory, New Delhi</p>
2000	<p>Chief Guest: Prof Murli Manohar Joshi Minister of HRD and S&T and Vice President CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Shri Rahul Bajaj, CMD, Bajaj Auto Limited, Pune Title: Building a Globally Competitive India : The Challenge and the Way Ahead Venue: National Physical Laboratory, New Delhi</p>
2001	<p>Chief Guest: Shri Bachi Singh Rawat Minister of State for S&T <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Shri Rajendra Pawar, CMD, NIIT New Delhi Title: Bridging the Digital Divide: The Indian Challenge Venue: National Physical Laboratory, New Delhi</p>
2002	<p>Chief Guest: Shri Atal Bihari Vajpayee Prime Minister of India and President, CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Venue: Vigyan Bhavan New Delhi</p>

CSIR FOUNDATION DAY CEREMONIES

2003	<p>Chief Guest: Shri K C Pant Deputy Chairman, Planning Commission <i>Director General, CSIR: Dr R A Mashelkar</i></p>	Venue: National Physical Laboratory, New Delhi
2004	<p>Chief Guest: Shri Kapil Sibal Minister of State for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Dr Ashok S Ganguli, ICICI One Source Limited Title: The Challenge of Renewal Venue: National Physical Laboratory, New Delhi</p>
2005	<p>Chief Guest: Shri Kapil Sibal Minister of State for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	<p>Lecture by: Dr Swati Piramal, Nicholas Piramal India Limited Title: Science and Transformation: Two Forces that Reshape the World. Venue: Hotel Ashok, New Delhi</p>
2006	<p>Chief Guest: Shri Kapil Sibal Minister of State for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Dr R A Mashelkar</i></p>	Venue: Hotel Le Meridien, New Delhi
2007	<p>Chief Guest: Shri Kapil Sibal Minister of State for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Dr T Ramasami</i></p>	<p>Lecture by: Prof P Balaram, Director, IISc Bengaluru Title: Measuring and Assessing Science Venue: National Physical Laboratory, New Delhi</p>
2008	<p>Chief Guest: Shri Kapil Sibal Minister of State for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Prof Samir K Brahmachari</i></p>	<p>Lecture by: Prof Bartha Maria Knoppers, Canada Research Chair in Law and Medicine Title: Investments in Health Research & International Interoperability Venue: National Physical Laboratory, New Delhi</p>
2009	<p>Chief Guest: Shri Prithviraj Chavan Minister of State for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Prof Samir K Brahmachari</i></p>	<p>Lecture by: Shri Nandan Nilekarni, Chairman Unique Identification Authority of India Title: Unique Identification Project Venue: Vigyan Bhavan, New Delhi</p>

CSIR FOUNDATION DAY CEREMONIES

2010	<p>Chief Guest: Shri Prithviraj Chavan Minister of State for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Prof Samir K Brahmachari</i></p>	<p>Lecture by: Prof Raghavendra Gadagkar, IISc Bengaluru Title: War and Peace : Conflict and Cooperation in an Insect Society Venue: Vigyan Bhavan, New Delhi</p>
2011	<p>Chief Guest: Shri Vilasrao Deshmukh Minister of State for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Prof Samir K Brahmachari</i></p>	<p>Lecture by: Dr R A Mashelkar, FRS, President - Global Research Alliance Title: India@75: An Innovation Superpower ? Venue: Vigyan Bhavan, New Delhi</p>
2012	<p>Chief Guest: Dr Manmohan Singh Prime Minister of India and President, CSIR <i>Director General, CSIR: Prof Samir K Brahmachari</i></p>	<p>Lecture by: Prof C N R Rao, FRS, Linus Pauling Research Professor, JNCASR Title: Celebration of Science: Glorious Past And Challenging Future Venue: Vigyan Bhavan, New Delhi</p>
2013	<p>Chief Guest: Dr S Jaipal Reddy Minister of State (I/C) for S&T and ES and VP, CSIR <i>Director General, CSIR: Prof Samir K. Brahmachari</i></p>	<p>Lecture by: Prof M M Sharma, FRS Emeritus Professor of Eminence Title: Chemicals, Fuels and Petroleum Sectors: Opportunities in CSIR Laboratories Venue: Vigyan Bhavan, New Delhi</p>
2014	<p>Chief Guest: Dr Jitendra Singh, Minister of State (I/C) for S&T and ES and VP, CSIR <i>Director General, CSIR: Dr. Paramvir Singh Ahuja</i></p>	<p>Lecture by: Prof K VijayRaghavan, FRS, Secretary DBT Title: The neurobiology of brain development and the ways ahead for India Venue: CSIR National Physical Laboratory, New Delhi</p>
2015	<p>Chief Guest: Dr Harsh Vadhan Minister for S&T and ES and Vice President, CSIR <i>Director General, CSIR: Dr Girish Sahn</i></p>	<p>Lecture by: Shri A S Kiran Kumar, Secretary DoS and Chairman, ISRO Title: Research Opportunities in Space Programme Venue: Vigyan Bhavan, New Delhi</p>
2016	<p>Chief Guest: Shri Narendra Modi Prime Minister of India and President, CSIR <i>Director General, CSIR: Dr Girish Sahn</i></p>	<p>Venue: Vigyan Bhavan, New Delhi</p>
2017	<p>Chief Guest: Shri Ram Nath Kovind President of India <i>Director General, CSIR: Dr Girish Sahn</i></p>	<p>Lecture by: Prof Rajendra Srivastava, Indian School of Business Title: Research and Innovation in Emerging Markets Venue: Vigyan Bhavan, New Delhi</p>

CSIR FOUNDATION DAY CEREMONIES

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| 2018 | Chief Guest: Dr Harsh Vardhan
Minister for S&T, ES, Environment, Forest &
Climate Change and Vice President, CSIR
<i>Director General, CSIR: Prof Ashutosh Sharma</i> | Lecture by: Dr V K Saraswat, Member NITI Aayog
Title: Artificial Intelligence and Humanity
Venue: Vigyan Bhavan, New Delhi |
| 2019 | Chief Guest: Shri Ram Nath Kovind
President of India
<i>Director General, CSIR: Dr Shekhar C Mande</i> | Lecture by: Prof K VijayRaghavan, FRS, PSA, Govt of India
Title: Science and Technology in the Anthropocene
Venue: Vigyan Bhavan, New Delhi |
| 2020 | Chief Guest: Dr Harsh Vardhan
Minister for S&T, ES and Health & Family Welfare
and Vice President, CSIR
<i>Director General, CSIR: Dr Shekhar C Mande</i> | Lecture (Virtual) by: Prof Ajay Kumar Sood, FRS, IISc Bengaluru
Title: Science without Borders
Venue: CSIR Auditorium, Rafi Marg, New Delhi |
| 2021 | Chief Guest: Shri M Venkaiah Naidu
Vice President of India
<i>Director General, CSIR: Dr Shekhar C Mande</i> | Lecture (Virtual) by: Prof M Vidyasagar, FRS, IIT Hyderabad
Title: Artificial Intelligence: An Unfinished Revolution
Venue: CSIR National Physical Laboratory, New Delhi |





सौभाग्यदाम
CSIR
भारत का नवाचार इंजन
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