



SIR CV RAMAN NOBEL LAUREATE
NATIONAL SCIENCE DAY 2020

PROMOTING SCIENTIFIC LITERACY
BUILDING SCIENTIFIC TEMPER

विज्ञान एवं प्रौद्योगिकी संचार
हेतु वर्ष २०१९ के राष्ट्रीय पुरस्कार

National Awards for Science and Technology
Communication for the year 2019



सत्यमेव जयते

National Council for Science & Technology Communication
Department of Science & Technology
Ministry of Science & Technology, Govt. of India
New Delhi



राविप्रौसंप NCSTC

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National Council for Science & Technology Communication (NCSTC) is an apex body of the Government of India under the Department of Science & Technology that endeavours to:

- Communicate science & technology
- Stimulate scientific temper
- Coordinate and orchestrate such efforts

Our Goals are:

- To create excitement concerning advances in science & technology
- To enable informed decision-making in the community
- To encourage informative debate on developmental issues

Our Important Partners are:

- Government Ministries and Departments
- Universities and Academic Institutions
- Research Laboratories
- Prasar Bharati /All India Radio and Doordarshan

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NATIONAL AWARDS FOR SCIENCE AND TECHNOLOGY COMMUNICATION FOR THE YEAR 2019

National Council for Science & Technology Communication (NCSTC) instituted national awards in 1987 to stimulate, encourage and recognize outstanding efforts in the area of science popularization and communication. There are six categories of awards as below:

A. National Award for Outstanding Efforts in Science & Technology Communication

This award is presented to an individual or an institution for outstanding work in communication of science and technology and/or promoting scientific temper which had the widest impact in the country during the past five years. The award consists of Rs.5,00,000/- (Rupees five lakh), a memento and a citation.

B. National Award for Outstanding Efforts in Science & Technology Communication through Print Media including Books and Magazines

This award is presented to an individual or an institution for outstanding efforts in popularization of science & technology and/or promoting scientific temper through print media including books, magazines, Internet, etc, during the past five years. The award consists of Rs.2,00,000/- (Rupees two lakh), a memento and a citation.

C. National Award for Outstanding Efforts in Science & Technology Popularization among Children

This award is presented to an individual or an institution for outstanding work in popularization of science & technology and/or promotion of scientific temper among children which has the widest impact in the country during the past five years. The award consists of Rs.2,00,000/- (Rupees two lakh), a memento and a citation.

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D. National Award for Outstanding Efforts in Translation of Popular Science & Technology Literature in languages mentioned in the eighth schedule of the Constitution of India and in English

This award is presented to an individual or an institution for outstanding work in translating popular science and technology literature in and from regional languages during the past five years. The award consists of Rs.2,00,000/- (Rupees two lakh), a memento and a citation.

E. National Award for Outstanding Efforts in Science & Technology Communication through Innovative and Traditional Methods

This award is presented to an individual or an institution for outstanding efforts in communication of science & technology and/or promotion of scientific temper through innovative and traditional methods during the past five years. The award consists of Rs.2,00,000/- (Rupees two lakh), a memento and a citation.

F. National Award for Outstanding Efforts in Science & Technology Communication in Electronic Media

This award is presented to an individual or an institution for outstanding efforts in communication of science & technology and/or promotion of scientific temper through radio and/or television media during the past five years. The award consists of Rs.2,00,000/- (Rupees two lakh), a memento and a citation.

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The awards for 2019 were given to the following nominees:

National Award for Outstanding Efforts in Science & Technology Communication through Print Media including Books and Magazines: (1) Dr. Suryamani Behera, Odisha and (2) Dr. Amiya Rajbongshi, Assam

(1) Prof. Suryamani Behera

Prof. Suryamani Behera is known popular writer both in Odia and English languages. He is continuously writing articles and books for more than thirty years. He has published more than forty books and more than a thousand published articles. His latest books “Vigyan Ru Gyana”, “Jantra Karuchi Mantra”, “Vigyan Sahitya Darpan”, “Bigyan Mela” and books on Medicinal Plants cultivation have become very popular. Dr. Behera’s articles on Food processing and preservation are his notable contributions followed by many people as a help to cottage industry. He has also established *Janapriya Vigyan Manch* to impart training to budding popular science writers & Journalists.



Dr. Suryamani Behera

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Bhubaneswar-751018, Odisha

Mob.9437696140

E-mail: 73smbhehera@gmail.com

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(2) Dr. Amiya Rajbongshi

Dr. Rajbongshi is a regular writer for almost all science magazines and prestigious newspapers of Assam, she has published 396 scientific articles and authored popular science books from NBT, Assam Publication Board and Assam Science Society. As President of Lakhimpur Science Society and of Assam Science Writers' Association, besides organizing many programmes for science communication, she has published 12 books on popular science and co-authored 25 books. She also wrote on Lives & Activities of Nobel Laureates on Physiology or Medicine in three volumes.



Dr. Amiya Rajbongshi

Retd. Vice Principal

North Lakhimpur College (Autonomous)

Rector, Genius Academy,

Khelmati -14, North Lakhimpur,

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Mob – 9435089353

Email – amiyarajbongshi@gmail.com

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National Award for Outstanding Efforts in Science & Technology Popularization among Children: (1) Sh. Deepak Sharma, Uttar Pradesh and (2) Kisan Sewa Sansthan, Uttar Pradesh

(1) Sh. Deepak Sharma

Shri Deepak Sharma, a science teacher in N.A.S. Inter College, Meerut is popular amongst the students for last 30 years. He made science easier and interesting by relating it to day to day life activities. Science based reality show-Vigyan Ghar and science channel 'Vigyan Aao Karke Sikhe' and his own science magazine, are some of his key achievements. The experiments measuring distance between the Earth and the Sun during transit of Venus and the circumference of the Earth and Analemma Sun dial made him very popular. He also continues to inspire people to work as a resource person for science communication.



Sh. Deepak Sharma

Science Teacher

448/9 Jagriti Vihar

Meerut – 250004

Uttar Pradesh

Mob- 9358414442, Email – sdeepak8222@gmail.com

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Kisan Sewa Sansthan (KSS)

Kisan Sewa Sansthan (KSS) is a pioneer in spreading and developing scientific temper among children in the Uttar Pradesh and spreading scientific awareness using a variety of unique tools and techniques for delivering benefit to various section of society. With this aim they reached the masses through their trainings, campaigns, lectures, orientations and workshops with specific initiatives like communicating science through puppetry and explaining science behind so called miracles. KSS has coordinated and supported with its own resources the students from villages to visit Department of Science & Technology Science Express at various railway stations in UP. It popularized science among millions of rural and urban children through Science Express, science fairs and melas, science debates, talks, essay competitions, science inspire tours, community radio programmes notably *Chalo Gaon Ki Aur*, and also the Mobile Science Exhibition Bus (MSE) for school students and peoples at large.

Kisan Sewa Sansthan

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E-mail: kss.org01@gmail.com

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National Award for Outstanding Efforts in Science & Technology Communication through Innovative and Traditional Methods: (1) Prof. (Dr.) Mahesh Verma, Delhi (2) Dr. S. Nagarathinam, Tamil Nadu and (3) Dr. Rajendra Kumar, Delhi

(1) Prof. (Dr.) Mahesh Verma

Prof. Mahesh Verma is the Vice-Chancellor of Guru Gobind Singh Indraprastha University. He has been instrumental in promoting the scientific temperament and awareness among students, youth, health professionals and community at large. He has organized Dental Health Melas for over 25 years, dental camps in schools and underserved areas and initiated Mobile Dental Clinic Project with six mobile Dental vans for rural areas in 3 districts of Delhi to bring about awareness for masses. Dr. Verma has authored many books and appeared in more than 150 programmes on TV, Radio. He contributed press articles and media reports bringing education and scientific awareness about dental health. He established the Maulana Azad Institute of Dental Sciences, for education, patient care and awareness. As past President of the Indian Dental Association, Dr. Verma led over 75,000 Dental professionals in community directed projects such as *Tobacco cessation, Oral Cancer Awareness* & many more.



Dr. Mahesh Verma

Vice Chancellor, Guru Gobind Singh Indraprastha University,

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Mob – 9811099095, 011-22159190 (Home)

Work – 011-25302104, 25302105, Email – drvermamahesh@gmail.com

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(2) Dr. S. Nagarathinam

Dr. S. Nagarathinam worked in popular Tamil-Daily *Dinamalar* and wrote science articles regularly since 1996 and tirelessly connected the scientific world with common people particularly through innovative and traditional methods. He introduced a Daily Science Column, published till-today. He has been popularizing and communicating S&T related to water bodies, rivers, tanks, ponds and eco-sites among youth and communities. His efforts culminated into a pan India platform of Groups of Experts & volunteers, especially the Eco Vision Indica, to help protect natural ecological resources. These efforts also resulted in thousands of seed plantings of Palmyra Palm an eco-friendly and alternative resource to plastics. Overall, he made outstanding efforts using Ecological places as a creative medium and building peoples' every day understanding of Nature by communicating S&T of a wide transdisciplinary range and in-depth knowledge as a people's professor through Field Immersive Innovative Models, practices, outreach, fostering communities of learning, and special interest groups, for a far reaching visible impact.



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Email – snagarathinam@gmail.com

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(3) Prof Rajendra Kumar

Prof Rajendra Kumar, an agricultural scientist, has made an outstanding contribution in popularization of science & technology through several innovative & traditional approaches. He has published 7 books, 116 research articles, more than 100 popular articles, 28 volumes of newsletters, more than 500 newspaper articles, delivered more than 100 television-radio talks along with more than 150 conference lectures, numerous poster presentations, and more than 500 public lectures. He popularised science among children, women, illiterate elderly people in rural, urban & sub-urban localities by organizing more than 180 *Goshthees*, corner / roadside meetings & Chaupals in/ at farmers field, village ponds, fish ponds, grain threshing places, sugarcane cutting places, cattle sheds, Primary/Junior/High schools, through UPAAS, Uttar Pradesh, ISGBRD, SRDA, SSSD, etc. in English, Hindi & Vernacular languages leaving very large impact across the state/ nation. He has been instrumental in motivating students, teachers, scientists and general public in popular science reading, writing, and learning centres, and outreach activities and created a significant spread over 75 districts of Uttar Pradesh demonstrating a typical “Boom – Bust” cycle.



Dr. Rajendra Kumar

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National Award for Outstanding Efforts in Science & Technology Communication in the Electronic Medium: Dr. Uma Kumar, Delhi

Dr. Uma Kumar

Dr. Uma Kumar created an indelible mark in the area of popularising medical science amongst the masses through electronic media. She has participated in more than 100 health programmes on national TV channels and radio, apart from writing innumerable articles in magazines and newspapers about rheumatic diseases, and publishing easy to understand booklets in Hindi & English in electronic form to increase awareness about autoimmune diseases, air pollution, role of physical activities and right postures. She has delivered more than 300 lectures for physicians, specialists, schools, and general public to increase awareness about non-communicable diseases. Conducted workshops in schools and organizations involved in rehabilitation of underprivileged youth to propagate health science and awareness about musculoskeletal health. She participated in medical camps in tribal and remote areas like Leh Ladakh, Kargil,, UP, Chhattisgarh etc.



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Sir Chandrasekhara Venkata Raman
Nobel Laureate 1930



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