



Council of Scientific and Industrial Research

Anusandhan Bhawan, 2, Rafi Marg New Delhi-110001



**** Awards 2010 ****

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**Centre Glass and Ceramic Research Institute, Kolkata;
North East Institute of Science and Technology, Jorhat;
and
National Metallurgical Laboratory, Jamshedpur**

win

CSIR Technology Awards 2010

Hon'ble MoS (IC) S&T and Earth Sciences, Shri Prithviraj Chavan today, on the occasion of CSIR Foundation Day, gave away CSIR Technology Award 2010. These awards are in the category of: Physical Sciences including Engineering (to Centre Glass and Ceramic Research Institute, Kolkata); Innovation (to North East Institute of Science and Technology, Jorhat); and Business Development & Technology Marketing (to National Metallurgical Laboratory, Jamshedpur).

Centre Glass and Ceramic Research Institute has won the award for developing manufacturing technology of bioceramic implants for medical applications. The technologies for production of ocular implants & hip prostheses and bio-active coatings are licensed to M/s IFGL Bioceramics Ltd., Kolkata and are in commercial production.

Sancheti Hospital, Pune; Disha Eye Hospitals and Research Centre Pvt. Ltd., Barrackpore; and West Bengal University of Animal and Fishery Sciences, Kolkata have contributed for conducting necessary trials related to the development.

North East Institute of Science and Technology has won the award for developing process for making high strength proppants. Oil exploring companies use high strength proppants in fracturing operations, among others. The process developed utilizes native raw material like Bauxite which is abundantly available in India. The proppants thus produced, conform to American Petroleum Institute (API) specifications.

Keshava Deva Malaviya Institute of Petroleum Exploration (KDMIPE), ONGC, Dehradun has contributed in developing the process.

National Metallurgical Laboratory has won the award for significantly enhancing the business and markets for its knowledgebase.

Given annually, CSIR Technology Awards were instituted in 1990 with a view to foster and encourage in-house multidisciplinary team efforts and external interaction for technology development, transfer, marketing and commercialization. Each of the given award carries a cash prize of ` 2 lakh, a plaque and a citation.



Indian Oil Corporation Limited (IOCL), R&D Centre, Faridabad

win

CSIR Award for S&T Innovations for Rural Development - 2009

Prof. Samir K. Brahmachari, DG, CSIR on the occasion of CSIR Foundation day, announced bestowing of CSIR Award for S&T Innovations for Rural Development (CAIRD) - 2009 upon Indian Oil Corporation Limited (IOCL), R&D Centre,

Faridabad for "Development of environment friendly, non-toxic, bio-degradable 'Servo Agrospray Oil' for agricultural crops".

CSIR had instituted, in 2006, the "CSIR Award for S&T Innovations for Rural Development" to recognize and honour S&T innovations that have helped transform the lives of rural people. The effort through this award, in a way, is also to give a boost to rural development through intrinsic innovation and its implementation at ground level. The award, which has emerged as a very prestigious one within a short period, carries a cash prize of ` 10 lakh, a citation and a shield.

The farmer-friendly product "Servo Agrospray Oil" developed by IOCL is a development benefitting agro ecosystem immensely. The oil is highly effective for controlling pests and certain plant diseases (viz. sigotoka in banana, powdery mildew and scab on apples etc.) in agricultural crops. It is quite effective on crops such as cotton, pulses, grains, mustered, groundnut, sugarcane, potato, tea, grapes, mango, apple, citrus fruits etc.

Considerably economical and non-detrimental for flora, fauna, human health and environment, the product is one of its kind. Possessing more than 70% biodegradability, it meets ecomark requirement of Government of India. The agrospray oil gives not only in-significant residue in crops but also preserves their freshness and nutritional value. It could help replace harmful and toxic chemicals for controlling pests/insects.

Introduced for the first time in India, Servo Agrospray Oil is based on new generation bio-degradable base stocks. It fits well in integrated pest management programme, reducing overall pest management cost. Servo Agrospray oil can be sprayed through normal spraying equipments without using safety precautions like goggles, gloves and oxygen masks which are normally wore for spraying of conventional pesticides. It thus fits well in the present pest management regimen. The development of IOCL has benefited farmers extensively.



Shanti Swarup Bhatnagar Prize 2010

Instituted in 1957, the Shanti Swarup Bhatnagar Prize for Science & Technology is given each year for conspicuously important and outstanding contributions in seven disciplines. The award carries a cash prize of ` 5 lakh, a citation and a plaque and is given by the Hon'ble Prime Minister of India.

For the year 2010, nine scientists have been selected for the prestigious Shanti Swarup Bhatnagar Prize.

Biological Sciences

- 1 **Dr Sanjeev Galande** National Centre for Cell Science, Pune
(Presently at Indian Institute of Science Education and Research, Pune)
- 2 **Dr Shubha Tole** Tata Institute of Fundamental Research, Mumbai

Chemical Sciences

- 3 **Dr Swapan K Pati** Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
- 4 **Dr Sandeep Verma** Indian Institute of Technology, Kanpur

Engineering Sciences

- 5 **Dr G K Ananthasuresh** Indian Institute of Science, Bangalore
- 6 **Dr Sanghamitra Bandyopadhyay** Indian Statistical Institute, Kolkata

Medical Sciences

- 7 **Dr Mitali Mukerji** Institute of Genomics & Integrative Biology (CSIR), Delhi

Physical Sciences

- 8 **Dr Umesh Vasudeo Waghmare** Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore
- 9 **Dr Kalobaran Maiti** Tata Institute of Fundamental Research, Mumbai

No Award is being given in the area of **Earth, Atmosphere, Ocean & Planetary Sciences and Mathematical Sciences.**

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CSIR Young Scientist Awards 2010

Instituted in 1987, CSIR Young Scientist Awards seek to promote in-house excellence in various fields of science and technology. Any CSIR scientist, below 35 years of age, as reckoned on 26 September (CSIR Foundation Day) of the preceding year, is eligible for the Award.

These awards are given annually in the following fields:

- ◆ **Biological Sciences**
- ◆ **Chemical Sciences**
- ◆ **Earth, Atmosphere, Ocean and Planetary Sciences**
- ◆ **Engineering Sciences**
- ◆ **Physical Sciences (including instrumentation)**

Each award consists of a citation, a cash prize of ` 50,000/- (Rupees fifty thousand only) and a plaque. CSIR Young Scientist Awardees are also entitled to a research grant of ` 5.0 lakhs (Rupees five lakh only) per annum for a period of five years and an honorarium of ` 7,500/- (Rupees seven thousand and five hundred only) per month till the age of 45 years.

Till 2009, 133 scientists (including 17 women scientists) have received the CSIR Young Scientist Award and out of these 14 scientists have been conferred with the prestigious Shanti Swarup Bhatnagar Prize. For the year 2010, Advisory Committee consisting of eminent scientists recommended the following seven scientists for the 2010 Young Scientist Awards. This year, none was found suitable in Physical Sciences (including instrumentation)

Biological Sciences

Dr M Mohammed Idris

The CSIR Young Scientist Award for the year 2010 in Biological Sciences has been awarded to Dr M Mohammed Idris of Centre for Cellular and Molecular Biology Hyderabad, for his excellent work on discovery of genes involved in Pancreatitis & Huntington's diseases, establishment of genetic diagnostic procedures and recent insight into neurodegeneration in zebrafish model.



Dr Sudesh Kumar Yadav

The CSIR Young Scientist Award for the year 2010 in Biological Sciences has been awarded to Dr Sudesh Kumar Yadav of Institute of Himalayan Bioresource Technology Palampur, for his outstanding contribution in the area of metabolic engineering & abiotic stress tolerance in plants.



Chemical Sciences

Dr Kamalesh Parasad

The CSIR Young Scientist Award for the year 2010 in Chemical Sciences has been awarded to Dr Kamalesh Prasad of Central Salt & Marine Chemicals Research Institute Bhavnagar, for his significant contributions in the field of Polysaccharides leading to new functional materials that have great societal applications, besides being of fundamental interest.



Engineering Sciences

Dr Sanjay Pandurang Kamble

The CSIR Young Scientist Award for the year 2010 in Engineering Sciences has been awarded to Dr Sanjay Pandurang Kamble of National Chemical Laboratory Pune, for his outstanding contributions to the development of chemical processes and technologies with a view to protect environment and minimize the energy requirement.



Dr Saptarshi Sasmal

The CSIR Young Scientist Award for the year 2010 in Engineering Sciences has been awarded to Dr Saptarshi Sasmal of Structural Engineering Research Centre Chennai, for his significant contribution to condition assessment & strengthening of structures.



Earth, Atmosphere, Ocean & Planetary Sciences

Dr Ravi Prakash Srivastava

The CSIR Young Scientist Award for the year 2010 in Earth, Atmosphere, Ocean & Planetary Sciences has been awarded to Dr Ravi Prakash Srivastava of National Geophysical Research Institute Hyderabad, for development of a new technique to model natural complex systems particularly hydrocarbon reservoirs.



Dr Samir Ravikant Damare

The CSIR Young Scientist Award for the year 2010 in Earth, Atmosphere, Ocean & Planetary Sciences has been awarded to Dr Samir Ravikant Damare of National Institute of Oceanography Goa, 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 & enzyme profile using culturing techniques.



CSIR Diamond Jubilee Invention Award for School Children 2009

In order to enhance creativity amongst school children, CSIR announced for the first time Diamond Jubilee Invention Award for School Children on 26 April, 2002 - the day celebrated as WORLD INTELLECTUAL PROPERTY DAY throughout the world. The objectives of this competition are: to capture creativity and innovativeness amongst school children and create awareness about IPR.

There are total number of 60 awards to be given each year. The first prize winner becomes eligible for WIPO's Young inventor's Award carrying a medal and a certificate besides cash prize of ` 50,000/-.

For the year 2009, only one invention was selected out of 288 proposals received for the various categories of prizes to be given. No first prize is however being given.

Category	Awardee Name & School	Invention
Second Prize (` 25,000/-)	Miss Neha Lalit Sharma Class XII, Swami Vivekanand Junior College, Chembur, Mumbai	A method for dyeing cotton fabric using natural colorant from tobacco



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Planning and Performance Division

CSIR Diamond Jubilee Technology Award 2009 - Announcement Reg.

The CSIR Diamond Jubilee Technology Award (CDJTA), given annually, was instituted in commemoration of CSIR's Diamond Jubilee in 2003. The award seeks to recognize and honor outstanding technical innovation that has contributed significantly to enhancement of national prestige. For the year 2009, CSIR received 61 nominations for the award. While many nominations received were good in their own right, none matched the standard set for the award. Hence there is no 'awardee' for this coveted award for the year 2009'

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