



# CSIR News

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## In This Issue

### 217 In The News

- CSIR Celebrates its 71st Foundation Day
- CSIR Young Scientist Awards 2013
- CSIR Technology Awards 2013
- CSIR Award for S&T Innovations for Rural Development (CAIRD)
- CSIR Diamond Jubilee Technology Award
- CSIR Innovation Award for School Children 2012
- Shanti Swarup Bhatnagar Prize for Science & Technology 2013
- G.N. Ramachandran Award 2013

### 231 Lectures

- DG-CSIR delivers the 56th Holland Memorial Lecture

### 240 Forthcoming Events

## In The News

### CSIR Celebrates its 71st Foundation Day



On the dais during the CSIR Foundation Day Function at IGIB, New Delhi (from left) are: Prof. Samir. K. Brahmachari, Director General, CSIR; Shri S. Jaipal Reddy Minister of Science & Technology and Earth Sciences and Vice President, CSIR; Prof. M.M. Sharma, Dr. Rajesh S. Gokhale, Director, IGIB

**T**HE Council of Scientific & Industrial Research (CSIR) celebrated its 71st Foundation Day on 26 September 2013. The function was held in the new campus of the CSIR-Institute for Genomics and Integrative Biology (IGIB) in New Delhi. While Union Minister of Science & Technology and Earth Sciences Shri S. Jaipal Reddy chaired the function, Prof. M.M. Sharma, world renowned scientist and the first Indian engineer to be elected as a Fellow of Royal Society of London, delivered the CSIR Foundation Day Lecture.

Several prestigious CSIR awards were also given away during the function. These include the CSIR Young Scientist Awards 2013, the CSIR Technology Awards 2013, the G.N. Ramachandran Award 2013, and the CSIR Innovation Award for School Children 2012. On the occasion, the names of the winners of the Shanti Swarup Bhatnagar Prizes 2013 were also announced by Prof. Samir Kumar Brahmachari, Director General, CSIR.



### Chemical Sciences

**Dr. Santoshkumar D. Bhat** of CSIR-Central Electrochemical Research Institute, Karaikudi, for his innovative contributions to the design and development of polymer electrolyte membranes in fuel cell applications.

**Dr. Yatendra Singh Chaudhary** of CSIR-Institute of Minerals and Materials Technology, Bhubaneswar, for developing novel functional nanostructured materials for solar-fuel generation and bio-implant scaffolds.

### Earth, Atmosphere, Ocean & Planetary Sciences

**Dr. Maheswar Ojha** of CSIR-National Geophysical Research Institute, Hyderabad, for his significant contributions in exploring gas hydrates using novel inversion and numerical tools.

### Engineering Sciences

**Dr. Parveen Saini** of CSIR-National Physical Laboratory, New Delhi for his significant contributions related to the development of conducting polymer based EMI shielding materials, antistatic coatings and anticorrosive paints as well as fundamental contributions in the area of conjugated polymers and polymer nanocomposites.

### Physical Sciences (including instrumentation)

**Dr. Sanjay Kumar Srivastava** of CSIR-National Physical Laboratory, New Delhi, for development of 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.

## CSIR Technology Awards 2013

Minister of Science & Technology and Earth Sciences and Vice President, CSIR, Shri S. Jaipal Reddy gave away the CSIR Technology Award 2013 on the occasion of the 71<sup>st</sup> CSIR Foundation Day celebrations.

Given annually, the 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 award carries a cash prize of Rs. 2 lakh. Besides, a plaque and a citation are also given to the awardees.

This year the CSIR Technology Awards were given to the following laboratories:

### CSIR-North East Institute of Science & Technology (CSIR-NEIST), Jorhat

**CSIR-NEIST** has won the award for developing herbal drug for management of arthritis. The herbal formulation developed is non-toxic, non-invasive and is for topical application. It helps in managing the arthritic problem effectively. CSIR recognises the significant contribution of Prof. Samir Bhattacharya of Visva-Bharati University, Santiniketan.

### CSIR-Central Salt & Marine Chemicals Research Institute (CSIR-CSMCRI), Bhavnagar

**CSIR-CSMCRI** has won the award for developing technology for production of synthetic hydrotalcite using effluent streams from organic pigment industry. The technology is focused at achieving significant value addition to waste which was causing environmental hazard. The technology was licensed to M/s Heubach Colour Pvt. Ltd., Ankaleshwar. The company has installed a 1000 TPA plant to manufacture synthetic hydrotalcite. This

is the first plant to produce SHT in India and the first of its kind in the world to produce SHT using effluent streams from organic pigment industry and salt industry.

**CSIR-Central Mechanical Engineering Research Institute  
(CSIR-CMERI), Durgapur**

**CSIR-CMERI** has won the award for developing portable magnifying instrument useful for colposcopy. The innovation involves development of a portable optical instrument for early diagnosis of cervical cancer especially affordable to the poor patients residing in remote villages. CSIR recognizes the contribution of Late Dr. Gour Chandra Chatterjee, Gynaecologist of Sree Sree Mohanananda Cancer Hospital, Durgapur.

**CSIR-National Chemical Laboratory  
(CSIR-NCL), Pune**

**CSIR-NCL** for significantly enhancing the business and marketing of its knowledgebase. CSIR-NCL played a vital role in the quest of the country towards scientific and technological leadership and providing scientific solutions to the industries and adopted several new strategies and developed business models for smooth flow of technologies to industry.



The Union Minister for Science & Technology and Earth Sciences Shri S. Jaipal Reddy with the CSIR Technology Awardees, at the 71st CSIR Foundation Day Celebrations in New Delhi on 26 September 2013. DG-CSIR, Prof. S.K. Brahmachari, Prof. Man Mohan Sharma and

**CSIR Award for S&T Innovations for  
Rural Development (CAIRD)**

CSIR instituted the CSIR Award for S&T Innovations for Rural Development (CAIRD) in 2006 to recognize and honour those outstanding S&T innovations that have helped transform the lives of rural people or alleviated the drudgery of the rural people.

The award is given to an innovation

that has created a paradigm shift in standards of quality of life of the rural people or demonstrated competitive advantage and positive user response or helped in generation of rural employment in the country and shown a new way of conducting business to achieve social and economic transformation in the domain of