

CSIR YOUNG SCIENTIST AWARDS 2015

Instituted in 1987, CSIR Young Scientist Awards seek to promote in-house excellence in various fields of science and technology. 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**
- **EARTH, ATMOSPHERE, OCEAN AND PLANETARY SCIENCES**
- **CHEMICAL 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 2014, 171 scientists (including 21 women scientists) have received the CSIR Young Scientist Award and out of these 17 scientists have been conferred with the prestigious Shanti Swarup Bhatnagar Prize. For the year 2015, Advisory Committee consisting of eminent scientists recommended the following six scientists for the CSIR Young Scientist Awards.

BIOLOGICAL SCIENCES



DR MOHAMMED FARUQ

The CSIR Young Scientist Award for the year 2015 in Biological Sciences has been awarded to Dr Mohammed Faruq of CSIR- Institute of Genomics and Integrative Biology, Delhi, 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.



DR SUMIT GHOSH

The CSIR Young Scientist Award for the year 2015 in Biological Sciences has been awarded to Dr Sumit Ghosh of CSIR- Central Institute of Medicinal and Aromatic Plants, Lucknow, 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.

EARTH, ATMOSPHERE, OCEAN AND PLANETARY SCIENCES

NO AWARD

CHEMICAL SCIENCES



DR BHAHWAL ALI SHAH

The CSIR Young Scientist Award for the year 2015 in Chemical Sciences has been awarded to Dr Bhahwal Ali Shah of CSIR- Indian Institute of Integrative Medicine, Jammu, for his significant contributions to the isolation of natural products and development of new synthetic methodologies for bio-active molecules.

ENGINEERING SCIENCES



DR BHANU PRATAP SINGH

The CSIR Young Scientist Award for the year 2015 in Engineering Sciences has been awarded to Dr Bhanu Pratap Singh of CSIR-National Physical Laboratory, New Delhi, 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.

PHYSICAL SCIENCES (INCLUDING INSTRUMENTATION)



DR SUBHADEEP DE

The CSIR Young Scientist Award for the year 2015 in Physical Sciences (including instrumentation) has been awarded to Dr Subhadeep De of CSIR-National Physical Laboratory, New Delhi, for laying a solid foundation for the creation of first optical ion clock in India through innovative design and technology. His work is exemplary towards development of the next generation time-standard.



DR UDIT NARAYAN PAL

The CSIR Young Scientist Award for the year 2015 in Physical Sciences (including Instrumentation) has been awarded to Dr Udit Narayan Pal of CSIR-Central Electronics Engineering Research Institute, Pilani, 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.