



CSIR Young Scientist Awards 2020



Dr. Debojyoti Chakraborty

**CSIR Institute of Genomics and Integrative Biology,
Delhi**

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*.





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Biological Science



Dr Vandana Jaiswal

**CSIR Institute of Himalayan Bioresource Technology,
Palampur**

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.





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Chemical Sciences



Dr Suraj Soman

CSIR National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram

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





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Dr Jagadeesan Loganathan

CSIR National Institute of Oceanography, Goa

For his outstanding contributions to the plankton ecology in the context of marine ecosystem functioning in the Bay of Bengal, Gulf of Mannar and in the Mudbank phenomena occurring along the southwest coast of India.





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Engineering Sciences



Dr Indu Elizabeth

CSIR National Physical Laboratory, New Delhi

For her significant contributions in the development of Lithium ion batteries. She has also designed and fabricated a rechargeable solar lantern based on Lithium ion batteries for lighting purposes in Indian villages.





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Dr Manoj Kumar Patel

**CSIR Central Scientific Instruments Organisation,
Chandigarh**

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

Engineering Sciences





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Dr Manoj Kumar Gupta

**CSIR Advanced Materials and Processes Research Institute,
Bhopal**

For developing novel and innovative piezoelectric, pyroelectric and triboelectric nanogenerators as a new class of renewable energy devices.



**Physical Sciences
(including instrumentation)**

