



CSIR Technology Awards 2020



LIFE SCIENCES



**Ch. Raji Reddy, P. Nagender,
Prathama S. Mainkar, S. Chandrasekhar**

CSIR-Indian Institute of Chemicals Technology, Hyderabad



For outstanding contributions to the affordable healthcare, by developing a novel and cost-effective process for the synthesis of FAVIPIRAVIR to combat COVID-19.





79th CSIR Foundation Day



CSIR Technology Awards 2020

Certificate of Merit



**Rakesh Kumar, Atya Kapley, Ritesh Vijay, Hemant Bherwani,
Rita Dhodapkar, Tuhin Banerjee, Saisaurabh Asoria**



**CSIR-National Environmental Engineering Research
Institute, Nagpur**



For Restoration of Nallah with Ecological units (RENEU) – It is in situ low cost wastewater treatment technology developed by CSIR-NEERI as an alternative sewage management of domestic waste water.





CSIR Technology Awards 2020



**Manis Kumar Jha, Jhumki Hait, Ranjeet Kumar Singh,
Pankaj Kumar Choubey and Archana Kumari**

CSIR-National Metallurgical Laboratory, Jamshedpur

For developing indigenous technology to extract cobalt and gold from black cathode material of Li-Co batteries and gold coated surface of e-wastes. It is the first indigenous technology for recycling of Co and Au from the respective wastes.





★ **CSIR Technology Awards 2020**

**Physical Sciences
including Engineering**



**J. Raghava Rao, B.U. Nair, K.J. Sreeram,
R. Aravindhan, M. Sathish**

CSIR-Central Leather Research Institute



For developing Zero Formaldehyde High Performance Chromium - Melamine Synthetic Tanning Agent for Greener Leather Manufacturing.





CSIR Technology Awards 2020



Innovation



**Yoosaf Karuvath, Kaustabh Kumar Maiti, Narayanan Unni,
Elizabeth Jacob, Robert Philip, Ajay Agarwal, Rishi Sharma**



**CSIR-National Institute of Interdisciplinary Science and Technology and
CSIR-Central Electronics Engineering Research Institute**



For developing a low-cost multipurpose handheld Raman spectrometer for automated analytical and diagnostic application, particularly for testing of food and pharmaceutical adulteration.





79th CSIR Foundation Day



CSIR Technology Awards 2020



**Business Development and
Technology Marketing**



**Ramesh Sundaram, Ramesh Kumar M, Ravi Kumar P,
Kotresh M Gaddikeri, Byji Varughese and J S Mathur**

CSIR-National Aerospace Laboratories , Bengaluru



For Successful Commercialization of Composite
Technology Towards Light Combat Aircraft (LCA) –
Tejas IOC series Production.





★ CSIR Technology Awards 2020

Most Significant CSIR
Technology of Five Year Plan



Vinod Karar, Prabhulla Chandran, Divya Agrawal, Surender Singh Saini, Harry Garg, Shravana Kumar R.R., Amit Lochan Sharma, Mukesh Kumar, Sanjay Sharma, Prabhat Kumar Baghel, Vipin Kumar, Sandeep Singhai

CSIR-Central Scientific Instrument Organisation , Chandigarh

for developing Head Up Display Variants and Associated Test Equipment for Multiple Aircraft Platforms *in association with Aeronautical Development Agency (ADA), Bengaluru and Bharat Electronics Limited, Panchkula*. The developed Head Up Display variants operates in multiple operational modes while providing vital flight information to pilot in real time via interface with Mission Computer and Up-Front Control Panel.

