

**10th National Awards for Technology Innovation in
Petrochemicals & Downstream Plastics Processing Industry (2019-20)**

**Central Institute of Petrochemicals Engineering & Technology (CIPET)
Department of Chemicals & Petrochemicals, Ministry of Chemicals & Fertilizers,
Government of India**

Category	Winners/ Runners- up	Name/ Awardees	Topic of Research	Contact
Innovation in Polymeric Materials	Winner	Dr. Samir H. Chikkali Mr. Ravindra P. Gote Dr. Dipa Mandal Dr. Ketan Patel Mr. Krishnaroop Chaudhuri Dr. C. P. Vinod Dr. Ashish K. Lele <i>M/s. National Chemical Laboratory, Pune, Maharashtra</i>	Preparation and scale-up of Disentangled Ultrahigh Molecular Weight Polyethylene: A material 11 times stronger than steel.	9765462176 8793611169 9840553632 8806304887 7709580260 9326715683
	Runners- up	Dr. K.V. Govindarajan Mr. K. Premchand Mrs. Tanu Srivastava <i>BrahMos Aerospace Ltd, Hyderabad, Telangana</i>	Fluorinated top coat along with heat resistant primers developed for Indian Supersonic Missiles and Hypersonic Vehicles.	9849279623 8801484501 8125057770
Innovation in Polymeric Products	Winner	Dr. Smita Mohanty Dr. Akshya Kumar Palai Mr. Sagar Kumar Nayak	Indigenous development of polymer-ceramic based porous bed for separation of mixed ion-	9338053123 7978471635 9438151041

		Mr. Smruti Ranjan mohanty, CIPET:SARP, LARPM, Bhubneshwar, Orissa	exchange resins	9776597777
	Runners- up	Dr. Dibyendu Sekhar Bag & Dr. Gobardhan Lal Mr. Raj Kumar Dr. Durgeshnath Tripathi Dr. N. Eswara Prasad Defence Materials and Stores Research and Development Establishment (DMSRDE), DRDO DMSRDE Kanpur, U.P.	Product Development, Up- gradation of Manufacturing Process Technology, Certification and Free Flow Bulk Production of 'PEEK' LIGHTNING INSULATOR PIPES FOR LIGHT COMBAT AIRCRAFT (LCA-MK-1, TEJAS)	9839634983 7565046578 9795147472 9336504049 9490754173
Innovation in Polymer Processing Machinery, Equipments, Robotics & Automation	Winner	Mr. Suresh .I Mr. A. Vadivel Murugan Mr. Srinivasa Moorthy Mr. Balram S Mr. Veluchamy M/s. Shibaura Machine India Private Limited, Chennai, Tamilnadu	Multi Colour/Material Injection Moulding Machine for Anti- Counterfeit article production	8754409967
	Runners- up	Mr. Jigish R. Shah, Mr. Shailesh G. Brahmbhatt, M/s. Milacron India Private Limited, Ahmedabad, Gujarat	Q-Series 280 Mono sandwich Machine	9512950100
Innovation in Polymer Waste Management	Runners- up	Dr. N. R. Kamini Dr. N. Ayyadurai Dr. M. Aarthy Mr. George S. Antony	Biodegradation of polymeric materials by a non-conventional yeast	9840321556 9566715100 9840580527 9150769241

		CSIR-Central Leather Research Institute, Chennai, Tamilnadu		
Innovation in Green Polymeric Materials & Products	Runners- up	(Mr. Rajendra Prasad Bajpai Mr. Vivek Raj Bajpai) M/s Balasore Chemicals, Balasore, Odisha & Dr. Smita Mohanty CIPET:SARP – LARPM, Bhubneshwar, Orissa	Green nontoxic calcium zinc heat stabilizer as a replacement for toxic Lead based stabiliser for Polyvinyl Chloride (PVC) and eco-friendly preparation method thereof	9437063486 9338053123
Polymers in Agriculture and Water Conservation	Runners- up	Mr. Siddhartha Doshi M/s. Ray Colors, Anand, Gujarat	ALGRONIX - The Anti-Algae Masterbatch for Greenhouse Films	9825067427
Polymers in Medical and Pharmaceutical Applications	Winner	Dr. LIZYMOL PHILIPOSE PAMPADYKANDATHIL, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Kerala	Development of bio-active, radiopaque, non-cytotoxic, bone cement based on a novel in-situ polymerizable oligomer for orthopedic applications	9447216561
	Runners- up	Dr. S. Sridhar Dr. Nivedita Sahu Mr. Dileep Kumar Fothedar Mr. Badrachalam Nakuti Ms. Bhoga Arundhathi CSIR-IICT, Hyderabad, Telangana	Indigenous and Inexpensive Polymer Membrane-Resin Integrated Device for Production of Type-I And Type-II Ultrapure Water For Pharmaceutical, Distillery, Medical And Semiconductor Applications.	8790748674 9396934410 9032734447 9502134190 9490731386

<p>Innovation in Petrochemicals and Newer Polymers Applications</p>	<p>Runners- up</p>	<p>Dr. Rakshvir Jasra Dr. Pradip Munshi Dr. Santosh Agarwal M/s. Reliance Industries Limited, Vadodra, Gujarat</p>	<p>Development of chlorinated polyvinylchloride (CPVC) with superior mechanical and thermal properties produced by visible blue LED light mediated photochlorination in water</p>	<p>9724314454</p>
<p>Research in the field of Polymer Science & Technology (for Research Students of Academic Institute / Research lab)</p>	<p>Runners- up</p>	<p>Ms. Akansha Dixit Defence Materials and Stores Research and Development Establishment (DMSRDE), Kanpur, U.P</p>	<p>Development of Self-healing Acrylates and Hydrogels for Smart Applications</p>	<p>8840914407</p>