

**8th National Awards for Technology Innovation in
Petrochemicals & Downstream Plastics Processing Industry (2017-18)**

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

Category	Winners/ Runners- up	Name/ Awardees	Topic of Research	Contact
Development of New Polymers	Joint Winner	Reliance Industries Limited, Vadodara, Gujarat	Novel Polymer for High Performance Automotive Tyre Applications	9724314454
		Dr.Vimal Katiyar, Mr. Arvind Gupta Department of Chemical Engineering, IIT Guwahati, Assam.	Heat Stable Bioplastics for High Temperature Applications	7086050764 9884310593
	Joint Runners- up	Dr.Raja Shunmugam Department of Chemical Sciences IISER Kolkata Mohanpuer, Nadia, West Bengali	Multifunctional nanocarrier with a platinum prodrug as an efficient dual-imaging, site-specific cancer theranostic agent	9748897367
		Mr.S. Anthony Yesudass, Dr. Smita Mohanty CIPET: SARP, LARPM, Bhubaneswar, Orissa	Zwitterionic–polyurethane coatings for non-specific marine bacterial inhibition: A nontoxic approach for marine application	8712846461 9338053123
New Applications of Polymers in various	Winner	Dr.S.Sridhar, Ms. M. Madhumala,	Inexpensive Ultrafine Hollow Fiber Membrane Module for	8790748674 9052219592

fields		Ms. Harshanagar, Mr. Shiva Prasad, Dr. Y.V.L.Ravikumar CSIR-Indian Institute of Chemical Technology Hyderabad, Telangana .	Drinking Water Purification	9581971643 8074005765 9948043610
	Runners- up	Dr.Jitendra Sangwai Petroleum Engineering Program, Dept of Ocean Engg, IIT Madras, Chennai, Tamilnadu	Insitute Thermal Polymerization of Water-soluble Polymers in Petroleum Reservoirs for Improved Petroleum Resources Recovery	9884310594
New Polymer Processing Machine including Energy Efficiency	Joint Winner	Dr.Balasubramanian Defence Institute of Advanced Technology (DU), Ministry of Defence, Girinagar, Pune, Maharashtra.	Innovative Polymer processing of Nanocomposite by Chaotic Flow Design	7875593598
		Dr.Jitendra Sangwai, Mr. Chirag Khalde Petroleum Engineering Program, Dept of Ocean Engg, IIT Madras. Chennai, Tamilnadu	Horizontal Rheometer for Measuring Rheological Properties of Complex Polymeric Multiphase Fluids	9884310593 9763025709
	Runners- up	Mr.Jigish R. Shah Ferromatik Milacron India Private Ltd., Ahmedabad, Gujarat	Development of Hybrid Plastic Injection Moulding Machine for Cube Mould	9512950100
Innovation in Polymer Waste Management & Recycling	Winner	Dr.Nanda Gopal Sahoo Department of Chemistry, DSB Campus, Kumaun University, Nainital, Uttarakhand	Smart Synthesis of Carbon Nano material along with the production of High Value Added Fuel and Additives for the Concrete Mixture from Waste Plastic.	9456730659

	Joint Runner up	Dr.Anagha Sabnis Department of Polymer and Surface Engg., Institute of Chemical Technology, Mumbai. Mumbai, Maharashtra	Chemical recycling of PET and PU foam wastes using alternate energy resources for value added applications	9869362091
		Dr.Deepak Pant Chilgari, Dharamshala, Himachal Pradesh	Waste Plastic to Green Epoxy Paint	9816639032
Green/ Bio-degradable Polymer	Winner	Dr.Jayanta Haldar New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore, Karnataka	New Technology to Prevent Surgical Site Infection: A Novel Injectable Wound Sealant with Strong Adhesive and Antibacterial Properties	9449019745
	Runners- up	Dr.Murugesan Sri Paramakalyani, Centre of Excellence in Environmental Sciences, Manonmaniam Sundaranar University, Alwarkurichi, Tamilnadu	Production of Bioplastic / Biopolymer PHB using nutrient rich waste resource coir pith with high cost effective technology, less machinery uses, highly stable, water conservation.	9443407457
	Runners- up	Dr.Papita Das, Dr. Shubhalakshmi Sengupta Department of Chemical Engineering Jadavpur University, Kolkata, W.B.	Novel Biodegradable natural filler reinforced hybrid polymer composites	9903739855 9830723520