

**3rd National Awards for Technology Innovation in  
Petrochemicals & Downstream Plastics Processing Industry (2012-13)**

**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
Innovation in Polymeric Material	Runners- Up <b>(Individual)</b>	Dr. Niranjan Karak, <b>Professor and Head, Chemical Sciences Department Tezpur University, Tezpur, Assam.</b>	Novel High Performance Tough Hyper branched Epoxy Thermosets	9957184354
	Runners- Up <b>(Industry)</b>	<b>M/s Gharda Chemicals Ltd.</b> Thane, Maharashtra	An Economical Process to Manufacture ABPBI (2.5 Polybenzimidazole) parts.	(0251) 2803381
	<b>Winner (Academics &amp; R&amp;D Instititution)</b>	Mr. Jandas P J, Dr. Smita Mohanty & Prof. (Dr.) S K Nayak, <b>Laboratory for Advanced Research in Polymeric Materials (LARPM), Bhubaneswar, Orissa</b>	Polyimide Based Piezoelectric- Induced Pressure Pulse (Pipp) Films for Memes Applications	(0674) 2742852 2740173
	Runners- Up <b>(Academics &amp; R&amp;D Instititution)</b>	Dr. S Anitha & Dr. T S Natarajan, <b>Indian Institute of Technology- Madaras, Chennai, Tamilnadu</b>	Development of Electrospun nanocomposite Smart Material	091 44-22574860, 09940635983
Innovation in Polymeric	<b>Winner (Individual)</b>	Prof. Anindya Deb, <b>Centre for Product Design And</b>	Nanoclay -Polypropylene based Enhanced Automotive Upper	(080) 22932939

Products		<b>Manufacturing, Indian Institute of Science.</b> Bangalore, Karnataka	Interior Head Impact Safety Protection	
	<b>Winner (Industry)</b>	<b>M/s Shriji Polymers (India) Pvt. Ltd.,</b> Ujjain, Madhaya Pradesh	Child Resistant Cap	(0734) 2510144, 2526236
	Runners- Up <b>(Academics and R&amp;D Institution)</b>	<b>M/s Varroc Polymers Pvt. Ltd.-R &amp; D,</b> Aurangabad, Maharashtra	Conversion of CAC (Charged Air Cooler) tank from Metal to Plastic in TATA Safari	9673001373
Innovation of Polymer Processing Machinery & Equipments	<b>Winner (Individual)</b>	Mr. M J. Giridharn, Chennai, Tamilnadu	Multiport HDPE Saddle Welding Machine	9444072626
	Runners- Up <b>(Individual)</b>	Mr. Manoharmayum Manihar Sharma, <b>Nongmeibung Wangkheirakpam Leikai,</b> Imphal East (Manipur).	Solar Multi Silk and Muga Reeling cum Spinning Machine	986229413
	Runners- Up <b>(Industry)</b>	<b>M/s ELPIE Engineers Pvt. Ltd.</b> Rajkot, Gujrat	PP Non Woven Fabric Making Machine	9712973716
	Runners- Up <b>(Academics and R&amp;D Institution)</b>	Dr. T S Natarajan & Mrs. Ramani Dhandapani, <b>Indian Institute of Technology- Madras &amp; Physics Equipment Co.</b> Chennai, Tamilnadu	Design and Development of an Indigenous Electrospinning Apparatus for Preparing Nano Fibers of Polymers	091 44-22574860
Innovation in Polymer Waste	Runners- Up <b>(Industry)</b>	Mr. Shivendra Tewari, Ms. Amisha Gautam, Mr. Pritesh Singh, Ms. Aditi Nishad & Ms. Aditi Jain, <b>Lucknow</b>	Conversion of Waste Polythene to Ethanol	860440560

Management & Recycling Technology		<b>Public School,</b> Lucknow (UP)		
	<b>Winner (Academics and R&amp;D Institution)</b>	<b>CSIR- Indian Institute of Petroleum,</b> Dehadrun, Uttarakhand	Technology to convert waste plastics (Polyolefins) to automotive grade fuel and petrochemicals	(0135) 2660202/203
	Runners- Up <b>(Academics and R&amp;D Institution)</b>	<b>CSIR-CEERI,CSIR Madras Complex,</b> Chennai, Tamilnadu	On-line Sorting of Consumer Plastic Groups through Near Infrared Spectroscopy	8939719446
Innovation in Green Polymeric Materials & Products	Runners- Up <b>(Industry)</b>	<b>M/s S P C Biotech(P) Ltd.,</b> Hyderabad, Telangana	. Bioconversion of Mango Kernel An Agri -Waste to Bioplastics	66772866/69, 9908994250
	<b>Winner (Academics and R&amp;D Institution)</b>	Dr. S.T. Mhaske, Mr. Vilas S. Karande & M. Niranjan R. Sadekar <b>Department of Polymers and Surface Engineering, Institute of Chemicals Technology,</b> Matunga, Mumbai	Synthesis of Nanocellulose (Nanowhiskers and Nanofibers) and its Applications in Biopolymers to Enhance their Performance Properties	9930843522
	Runners- Up <b>(Academics and R&amp;D Institution)</b>	Ms. Sridevi Avancha, Mr. Ajaya Kumar Behera, Mr. Ramkrishna Sen & Dr. Basudam Adhikari, <b>Polymer Division, Material Science ,</b> <b>Centre,</b> <b>IIT-Kharagpur,</b> West Bengal	Biodegradable and eco-friendly jute soy composite and sapling pot.	9735444217
Polymers in Agriculture and Water Conservation	<b>Winner (Industry)</b>	<b>M/s Reliance Industries Ltd.,</b> Vadodara, Gujarat	Polymeric packaging for extending shelf life of agriculture, floriculture and horticulture produce	9724314454

	Runners- Up <b>(Industry)</b>	<b>M/s Godaveri Polymers Pvt. Ltd.</b> Hyderabad, Telangana	Break through Techniques in Drip in Line Lateral Design	9848030515
	Runners- Up <b>(Academics and R&amp;D Institution)</b>	Dr. (Mrs.) P. Nalayini & Dr. K . Sankarnarayanan, <b>Dr. (Mrs.) P. Nalayini &amp; Dr. K . Sankarnarayanan Central Insitute of for Cotton Research,</b> Coimbtore, Tamilnadu	Polyethylene mulch technology for moisture conservation, weed control and enhancing the productivity of cotton Maize cropping system	(0422) 2430045, 24341238
Polymers in Public Health Care	<b>Winner (Industry)</b>	<b>M/s Mohana Orthotics And Prosthetics Centre,</b> Chennai, Tamilnadu	Plastics in the field of Physically Handicapped	(044) 26176398
	Runners- Up <b>(Industry)</b>	Dr. K. P. Chellamani, D. Veerasubramanian & R. S. Vignesh Balaji, <b>The South India Textile Research association,</b> Coimbatore, Tamilnadu	Barbed Bi-directional Surgical Sutures	(0422) 4215333, 6544188, 9488249451
	Runners- Up <b>(Academics and R&amp;D Institution)</b>	<b>Advanced Research School for Technology &amp; Product Simulation (ARSTPS)- CIPET) &amp; Materials Science Group, Indira Gandhi Centre for Atomic Research (IGCAR),</b> Chennai, Tamilnadu	Design and Development of Non Magnetic and Non Metallic Gantry for Magtnetocardiography	+91442225479 4
Research in the field of Polymer Science & Technology	<b>Winner (Individual)</b>	Dr. Niranjana Karak, <b>Professor and Head, Chemical Sciences Department Tezpur University,</b> Tezpur, Assam	Biodegradable Tough Transparent Novel Hyperbranched Polyurethanes from Vegetable Oils	9957184354
	<b>Winner</b>	Prof.(Dr.) Mangala Joshi & Dr. Amitava	Polyurethane / Nanographite	(011) 2659

	<b>(Academics and R&amp;D Institution)</b>	Bhattacharyya, <b>Department of Textile Technology, Indian Institute of Technology- Delhi.</b> New Delhi	based Multifunctional Coatings for Defence Applications	6623
	Runners- Up <b>(Academics and R&amp;D Institution)</b>	Prof. (Dr. ) Pralay Maiti, <b>School of Materials Science &amp; Technology, IIT (BHU),</b> Varanasi, U.P.	Polymer Based Nano bio composites for Faster Bone Healing	0542-2307047 9935141321