

List of Prize / Award Winners 2019

Sl. No.	Name of Prizes/Awards	Divn.	Author(s)	Title of the Paper	Publication Details
1.	President of India's Prize	EL	Shikha Singh Bhim Singh G. Bhuvaneswari V. Bist	Unity Power Factor Operated PFC Converter Based Power Supply for Computers	Volume 99 Series B/Issue 1 Page
2.	The Institution Prize (2 Nos.)	MN	Ritesh D Lokhande, V M S R Murthy, K B Singh, Chandan Prasad Verma, A K Verma	Numerical Modeling of Pot-Hole Subsidence Due to Shallow Underground Coal Mining in Structurally Disturbed Ground	Volume 99 Series D/Issue 1 Page 93
		TX	Md. Arif Mahmud	Development of Modified Starch Coated Jute Fabric	Volume 99 Series E/Issue 2 Page 149
3.	K F Antia Memorial Prize	EN	M Sathiyamoorthy Madhavi Ganesan	Delineation of Groundwater Potential and Recharge Zone Using Electrical Resistivity Method Around Veeranam Tank, Tamil Nadu, India	Volume 99 Series A/Issue 4 Page 637
4.	Corps of Engineers Prize	AG	Pratik Ranjan Chaurasia, Subhash	A Low-Cost Indigenous Intervention which has Revolutionized the Drilling Technology and Changed the Life of Millions of Farmers in the State of Uttar Pradesh, India	Volume 99 Series A/Issue 2 Page 407

5.	The Institution Prize [Donated by Col G N Bajpai]	MC	Sandeep Rangrao Desai Sampat Pavitran	The Effect on Fin Pitch on Fluid Elastic Instability of Tube Arrays Subjected to Cross Flow of Water	Volume 99 Series C/Issue 1 Page 53
6.	Railway Board's 1st Prize	CV	S K Mandal A K Ghosh S Oraon	1 Controlled Blasting for Deconstruction of a Railway Bridge Near Sahibganj	Volume 99 Series A/Issue 2 Page 359
7.	Railway Board's 2nd Prize	MC	Krishnendu Mondal Santanu Das	An Investigation of Machinability during Turning Hardened Steel in Dry Condition	Volume 99 Series C/Issue 6 Page 637
8.	E P Nicolaides Prize	CV	S K Kirthika S K Singh	Experimental Investigations on Basalt Fibre-Reinforced Concrete	Volume 99 Series A/Issue 4 Page 661
9.	Corps of Electrical and Mechanical Engineers' Prize	PR	Vimal Kumar Pathak, Amit Kumar Singh, M Sivadasan, N K Singh	Framework for Automated GD&T Inspection Using 3D Scanner	Volume 99 Series C/Issue 2 Page 139
10.	Union Ministry of Water Resources — Department of Irrigation Prize	CV	Abinash Mohanta K C Patra	LES Modeling with Experimental Validation of a Compound Channel having Converging Floodplain	Volume 99 Series A/Issue 3 Page 519
11.	Union Ministry of Energy — Department of Power Prize	EL	Elizabeth Cherian G.R.Bindu P.S.Chandramohanan Nair	A Hybrid ac/dc Low Voltage Distribution Network for Improved Harmonics Management and Energy Conservation	Volume 99 Series B/Issue 6 Page 587

12.	Sir Arthur Cotton Memorial Prize	CV	R Balagopal N Prasad Rao R P Rokade P K Umesha	Experimental Investigations on Strengthening of Bolted Connections in Transmission/Communication Towers	Volume 99 Series A/Issue 2 Page 269
13.	Dr Jai Krishna Prize	CV	Vivek Hirave Mahesh Kalyanshetti	Seismic Response of Steel Braced Building Frame Considering Soil Structure Interaction (SSI): An Experimental Study	Volume 99 Series A/Issue 1 Page 113
14.	Sir Rajendra Nath Mookerjee Memorial Prize	MC	Abanti Datta Kalyan Prasad Sinhamahapatra	Investigation of the Influence of Convective Mach Number on Compressible Plane Jet Exhausting into Parallel Streams	Volume 99 Series C/Issue 4 Page 401
15.	Paidit Madan Mohan Malaviya Memorial Prize	EL	Subhadeep Bhattacharjee Subhajit Mohanta	An Inclusive Investigation of Conceivable Performance of Rice Straw Incinerated Electricity Generation	Volume 99 Series B / Issue 3 Page 245
16.	Sir Thomas Ward Memorial Prize	ET	Parimala P J.R. Rao	Image-Centroid Tracking with Fuzzy Nonlinear Function of Residuals Based Observer	Volume 99 Series B/Issue 5 Page 173
17.	Shrimati Saroma Sanyal Memorial Prize	EN	B G Gupta K M Agrawal Jayanta Kumar Biswas	Conservation of Ground Water at Maheshtala Bleaching and Dyeing Cluster, a Populated Area in West Bengal, India by Implementing Ultra filtration and Reverse Osmosis Based Effluent Treatment Plant – A Case Study	Volume 99 Series A/Issue 4 Page 705

18.	Nawab Zain Yar Jung Bahadur Memorial Prize	EN	Alok Kumar Gupta Bharat A Modi	Selection of Sustainable Technology for VOC Abatement in an Industry: An Integrated AHP-QFD Approach	Volume 99 Series A/Issue 3 Page 565
19.	Dr Rajendra Prasad Memorial Prize	MN	Ravi Varma Rambha, T X Ren	Investigation into the Propensity of Coal for Spontaneous Heating in Stockpiles	Volume 99 Series D/Issue 2 Page 225
20.	Hindustan Zinc Limited Prize	MN	Bhanu Chander Balusa, Jayanthu Singam	Underground Mining Method Selection Using WPM and PROMETHEE	Volume 99 Series D/Issue 1 Page 165
21.	N K Iyengar Memorial Prize	MC	Pandaba Patro Ani Rout Ashok Barik	Numerical Heat Transfer Prediction for Laminar Flow in a Circular Pipe with a 90° Bend	Volume 99 Series C/Issue 3 Page 323
22.	Dr Triguna Charan Sen Prize	TX	Mostafa Youssefi, Banafsheh Safaie	The Study on the Mechanical Properties of Multi-walled Carbon Nanotube/Polypropylene Fibers	Volume 99 Series E/Issue 1 Page 37
23.	Brij Mohan Lal Memorial Prize	CV	Hassan Irtaza Ashish Agarwal	CFD Simulation of Turbulent Wind Effect on an Array of Ground-Mounted Solar PV Panels	Volume 99 Series A/Issue 2 Page 205
24.	Prof R C Singh Prize	EN	Upendra D Patel Jayesh Ruparelia Margi Patel	Biodegradation of a Real Dye Wastewater Containing High Concentration of Total Dissolved Inorganic Salts (TDIS) in a Lab-Scale Activated Sludge Unit	Volume 99 Series A/Issue 1 Page 11

25.	Tata Rao Prize	EL	K.P.S.Rana Veneet Kumar Tapan Prasad	Enhancing Linearity of Voltage Controlled Oscillator Thermistor Signal Conditioning Circuit using Linear Search	Volume 99 Series B / Issue 3 Page 263
26.	Rekha Nandi and Bhupesh Nandi Prize	EN	P Rai N Gautam H Chandra	Investigating Electrostatic Precipitator Design Parameters for Efficient Control of Particulate Matter in Thermal Power Plant: A Case Study	Volume 99 Series A/Issue 2 Page 303
27.	Suchit Kumar Ghosh Memorial Prize	CV	Abey E Thomas	Effects of Irregular Bridge Columns and Feasibility of Seismic Regularity	Volume 99 Series A/Issue 3 Page 579
28.	Aerospace Engineering Division Prize	AS	Ramakrishnan Balasubramanian Karupannasamy Anandhanarayanan	Development of an Ideal Magnetohydrodynamics Flowsolver for High Speed Flow Control	Volume 99 Series C / Issue 5 Page 489
29.	Agricultural Engineering Division Prize	AG	Rudragouda Chilur, Sushilendra Kumar	Design and Development of Maize Dehusker cum Sheller : A Technology for Northern Transition Zone of Karnataka, India	Volume 99 Series A/Issue 2 Page 231

30.	Marine Engineering Division Prize	MR	K. Venkatasubbaiah K. Narayana Rao M. Malleswara Rao Suresh Challa	Performance Evaluation and Modeling of Container Terminals	Volume 99 Series C / Issue 1 Page 87
31.	Metallurgical and Materials Engineering Division Prize	MM	N Gayathri, Paramita Mukherjee	Study of Initial Stages of Ball-Milling of Cu Powder Using X-ray Diffraction	Volume 99 Series D/Issue 1 Page 125
32.	Production Engineering Division Prize	PR	Snehashis Sarkar, Santanu Das, Soumya Sarkar, Probal Kumar Das	Machining Performance of Hot-Pressed Carbon Nanotube Reinforced Alumina Cutting Tool Insert	Volume 99 Series C/Issue 6 Page 693
33.	SAIL Award 2019	–	Dr. S. K. Dutta	Scrap Supplements and Alternative Iron Making	–
34.	Dr M Visvesvaraya Award 2019	–	Balakrishnan Nair	Technology Strategy for Improved Safety Management in Steel Industry	–
35.	Coal India (J G Kumaramangalam Memorial) Award 2019	–	Prakash Gupta Palash Banerjee	Challenges in Large Open Cast Mine in respect of Production, Safety & Green Mining Initiatives and Way Forward	–
36.	H Nandy Memorial Award	–	Nand Kishor (ST 6735504)	For being the topper in Section B Examination in Materials and Metallurgical Engineering discipline of the Institution considering both Summer 2018 and Winter 2018 Examinations	