

Registered Papers in ICMED2020

Sl.No	Paper ID	Authors	Titles
1	3	Ram Subbiah, N Sateesh, S.K Singh, S Ravi Sekhar, B Tanya and A Anitha Lakshmi	Formation of Multiple Phase Microstructure and Assessment of Wear Properties on Treated AISI 904L Stainless Steel by Plasma Nitriding Process at Low Temperature
2	4	M.Mamatha Gandhi, Animesh Bain, Rohith P, R Srilatha and Ram Subbiah	Structure and Topography Modifications of Treated AISI 316LN Stainless Steel Surfaces after Friction in Dry Sliding Contact by Case Hardening Process
3	5	K Ramya Sree, G Keerthi Reddy, K Aishwaryaa, E Nirmala Devi and Ram Subbiah	New Insights of Wear Behavior Analysis on Low Temperature Treated AISI 253MA Stainless steel Material by Ion Nitriding Process
4	6	Jayahari Lade, S.M.Hussaini Syed, Nagachary Kalluri and Sharath Chandra Challa	Anisotropic Study of Inconel 718 alloy at Sub-Zero temperatures
5	8	S Ravi Sekhar, D Govardhan, R Karthikeyan and Ram Subbiah	Influence Of Process Parameters On Physical And Mechanical Parameters Of Friction Surfaced Deposits On Low Carbon Steel
6	9	Anitha Lakshmi Akkireddy, Swathi Priya, Tanya Buddi, Bandhavi Challa and Ram Subbiah	Investigation of Microstructure and Mechanical Properties of Austenite Stainless Steel 304 during Tempering and Cryogenic Heat Treatment
7	10	Nadimpalli Venkata Ganapathi Raju, Mr V Vijaya Rama Raju, Mrs. V Shailaja and Sugandha Padullaparti	IOT based Solar Energy Prophecy using RNN Architecture
8	11	Sateesh Nagri, Devakar Reddy S, Ram Subbiah, Siva Nagaraju D and Nookaraju Bch	Process Parameters Optimization of Injection Moulding in DN20 Vent of Water Meter Manufacturing
9	13	Bharathi Panduri, Madhurika Vummenthala, Spoorthi Jonnalagadda, Ashwini Garwandha, Nagamani Naruvadi and Akhila Amanagati	Dynamics and an Efficient Malware Detection system using Op-code sequence graph generation and ML Algorithm
10	15	Bhavani Ratakonda, Ajay Therala and Chanikya Kumar Hanumanthu	Driving License Detection Using Qr Code
11	16	Latha Kunaparaju, Sreethi Musunuru, Mahaalakshmi Mukkamala and Nadimpalli Venkata Ganapathi Raju	A Comparative Study using Feature Selection to Predict the Behaviour of Bank Customers
12	17	P Sai Kiran, Bobba Phaneendra Babu and Yadlapalli Satyavani	Comparision of GAN,SIC,SI Technology of High Frequency High Efficiency Inverters
13	19	Satyanarayana Kosaraju, Swathi Are, Neeraja Kesari, Samaikhya Medipaly and Raj Kiran K	Taguchi Optimisation In Machining EN18 Using Coated Tool Under Dry and MQL Condition
14	20	Satyanarayana Kosaraju, Sreenivas Reddy Gayam, Srikar Chitimilla, Gnyaneshwar Janaswami, Shyam Prasad Yedla and Raj Kiran K	Experimental Investigation on Machining EN45 Steel under Dry and MQL using Uncoated Inserts
15	21	U S Jyothi and G Jeevan Kumar	Impact of Nano additives on optimized Mahua Bio-diesel Performance
16	22	Dolagobinda Padhan, Sarfaraz Nawaz Syed and Padmanabhuni Ravikanth	A Fractional Order Control Strategy for LFC Via Big Bang Big Crunch & Grey Wolf Optimization Algorithms
17	25	Ravi V Angadi, Venkataramu P. S and Suresh Babu Daram	Role of Big Data Analytics in Power System Application
18	26	Rohit Sai Krishna Anusuri, Vamshi Krishna Bandarupally, Harshith Devarasetty, Sashank Tamilarasan and Ram Subbiah	Investigation Of Mechanical Properties Of Aisi 316 Stainless Steel By Carbonitridingprocess

19	27	Shivani Koppula, Aakula Rajkumar, Siram Hari Krishna, Reddi Sai Prudhvi, Siripuram Aparna and Ram Subbiah	Improving The Mechanical Properties Of Aisi 2205 Duplex Stainless Steel By Cryogenic Treatment Process
20	28	Lakshmi Deepak Tadepalli, Ananda Mithra Gosala, Lokesh Kondamuru, Sai Chandra Bairi, A. Anitha Lakshmi and Ram Subbiah	Assessment Of Properties On Aisi430 Ferritic Stainless Steel By Nitriding Process
21	29	Gandla Lakshmi Prasanna, G Keerthi Reddy and Dr. Ram Subbiah	Evaluation of properties of AISI 431Grade Stainless Steel by Vacuum Annealing Process
22	30	Gandla Lakshmi Prasanna, Dr.J Saranya and Dr. Ram Subbiah	Assessment of AISI 431Grade Stainless Steel properties by Vacuum Tempering Process
23	31	Manne Vamshi, Dr.J Saranya and Ram Subbiah	Improvement Of Characteristics Of Aisi 310 Grade Stainless Steel Material By Carburizing
24	32	Manne Vamshi, Animesh Bain, M Sreekanth and Ram Subbiah	Wear Characteristics Of Aisi 310 Grade Stainless Steel Material By Carbonitriding Process
25	33	Hemlata Dalmia and Sanjeet K. Sinha	Analog to Digital Converters (ADC): A Literature Review
26	34	B Ch Nookaraju, B. Hemanth Sai, K.V.N.S Himakar and Sateesh N	Experimental Investigations and Optimization of Process Parameters of Meshed-Wick Heat Pipe
27	35	B Ch Nookaraju	Turbulent fluid flow and heat transfer analysis of heated rectangular blocks encountered in electronics enclosures
28	36	Ravindra K. Misra and Rajesh K. Porwal	Optimization of Metal Inert Gas Welding Process during Joining of Structural Steels- An Overview
29	44	Bairoju Shankarachary, Nagari Sateesh, Lavu Gopinath and Siripuram Aparna	Effect of permeability on GFRP laminate produced by VARTM process
30	48	Suresh Kumar Duvva and Srikar Pendem	A Review on Comparison of Mechanical Properties of Dissimilar Steels Welded By TIG and MIG
31	51	Utakarshika Chandra and Rajesh Kr Porwal	A comprehensive study to select suitable method to enhance mechanical properties during 3d printing of metallic materials
32	52	Anas Islam, V.K. Dwivedi and Kamal Sharma	FEM Analysis of Robotized Arc Welded Joint
33	54	Sunil Kumar Reddy K, Kannan M, Karthikeyan R, Prashanth S and Rohith Reddy Bakaram	A Review on Mechanical and Thermal Properties of Aluminum Metal Matrix Composites
34	55	Dinesh Dhawale and Vikram Kumar Kamboj	Scope Of Intelligence Approaches For Unit Commitment Under Uncertain Sustainable Energy Environment For Effective Vehicle To Grid Operations-A Comprehensive Review
35	58	Nitin Pawar, Dr. Vijay Kumar Tayal and Pallavi Choudekar	Design of Flying Capacitor Multilevel Inverter for Solar Energy Applications
36	59	Anitha Lakshmi Akkireddy, Tanya Buddi, Ram Subbiah and Bandhavi Challa	Formability Studies of Automotive Aluminium Alloy Sheet series: A Review

37	62	Shreyash Sonawane, Pallavi Patil, Ramkrishna Bharsakade and Pankaj Gaigole	Optimizing Tool Path Sequence Of Plasma Cutting Machine Using TSP Approach
38	63	Govind Kumar Rajput, Adesh Yadav, Ajay Kumar, Abhishek Gautam, Anand Tiwari, Naladi Ram Babu and Tirumalasetty Chiranjeevi	Design of TID controller based on firefly algorithm for controlling the speed of a D.C. Motor
39	65	Vsm Ramakrishna R and Gautam Jp	Optimization of post weld heat treatment cycle of fiber laser welded bainitic steel
40	66	Satyavolu Sravan Sashank, S Rajakumar, Rajagopalan Karthikeyan and Dusanapudi Sivanagaraju Pitchaiah	Weldability, Mechanical Properties and Microstructure of Nickel Based Super Alloys: a review
41	67	Krishna Patel and Vijay Makwana	Performance Investigation of Grid-Connected DFIG using Integrated Shunt Active Filtering Capabilities
42	68	V.V.N. Satya Suresh, A Suresh, Srinivasa Prakash Regalla, P. Venkata Ramana and O Vamshi	Sustainability aspects in the warm forming of tailor welded blanks
43	69	Kunduru Laxmi Pavan Kumar Reddy and Dola Padhan	Relay Feedback Identification based Load Frequency Control and Controller Design
44	70	B.Robin Raj, Barla Madhavi and T Govardhan	A Review on Intelligent Fault Detection in Rolling Element Bearings
45	71	Pradeep Kumar Manne, Nutenki Shravan Kumar, Tanya Buddi, A Anitha Lakshmi and Ram Subbiah	Powder Metallurgy Techniques for Titanium Alloys-A Review
46	72	Jashan Kumar Mainra, Akshpreet Kaur and Gaurav Sapra	Optimization of Triboelectric Nanogenerator for Small Power Electronics
47	73	Pankaj Kumar and Syed Gazanfar Mustafa Ali	Emerging trend in manufacturing of 3D biomedical components using selective laser sintering: A review
48	75	Satyanarayana Kosaraju, Ruthwik Aki, Phanindra Ksv, Dharma Teja Nv, Siddhartha S and Rajkiran K	Taguchi optimisation of Turning Inconel 600 under dry and MQL condition using uncoated Tool
49	78	Akhilesh Kumar Singh, Giri Vijay Temmanaboina, Prasanth Gummalla and Pramod Kumar	An Approach for Future-Oriented Framework Design: A Tool for Design Research
50	79	Butchi Raju K and Komala Ch	A Survey on a Nonlinear Regression Application to Machine Learning Techniques for Geomagnetic Data Reconstruction Processing
51	81	Satyanarayana Kosaraju, Raj Kiran Kumkama and Sai Kiran Kalemula	Study and Optimisation of Process Parameter In Turning Of EN 45 - Spring Steel Material Under Dry And MQL Conditions
52	82	Arshi Mirza, Nasreen Md and Karanam Madhavi	A Survey of DDOS Attacks Using Machine Learning Techniques
53	83	Manisha Nilugonda and .Karanam Madhavi	A Survey on Big Five Personality Traits Prediction Using Tensorflow
54	84	Varada Anil Hemanth and U.S Jyothi	CFD Analysis of a Solid Propellant Retro Rocket Motor using Ansys Fluent

55	85	Geethika Kumhari, Vinay Kumar Awaar and Praveen Juggle	Adoption of Multilevel Inverter based Dynamic Voltage Restorer for Power Quality Improvement with Adjustable DC-Link
56	86	Venkata Suresh Javvadi, Bhramara Panitapu, Rajith Gangam and Hrishikesh Kulkarni	A review on Mechanism of fluid flow and Transfer of Heat in Closed Loop Pulsating Heat Pipe
57	87	Venu Gopal Mangali, Shravan Kumar P, Vinay Kumar Awaar and Praveen Juggle	DSP based Voltage Source Inverter for an application of Induction Motor control
58	88	Malla Bhagya Lakshmi Nageswari and U.S. Jyothi	Aerodynamic Analysis Of Railway Wagon On Drag Coefficient
59	90	Ashish Khaira, Ravi K. Dwivedi and Sanjay Jain	Structural Health Monitoring (SHM) of Machine Using a Combination of Non-Destructive Testing for Heavy Manufacturing Industry
60	92	Satyanarayana Kosaraju, Raj Kiran Kumkuma and Sai Kiran Kalemula	Experimental investigation in machining EN18 using coated tool under dry and MQL condition
61	93	Anusha Anugu and Dr. Gajula Ramesh	A Survey on Hybrid Machine Translation
62	94	Bhavana R, Omsekhar Indela and Mohammed Sajid Yaragatti	Functional Safety Requirements Of Traction Inverter In Accordance To Iso 26262
63	95	Phaneendra Babu Bobba, Jagadeesh Chirisavada and Himavarsha Gajala	Extensive review on laminated busbars used in high frequency inverters
64	97	Meghna Talari, Krishna Chythanya.N and C.R.K.Reddy	CODE2VEC Based Cognitive Agent System to Retrieve Relevant Code Component from Repository
65	99	Chamana H Ram Jeetesh, Yerubandi Sai Sriram and Kayiram Kavitha	Smart Privacy Protection for Location-Based Services using Queueing Modelling
66	98	Gayatri Chavan and Sridhar S	Speed Control of Dual Induction Motor Using Five Leg Inverter
67	100	satyanarayana Kosaraju, Rajkiran K, Anil kumar P, Chakradhar D	A Role of cryogenic in Wire cut EDM process
68	101	Phaneendra Babu Bobba, Sai Vasudeva B, Venkata Rupesh Bharadwaj Y, Karthik Kc and Naveen Kumar Marati	ANN based Battery Health Monitoring - A Comprehensive Review
69	102	Ch. Leela Kumari and Dr. Vikram Kumar Kamboj	An Effective Solution to Single-Area Dynamic Dispatch Using Improved Chimp Optimizer
70	103	Ayani Nandi and Dr. Vikram Kumar Kamboj	A Novel Solution to Profit Based Unit Commitment Problem Considering PEVs/BEVs and Renewable Energy Sources
71	104	Sushil Prashar, Vikram Kumar Kamboj and Kultaar Deep Singh	A Cost Effective Solution to Security Constrained Unit Commitment and Dispatch Problem using Hybrid Search Algorithm
72	C1	DAS Mohd Areef , P Srinivasa Rao, V Srinivasa Reddy, D Mohd Azeem Zubair	Flexural behaviour of steel fibre reinforced concrete beams made with copper slag as partial fine aggregate replacement

73	C2	V Srinivasa Reddy, Thoodi Prashanth, M V Seshagiri Rao, S Shrihari	Effect Of Organic And Inorganic Corrosion Inhibitors On Strength Properties Of Concrete
74	C3	D Adinarayana, Srinivasa Rao P, V Srinivasa Reddy	Pore Structure Analysis of Ternary blended Concrete made with various water-binder ratios
75	C4	S.Venkatcharyulu, Dr.V. Mallikarjunareddy	Traffic volume Analysais of Newly Developing semi-urban Road
76	C5	S.P.Raju.V, Dr T Srinivas, Martha Saikumar, P. Rahul	Experimental Study on Compressive Strength, Water Retention And Water Absorption of Self Curing Concrete With Different Curing Conditions
77	C6	Dr.Vanathi, M.,Dr.K.Radhika, Ms. G.Swetha	A Sustainable Study On Permeable Concrete Using Bagasse Ash And Rice Husk Ash As A Partial Replacement Of Cement
78	C7	K. Sai Gopi , S. P. Raju V, Dr. T. Srinivas	Feasibility Study of Recycled Plastic Waste as Fine Aggregate in Concrete
79	C8	Dr.V. Mallikarjuna Reddy, S. Hamsalekha	Smart Concrete Curing System
80	C9	Y. Kamala Raju C. Vivek Kumar	Experimental Investigation on Design of Thickness for Flexible Pavement Subgrade Soils using CBR Approach
81	C10	C Vivek Kumar, Patam Manisha , Pooja Sadula	Behavior of Monotonic Loading for Glass Fibre based High Performance Concrete in External Beam-Column Joint using ANSYS. Analysis
82	C11	Dr.G.V.V. Satyanarayana, G. Praveen Kumar	Experimental Investigation On Foam Concrete With Partial Replacement Of Fine Aggregate By Fly Ash And Cement By Alccofine
83	C12	S.Venkat Charyulu , Dr.G.K.Viswanadh	Model Study Of Decision Support System for Water Management
84	C13	Chandrakanth V, Srikanth Koniki	Effect of elevated temperature on geo-polymer concrete – A Review
85	C14	Niveditha M, Srikanth Koniki	Effect of Durability properties on Geopolymer concrete – A Review
86	C15	Vemundla Ramesh, Dr.Koniki Srikanth	Mechanical Properties and Mix Design of Geopolymer concrete – A review
87	C16	G. Nirmala, Atulkumar Manchalwar	Behaviour of the water tank staging with aluminum and steel X-plate damper.
88	C17	Dr. G.V.V. Satyanarayana, G Mahesh	Experimental Investigation on Workability and Density of Medium-Range Foam Concrete with Hybrid Fibers
89	C18	C Lavanya , Nandyala Darga Kumar	Foundation Types for Land and Offshore Sustainable Wind Energy Turbine Towers
90	C19	Srinivas.T, Abhignya.G, Ramana Rao.N.V	A Review on Geopolymer RCC Beams made with Recycled Coarse Aggregate

91	C20	Dr. T. Srinivas , S. V.Srinidhi, Dr. N.V. Ramana Rao	A Review on Flexural Behavior of RCC Beams Made with Geopolymer Concrete
92	C21	Imadabathuni Chandana, Ch Shailaja, G Ravalika, A Varsha	Analysis and Design of RC Structure With Light Weight Bricks Using ETABS
93	C22	G. Jyothi Sravya, A. Manchalwar	Comparison of Seismic isolation with U-shaped metallic isolator and Soil structure Interaction
94	C23	P.Santhi Raj, Dr. G.V.V.Satyanarayana, M.Sriharshavarma.	Investigation on workability of M20 grade concrete with partial replacement of crumb rubber and m sand for fine aggregates and fly ash for cement
95	C24	Omprakash Reddy, A. Manchalwar	Performance of 2-D Frame Equipped With Base isolation System under Dynamic Loadings
96	C25	C Vivek Kumar, MD AimanParvez, T Srinivas	Strength Behaviour of Blended Self Cured Concrete made with Cement by partial replacement of Supplementary Cementitious Materials
97	C26	Dr.T.Srinivas, P.Bhavana, Dr. N. V. Ramana Rao	Effect of Manufactured Sand on Flexural Behavior of Geopolymer RCC Beams: A review
98	C27	Dr.G.V.V.Satyanarayana, P.Gayathri	Behavioral Studies On Triple Blended Foam Concrete
99	C28	S.Venkatcharyulu, Rathod Ravinder, Y.Kamala Raju	Evaluation Of Groundwater Quality Of Bachupally ,Nizampet And Pragathinagar Village