



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution and affiliated to Anna University, Chennai)
Kuniamuthur, Coimbatore - 641 008



DEPARTMENT OF MECHATRONICS ENGINEERING

Details of Journal Publications (2023 - 2024)

S.No	Indian/International Journal	WoS/Scopus /Wos&Scopus	Name of the Author Claiming the publication	Title of the Paper	Name of the Journal	Month of publication	Year of publication
1	International Journal	Scopus & WoS	Dr.R.Gopinathan	Battery-Based Energy Storage and SolarSolar Technologies Integrated for Power Matching and Quality Improvement Using Artificial Intelligence	Electric Power Components and Systems	June	2023
2	International Journal	Scopus & WoS	Dr.D.Pritima	Investigations on Silicon Carbide Reinforced High Entropy Alloy (CoCrNiMnFe) matrix Composites Produced by Powder Metallurgy Process	Silicon	July	2023
3	International Journal	Wos	Dr. R. Gopinathan	Influences of various metal oxide-based nanosized particles-added algae biodiesel on engine characteristics	ENERGY	August	2023
4	International Journal	Scopus & WoS	S. Madhankumar	A review on the latest developments in solar dryer technologies for food drying process	Sustainable Energy Technologies and Assessments	August & 2023	2023
5	International Journal	Scopus & WoS	D.V.Narasimharaj	Enhancing the fatigue strength of stir-casted Al7075-SiC composites through heat treatment and shot peening	Physica scripta	September & 2023	2023
6	International Journal	Scopus & WoS	Dr.S.Dinesh	Computer vision for unmanned aerial vehicles in agriculture: applications, challenges, and opportunities	The Scientific Temper	September & 2023	2023
7	International Journal	Scopus & WoS	Dr.G.Veerappan	Effects of ZnO addition on the microstructure/corrosion, wear and mechanical properties of sintered Mg-Al matrix composites	Journal of Alloys and Compounds	October & 2023	2023
8	International Journal	Scopus & WoS	Dr.T.A.Selvan	Exploring the Metallurgical and Mechanical Characteristics of Magnesium/Silicon Carbide Surface Composites Manufactured via Friction Stir Processing	Journal of The Institution of Engineers (India): Series D	October 2023	2023
9	International Journal	Scopus & WoS	Dr.D.Pritima	Optimization of welding parameters for better tensile strength through Coupled Genetic Algorithm and Firefly Algorithm for AA7010-SiC-Al2O3 hybrid composite	Journal of Ceramic Processing Research	December 2023	2023
10	International Journal	Scopus & WoS	Dr.J.Justin Maria Hilary	Friction and wear optimization of SiC/graphite reinforced AZ31 hybrid composite using Taguchi method	IJIDeM	December 2023	2023

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11	International Journal	Scopus & WoS	M.Vigneshwaran	Effect of kapok seed powder on mechanical and water intake properties of untreated kenaf fiber composites	Materials Today proceeding	December 2023	2023
12	International Journal	Scopus & WoS	M.Vigneshwaran	Distinctive Study on Banana/Sisal Fiber Hybrid Composites Filled with Nano Marble Dust	Materials Today proceeding	December 2023	2023
13	International Journal	Scopus & WoS	M.Vigneshwaran	The Effects of Nano-Alumina Particles on the Enrichment of Tensile, Flexural and Impact Properties of Carbon	Materials Today proceeding	November 2023	2023
14	International Journal	Scopus & WoS	Dr.J.Justin Maria Hilary	Analysis of interfacial heat transfer coefficients in squeeze casting of AA6061 aluminum alloy with H13 steel die: Impact of section thickness on thermal	Thermal Science	January 2024	2024
15	International Journal	Scopus & WoS	S.Madhankumar	Environmental Challenges and Economic Assessment of Methanol Production Process	Reference Module in Chemistry, Molecular Sciences and Chemical Engineering	February 2024	2024
16	International Journal	Scopus & WoS	S.Madhankumar	Co-production of Bi-methanol From Biomass	Reference Module in Chemistry, Molecular Sciences and Chemical Engineering	February 2024	2024
17	International Journal	Scopus & WoS	S.Madhankumar	Performance analysis of indirect solar dryer with natural heat energy retention substances for drying red chilli	Sustainable Energy Technologies and Assessments	February 2024	2024
18	International Journal	Scopus & WoS	Dr.T.A.Selvan & S.Madhankumar	Optimization of the microelectrochemical drilling response variables of Inconel 718 alloy by grey relational analysis	Materials Today: Proceedings	April 2024	2024
19	International Journal	SCOPUS	Dr.M.Lydia	Condition monitoring in wind turbines: a review	Non-Destructive Testing and Condition Monitoring Techniques	June	2023
20	International Journal	WOS	Dr.G.Veerappan & Dr.D.Pritima	Effect of Copper on Mechanical Properties and Corrosion Behavior of Powder Metallurgy Processed Ni-Co-Cr-Fe-Mn-Cux High Entropy Alloy	Arabian Journal for Science and Engineering	July	2023
21	International Journal	Scopus	Dr.D.Pritima	Friction Stir welding Experimentation and Surface Morphology on Niobium Aluminium 7068 Joint	International Journal of Vehicle Structures and Systems	December	2023
22	International	Scopus	Dr.J.Indrapriyadharshini	Design and fabrication of automatic sterilization system for industrial tools	AIP conference proceedings	June & 2023	2023

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23	International	Scopus	Dr.J.Indrapriyadharsini	Design and fabrication of automatic emergency braking system	AIP conference proceedings	June & 2023	2023
24	International	Scopus	D.V.Narasimharaj	Smart Farming: Intelligent Animal Detection Framework in Agriculture using IoT Sensors	IEEE Conference	July 2023	2023
25	International	SCOPUS	Dr.M.Lydia	Temporal Dengue Outbreak Prediction from Climatic Variables using Finite Element Machines for Regression	International Conference on Systems, Signals, and	July	2023
26	International	SCOPUS	Dr.M.Lydia	A Historic-Best Particle Swarm Optimization Approach for Trust-based Routing in Smart Grid Networks	International Conference on Systems, Signals, and	July	2023
27	International	Scopus	K.Ananthi	A Study on Various Types of Lamps used in Domestic Sector and their Impact on Energy Efficiency	IEEE Conference	July 2023	2024
28	International	Scopus	Dr.D.Pritima	Design and Fabrication of Adhesive Application System for Magnets in Motors	2023 4th International Conference on Electronics and	August & 2023	2023
29	International	Scopus	Dr.K.Ananthi	Efficient Warehouse Management System with Automated Storage and Retrieval	2023 8th International Conference on Communication and	August & 2023	2023
30	International	Scopus	D.V.Narasimharaj	A deep learning framework for prediction of Heart Diseases from Clinical Observations	IEEE Conference	August & 2023	2023
31	International	Scopus	Dr.J.Indrapriyadharsini	Prediction of Weather Forecasting with Long Short-Term Memory using Deep Learning	2023 4th International Conference on Smart Electronics and	October	2023
32	International	Scopus	Dr.D.Pritima	Design and Fabrication of Autonomous Robot Butler	2022 International Conference on Innovations in Robotics,	December	2023
33	International	Scopus	Dr.S.Balasubraman	Regenerative suspension system using linear magnet system	AIP Conference series	December	2023
34	International	Scopus	Dr.S.Balasubraman	Survey on natural fibre composite: Manufacturing techniques, mechanical behaviour and various chemical treatments	AIP Conference series	December	2023
35	International	Scopus	Dr.S.Balasubraman	Performance study on draft tube in Kaplan turbine	AIP Conference series	December	2023
36	International	Scopus	Dr.S.Balasubraman	Machinability studies on aluminium and its alloys - A literature review	AIP Conference series	December	2023

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37	International	Scopus	Dr.S.Balasubraman	Studies on particle separation equipment – A review	AIP Conference series	December	2023
38	International	Scopus	Dr.R.Manikandan	Studies on developing a humanoid facial expressive robot	AIP Conference series	December	2023
39	International	Scopus	Dr.N.Mithran	Security Framework for Net Gun-Equipped Unmanned Aerial Vehicles	AIP Conference series	December	2023
40	International	Scopus	Dr.K.Ananthi	Automated sand depositing system for sand casting process	AIP Conference Proceedings	December	2023
41	International	Scopus	Dr.J.Indirapriyadharshini	Design and Fabrication of Autonomous Robot for Crop Yield Prediction and Analysis using Machine Learning Algorithms	AIP Conference series	December	2023
42	International	Scopus	Dr.J.Indirapriyadharshini	Design and Fabrication of 5 Degrees of Freedom Robotic Arm	AIP Conference series	December	2023
43	International	Scopus	Dr.J.Indirapriyadharshini	Next-Generation Digital Healthcare Cloud Folder for Patients	AIP Conference series	December	2023
44	International	Scopus	Dr.J.Indirapriyadharshini	Design and Fabrication of IoT Based Mechanized Loading and Unloading of Gunny bags in Godowns	2023 International Conference on Self Sustainable Artificial	December	2023
45	International	Scopus	Dr.J.Indirapriyadharshini	Design and Fabrication of Smart Inspection System for Industrial Products Using ML Algorithm	2024 International Conference on Self Sustainable Artificial	December	2023
46	International	Scopus	S.Nithyapriya	Automatic Seed Dessinator	AIP conference proceed	December	2023
47	International	Scopus	S.Panneerselvam	Innovative Study on Friction Stir Welding	AIP Conference Proceeding	December	2023
48	International	Scopus	S.Panneerselvam	Design of plant incubation system	AIP Conference Proceeding	December	2023
49	International	Scopus	R. Priyadharshini	Component Carrying Automated Guided Vechile	AIP Conference Proceeding	December	2023
50	International	Scopus	R. Priyadharshini	Six-Wheeled Material Handling Robot with 3-DOF Robotic Arm	AIP Conference Proceeding	December	2023

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51	International	Scopus	M. Vigneshwaran	Design and Fabrication of Smart Electric Bike	AIP Conference Proceeding	December	2023
52	International	Scopus	T.Vignesh	Braille board actuates text into braille code using solenoid actuator	AIP Conference Proceeding	December	2023
53	International	Scopus	T.Vignesh	Detection of Adulteration in Spices, Milk, Fruits	IEEE - 2023 14th International Conference on	November	2023
54	International	Scopus	Dr.R.Manikandan	Actuation of Braille Text into a Braille Code and Braille Board with Navigation system	IEEE Conference	Jul-24	2024