



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
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DEPARTMENT OF MECHATRONICS ENGINEERING

DETAILS OF JOURNAL PUBLICATIONS (2022 - 2023)

Sl.No.	Indian/International Journal	SCOPUS/WOS	Name of the Faculty	Title of the paper	Month & Year of Publication	Name of the Journal/Conference
1	International Journal	Scopus & WoS	Dr. M. Lydia	Wind Turbine Energy Cost Optimization using Various Power Models	1 August 2022	WSEAS Transactions on Power Systems
2	International Journal	Scopus & WoS	Dr. M. Lydia	Mathematical modeling of real time wind power density using the transformation technique	June 2022	Przeglad Elektrotechniczny
3	International Journal	Scopus	Dr.T.A.Selvan	Electrical discharge machining process variable assessment on Al7075 mixed composite materials utilising multi-criteria optimization method	August 2022	Materials today: Proceedings
	International Journal	Scopus	Dr.T.A.Selvan	An empirical study of the impacts of parameters in micro electrochemical drilling of Al 7075 alloy composites with SiC and fly-ash	October 2022	Materials today: Proceedings
4	International Journal	Scopus & WoS	Dr.D.Pritima	An Intelligent hyperparameter tuned deep learning enabled human activity recognition for improved medical services	June 2022	Computer system science and engineering (A1)
5	International Journal	Scopus & WoS	Dr.D.Pritima	Investigation and finite element simulation on the MRR and tool wear of aluminium silicon alloy during turning process	June 2022	<u>Surface Topography: Metrology and Properties, Volume 10, Number 2</u>
6	International Journal	Scopus & WoS	Dr.D.Pritima	Influence of cryogenic treatment on tool life, flank wear and surface roughness for machining nickel based super alloy-Haynes 282	1 April 2022	Materials Today Proceedings
7	International Journal	Scopus	Dr.R.Gopinathan	Behaviour of	August 2022	Materials Today: Proceedings
8	International Journal	WoS	Dr.R.Gopinathan	A study on positive and negative effects of social media on society.	July 2022	International Journal of Early Childhood Special Education (INT-JECSE)
9	International Journal	WoS	Dr.V.Narasimharaj	Design and Fabrication of Automated Soap Cutting Machine	Sep-22	JOURNAL OF PHARMACEUTICAL NEGATIVE RESULTS
10	International Journal	WoS	Dr.R.Gopinathan	A Study on Prosocial behaviour of Days scholar and Hostel students	July 2022	International Journal of Early Childhood Special Education (INT-JECSE)
11	International Journal	Scopus & WoS	Dr.R.Manikandan	Influence of cowpat ash particles on micro structure, mechanical and tribological properties of Al 7075 composites	1 August 2022	JCPR
12	International Journal	Scopus & WoS	Dr.G.Veerappan	Effect of Copper on Mechanical Properties and Corrosion Behavior of Powder Metallurgy Processed Ni-Co-Cr-Fe-Mn-Cux High Entropy Alloy	July 2022	Arabian Journal for Science and Engineering

13	International Journal	Scopus & WoS	Dr.G.Veerappan	Experimental investigation on machining behavior in dry turning of nickel based super alloy- Inconel 600 and analysis of surface integrity and tool wear in dry machining.	28 April 2022	Materials Today Proceedings
14	International Journal	Scopus & WoS	Ms. K. Ananthi	Performance Analysis of Effective Controller for Active Power Filter using PUC5 Inverter for Improving Power Quality	July 2022	Journal of Electrical Engineering and Technology
15	International Journal	Scopus	Ms. K. Ananthi	Security Enhancement of Fog Nodes in IoT networks using IBF scheme	July 2022	Springer
16	International Journal	Scopus	Dr.M.Bhuvanewari	Internet of Things based Intelligent Waste Segregation and Management System for Smart Home Application	August 2022	7th International Conference on Communication and Electronics Systems (ICCES) IEEE Xplore
17	International Journal	Scopus	Ms. S. Nithya Priya	Automatic pit digging robot for seed sowing	June 2022	IEEE Xplore
18	International Journal	Scopus & WoS	Mr.S.Madhankumar	Computational and experimental study of a novel corrugated-type absorber plate solar collector with thermal energy storage moisture removal device	October 2022	Applied Energy
19	International Journal	Scopus	Dr.R.Gopinathan	The Effect of service quality on patient loyalty mediated by patient satisfaction.	September 2022	Journal of Pharmaceutical Negative Results Volume 13 , Special Issue 6, 2022
20	International Journal	Scopus	Dr.R.Gopinathan	A study on employer branding for hospitals with reference to coimbatore	September 2022	Journal of Pharmaceutical Negative Results Volume 13 , Special Issue 6, 2022
21	International Journal	Scopus	Dr.R.Gopinathan	Design of FIR Filter under Frequency Domain	July 2022	IEEE Xplore
22	International Journal	Scopus	Dr.R.Gopinathan	Study on the performance of a flat plate solar water heater using a hybrid nanofluid	September 2022	Materials Today: Proceedings
23	International Journal	Scopus	Dr.S.Balasubramani	Preparation and characterization of magneto rheological fluid for vibration damping	October 2022	AIP Conference Proceedings
24	International Journal	Scopus & WoS	Dr.R.Manikandan	Experimental studies on the effects of reinforcing cowpat ash with aluminium composites	September 2022	Part E: Journal of Process Mechanical Engineering
25	International Journal	Scopus & WoS	Dr.R.Manikandan	Microstructure, mechanical and wear characteristics of CeO ₂ -Mg metal matrix composites	Nov-22	Part E: Journal of Process Mechanical Engineering
26	International Journal	Scopus & WoS	Dr.G.Veerappan	Artificial Neural network of abrasion loss and surface roughness of Crab carapace impregnated coir-vinyl ester composites	September 2022	Natural Fiber Reinforced Polymer Matrix Composites
27	International Journal	Scopus & WoS	Dr.G.Veerappan	Microstructure, mechanical and wear properties of boron carbide reinforced nickel alloy composites processed by bottom pouring type stir casting process	September 2022	Surface Topography Metrology And Properties
28	International Journal	Scopus	Dr. N. Mithran	Shape and size effects of glass mini channels on IR sensors in air water two phase flow	September 2022	Lecture notes in mechanical engg
29	International Journal	Scopus & WoS	Dr.J.Justin Maria Hilar	Implementation of SCARA Robot For Pick and Place Operations	July 2022	Tierärztliche Praxis

30	International Journal	Scopus & WoS	Dr.J.Justin Maria Hilar	Finite Element Method-Based Spherical Indentation Analysis of Jute/Sisal/Banana-Polypropylene Fiber-Reinforced Composites	September 2022	Adsorption Science & Technology
31	International Journal	Scopus & WoS	Dr.J.Justin Maria Hilar	Investigation of Mechanical and Tribological Properties of AA6061/MWCNT/B4C Hybrid Metal Matrix Composite," Advances in Materials Science and Engineering	September 2022	Advances in Materials Science and Engineering
32	International Journal	Scopus	Dr.L.Feroz Ali	Evaluation of the polyamide's mechanical properties for varying infill percentage in FDM process	September 2022	Materials Today Proceedings
33	International Journal	Scopus & WoS	Dr.L.Feroz Ali	Tungsten Nanoparticle Reinforced AA7055 via Friction Stir Process Route with Multi-groove Strategy	September 2022	Journal of Materials Engineering and Performance
34	International Journal	Scopus & WoS	Dr.L.Feroz Ali	Physical and Mechanical Properties of Randomly Oriented Natural Fiber Hybrid Composites for Exterior Applications	October 2022	Materials Science Forum
35	International Journal	Scopus	Ms. K. Ananthi	IoT based AGV System for Medicare	September 2022	IEEE Xplore
36	International Journal	Scopus	Dr.M.Bhuvanewari	antenna using chicken swarm optimization for IoT-based wearable healthcare applications	November 2022	IoT and Fog computing
37	International Journal	Scopus	Mr.S.Madhankumar	Design of Automatic Headlamp Control Using Light-Dependent Resistor Sensors and Night Vision Camera	September 2022	Lecture Notes in Networks and Systems
38	International Journal	Scopus & WoS	Dr.J.Justin Maria Hilar	Analysis of Spectroscopic, Morphological Characterization and Interaction of Dye Molecules for the Surface Modification of TiB2 Nanoparticles	October 2022	Journal of Nanomaterials
39	International Journal	Scopus	Dr.G.Veerappan	Machine learning enabled Optimization techniques for exploring the mechanical properties of stir cast AA6061	5 .12.2022	Materials Today: Proceeding
40	International Journal	Scopus	Dr.G.Veerappan	Investigation of mechanical properties and corrosion behavior of Nickel Bronze alloy prepared powder metallurgy	18.11.2022	Materials Today: Proceeding
41	International Journal	Scopus	Dr.D.Pritima	Machine learning assisted investigation on properties of TiO2 reinforced aluminium metal matrix composites	December 2022	Materials Today Proceedings
42	International Journal	Scopus	Mr.T.Vignesh	Technology in design aspect of drcobot robot	01 April 2022	international Journal of mechanical engineering
43	International Journal	Scopus	Mr.T.Vignesh	Automated metal sorting system based on weight and colour of the specimen	01 October 2022	AIP Conference Proceedings
44	International Journal	SCI & Scopus	Mr.S.Madhankumar	Computational and experimental study of a novel corrugated-type absorber plate solar collector with thermal energy storage moisture removal device	Oct-22	Applied Energy
45	International Journal	SCI & Scopus	Mr.S.Madhankumar	Analysis of indirect solar dryer with PCM energy storage material: Energy, economic, drying and optimization	Jan-23	Solar Energy