



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)**

Department of Mechanical Engineering

Publication for the year July 2022 - June 2023

Science Citation Indexed/ Scopus – 24

Others – 00

S. No	Authors	Title	Journal	DOI/Volume and Page	SCI/ Scopus	Publisher	ISSN (Print)	Month & Year
1	Katta, L., Natarajan, M., Pasupuleti, T., Sivaiah, P	Neural Network Model for Machinability Investigations on CNC Turning of AA5052 for Marine Applications with MQL	SAE International	https://doi.org/10.4271/2022-28-0515	Scopus	SAE International	0148-7191	July 2022
2	Suresh Kannan.V , Lenin V.R, L Periy Annan, P Saravanan, R. Ramkumar	Parametric Study of Pressure-Swing Adsorption Process using Molecular Sieve 4A for Air Dehumidification	Periodico di Mineralogia	https://doi.org/1037896/pd91.5/91511	Scopus	Periodico di Mineralogia	03698963, 22391002	Sep 2022
3	Manish Sharma & Beena D. Balonib	Influence of Mach number on the off-design performance of S-shaped compressor transition duct under the combined effect of curvature and pressure gradient	Australian Journal of Mechanical Engineering....	https://doi.org/10.1080/14484846.2022.2148367	SCI	Taylor & Francis	14484846	Nov 2022
4	Jeyapragash, R., Sathiyamurthy, S., Srinivasan, V, Prithvirajan, R. , Swaminathan, G.	Properties and characteristics of alkali treated Calotropis gigantea fiber-reinforced particle-filled epoxy composites	Composites Theory and Practice	NA	Scopus	Polish society of Composite Material	2084-6096	Dec 2022
5	Jagannath Pattar; D. Ramesh; P. Amruta; M. Mounika; N. Sumanjali;	Design, fabrication and testing of automatic side stand retrieval system using electronic components	AIP Conference Proceedings 2715, 020030 (2023)	https://doi.org/10.1063/5.0134129	Scopus	AIP	0094243X, 15517616	Dec 2022

	P. Vaishnavi; D. Ravi Teja; B. Venkata Narasimha; K. Syed Moinuddin; P. Mahesh Krishna							
6	Anisha Ekka, Amruta Panda , Trupti Ranjan Mahapatra, Debadutta Mishra	Erosion and wear analysis of fly ash filled GFRP composite	Materials Today;Proceedings	https://doi.org/10.1016/j.matpr.2023.01.140	Scopus	Elsevier	22147853	Jan 2023
7	Suganya, G., S. Manoj Kumar , M Nagaraj & A. Velumani	Mechanical, Dielectric and Thermal Stability of Silicon Oxynitride Nanoparticle Dispersed Tamarind Fiber-Reinforced Epoxy Bio-composite	Silicon	https://doi.org/10.1007/s12633-023-02320-x	SCI	Springer	1876990X, 18769918	Feb 2023
8	Satyajit Pattanayak , Chanchal Loha	Investigation of kinetic triplets and thermodynamic parameters of different species of bamboo-biomass from North-East	International Journal of Chemical Kinetics	https://doi.org/10.1002/kin.21639	SCI	Wiley Online Library	05388066, 10974601	March 2023
9	P. Sivaiah M. Sudheera, M Muralidhar Singh, C. Yuvaraj, V. Chengal Reddy, K. Lakshmi Narasimhamu, M. Dilip Kumar	Investigation on turning process performance during machining of 15-5PH stainless steel material with eco-friendly machining technique	Materials Today;Proceedings	https://doi.org/10.1016/j.matpr.2023.03.303	Scopus	Elsevier	22147853	March 2023
10	V. Chengal Reddy, P. Sivaiah , T. Nishkala M. Dilip Kumar S.M. Jameel Basha M. Sudheera	Selection of best WEDM process parameters using grey relational analysis method	Materials Today;Proceedings	https://doi.org/10.1016/j.matpr.2023.03.443	SCI	Elsevier	22147853	March 2023
11	Mr. Jagannath Pattar , Dr. MD Rahmatullah Dhanashree Katekhaye Prof.(Dr.) Devendra Singh, Dr. S. Asif Alisha, Dillip Narayan Sah	A Study On Impact Of Mobile Marketing Strategies On Bank	Eur. Chem. Bull. 2023	doi: 10.48047/ecb/2023.12.si8.006.	Scopus	Eur. Chem. Bull	20635346	March 2023

12	George Fernandez Savari , M. Jagabar Sathik , L. Anantha Raman , Adel El-Shahat ,Hany M. Hasanien e, Dhafer Almakhles , Shady H.E. Abdel Aleem , Ahmed I. Omar	Assessment of charging technologies, infrastructure and charging station recommendation schemes of electric vehicles: A review	Ain Shams Engineering Journal	https://doi.org/10.1016/j.asej.2022.101938	SCI	Elsevier	20904479	April 2023
13	Anil Kumar, Anantha Raman Lakshmipathi , · N. Nagabhooshanam, Santosh Kumar Sahu, Pravin P. Patil, Vella Satyanarayana · Neti Praveen	Effect of Adding Rice Husk Ash Functional Silicon Additives on Flammability Wear and Thermal Stability of Ramie-Epoxy Composite	Silicon	https://doi.org/10.1007/s12633-023-02463-x	SCI	Springer	1876-990X	April 2023
14	K. Pratheesh, P.Narayanasamy, R. Prithvirajan , T. Ramkumar, P. Balasundar, S. Indran, M.R. Sanjay & Suchart Siengchin	Cenosphere filled epoxy composites: structural, mechanical, and dynamic mechanical studies	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-023-04154-4	SCI	Springer	2190-6823, 2190-6815	April 2023
15	K.V. Nagesha , D.Arun Kumar , G. Mahesh Kumar, Rakesh Yadav, Uday KhaKha, Bhasker Vishwakarma, Renu	Parametric study on four station ball mill for synthesis of ultrafine powders	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2023.04.360	Scopus	Elsevier	2214-7853	April 2023
16	Satyajit Pattanayak Chanchal Loha, Rohit Kumar Singh, Dipankar Saha	Experimental investigation of thermal performance, kinetic triplets, and synergistic effect for bamboo-waste plastic (PP & PE) blends using thermogravimetric analyser in N2 atmosphere	Sustainable Energy Technologies and Assessments	https://doi.org/10.1016/j.seta.2023.103266	SCI	Elsevier	2213-1388	April 2023

17	Vinothkumar Sivalingam, Qian Zhou, Baskaran Selvam , Jie Sun, Karthik Pandiyan, M.K. Gupta, Mehmet Erdi Korkmaz	A mathematical approach of evaluating sustainability indicators in milling of aluminium hybrid composite by different eco-friendly cooling strategies	Sustainable Materials and Technologies	https://doi.org/10.1016/j.susmat.2023.e00605	SCI	Elsevier	2214-9937	April 2023
18	B. Venkatesh, Anantha Raman Lakshmipathi , T. Prakash, Pothamsetty Kasi V. Rao, Rajesh Verma, N. Nagabhooshanam, and Simon Yishak	Influence of Metallic Particles on Properties of Aluminium Composites through Taguchi Technique	Advances in material Science and Engineering	https://doi.org/10.1155/2023/9637728	Scopus	Hindawi	1687-8442	May 2023
19	R. Gopi; M. Karthikeyan; S. Manoj Kumar ; G. Sai Krishnan; Muthu Lakshmanan; G. Kumar	Wear behavior of heat treated and chromium nitride coated 316L SS steel against steel ball in wet condition	<i>AIP Conference Proceedings</i> , 020012 (2023)	https://doi.org/10.1063/5.0132535	Scopus	AIP	0094243X, 15517616	May 2023
20	Jagannath Pattar , D Ramesh	A Study of Density Calculation For Composite Materials Aluminum Alloy 6063 Reinforced WithTiO2 And B4C Hybrid MMC's	Eur. Chem. Bull. 2023	doi: 10.48047/ecb/2023.12.si8.056.	Scopus	Eur. Chem. Bull	20635346	May 2023
21	A. Raji; M. Karthikeyan; G. Sai Krishnan; S. Manoj Kumar ; Muthu Lakshmanan; G. Kumar; M. Seeman	Tribological investigation of shot peened NiP-CN electroless coating on EN31 steel	AIP Conference Proceedings, 020012 (2023)	https://doi.org/10.1063/5.0132537	Scopus	AIP	20635346	May 2023

22	Jagannath Pattar; D. Ramesh; P. Amruta; M. Mounika; N. Sumanjali; P. Vaishnavi; D. Ravi Teja; B. Venkata Narasimha; K. Syed Moinuddin; P. Mahesh Krishna	Design, fabrication and testing of automatic side standretrieval system using electronic components	AIP Conference Proceedings 2715, 020030 (2023)	https://doi.org/10.1063/5.0134129	Scopus	AIP	0094243X, 15517616	May 2023
23	K V Nagesha; G. Yedukondalu; Prashant Atmakuri; S B G Tilak Babu; Pulluri Sreenivasgoud; Monika Gupta	Analysis on Implementation of Artificial Intelligence in the sports Activity	Eighth International Conference on Science Technology Engineering and Mathematic	10.1109/ICONSTEM56934.2023.10142734	Scopus	IEEE Xplore		June 2023
24	Manish Sharma & Beena D. Baloni	A study of the effect of curvature and pressure gradient on aerodynamics performance and turbulence structure of S-shaped compressor transition duct	Australian Journal of Mechanical Engineering	https://doi.org/10.1080/14484846.2023.2229982	Scopus	Taylor & Francis	14484846	June 2023



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Book Chapters for the year 2022-2023

Science Citation Indexed/ Scopus – 03

Others – 00

S. No	Authors	Title	BOOK	Chapter	Publisher	Press	ISSN (Print)	Date
1	P. Sivaiah, D. Chakradhar, R. Ganesh Narayanan	Sustainable Manufacturing Strategies in Machining	Sustainable Manufacturing Processes	4	Academic Press	Academic Press	978-0-323-99990-8	Jan 2023
2	Dr. Praveen kumar balguri; dr. A.x. Amal rebin; mr. R nishanth; dr. R leo bright singh; dr. L anantharaman	Competitive Manufacturing	Competitive Manufacturing	All	Cosmas Scientific Publications	Cosmas Scientific Publications	978-81-956780-6-8	Feb 2023
3	Dr.L. Anantharaman Dr. K. Visagavel Dr. Amol. L. Mangrulkar Mr. V.K. Nithin Mr. Vinjamuri Sree Naga Chidambara Dattu	Thermodynamics Field Formulation And Turbulent Modeling	Thermodynamics Field Formulation And Turbulent Modeling	Book	Cosmas Scientific Publications	Cosmas Scientific Publications	978-81-962332-7-3	Feb 2023