



MARRI LAXMAN REDDY

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

Department of Mechanical Engineering

Faculty Paper Publications A.Y:2024-25

S. No	Name of The Author	Title	Journal Name	ISSN No.	SCI/SCOPUS	Quartile index
1	Dr. U. Sudhakar	Environmental impact and energy balance assessment in ethanol production from sugarcane molasses: A life cycle analysis in southern India	Renewable and Sustainable Energy Reviews	1364-0321	SCI	Q1
2	Dr. U. Sudhakar	Optimization and tribological behavior of carbon nano tubes blended with POE oil	Engineering Research Express	2631-8695	SCI	Q3
3	Dr. S. P. Jani	Environmental impact and energy balance assessment in ethanol production from sugarcane molasses: A life cycle analysis in southern India	Renewable and Sustainable Energy Reviews	1364-0321	SCI	Q1
4	Dr.S.P. Jani	Optimization and tribological behavior of carbon nano tubes blended with POE oil	Engineering Research Express	2631-8695	SCI	Q2
5	Dr.S.P. Jani	Machining nickel – iron alloy using tungsten cutting tool and its process parameter optimization using Adam – Gene genetic algorithm	International-Journal-on-Interactive-Design-and-Manufacturing	1955-2505	SCI	Q2
6	Dr.S.P. Jani	Assessment, analysis and optimization for high temperature sliding wear process parameter with additive built nickel base superalloy	Material Research Express	2053-1591	SCI	Q2

7	Dr.S.P. Jani	A study on the machinability of DMLS In718 alloy using an electro-spark machining process	Metallurgy and Materials Science	1879-1395	SCOPUS	Q2
8	Dr.K.V.Raghavulu	Optimization and tribological behavior of carbon nano tubes blended with POE oil	Engineering Research Express	2631-8695	SCI	Q2
9	Dr.K.Venkateswara Reddy	Microstructure, Texture Evolution and Mechanical Characteristics of Ultrafine-Grained Structure in Friction Stir Processed Aluminum Alloys	Journal of The Institution of Engineers (India): Series D	2250-2130	SCI	Q3
10	Dr.K.Venkateswara Reddy	Damping properties of magnesium surface layers developed by friction stir processing	Advances in Materials and Processing Technologies	2214-7853	SCI	Q2
11	Mr.K.Rambabu	A study on the machinability of DMLS In718 alloy using an electro-spark machining process	Metallurgy and Materials Science	1879-1395	SCOPUS	Q2



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Paper Published in Conferences A.Y: 2024-25

S. No	Name of The Author	Title	Journal Name	ISSN No.	SCI/SCOPUS	Year Of Publication
1	Dr.U.Sudhakar	Microstructure analysis of SS316L using Selective Laser Melting	Journal of Physics: Conference Series	1742-6596	SCOPUS	2024-2025
2	Dr.U.Sudhakar	Damping capacity of Al/SiC composites produced via friction stir processing	AIP Conference Proceedings	2835-0103	SCOPUS	2024-2025
3	Dr.U.Sudhakar	Distortion measurement of Laser beam welding for Similar and Dissimilar joints using a Coordinate Measuring Machine	IEEE XPLORE	2168-6831	SCI	2024-25
4	Dr.U.Sudhakar	Exploring the mechanical behaviour and microstructure of AA7075/B ₄ C/ZrN hybrid composite fabricated through powder metallurgy techniques	Interactions	2041-2983	SCI	2024-2025
5	Dr.U.Sudhakar	Mechanical and microstructural effects of Si and ZrC reinforced AA7075 hybrid composite	Interactions	3005-0731	SCOPUS	2024-2025
6	Dr.U.Sudhakar	Development AA7075/SiC/ZrN hybrid composite fabricated through powder metallurgy techniques and evolution its microstructural and mechanical properties	Interactions	3005-0731	SCOPUS	2024-2025
7	Dr.S.P. Jani	Microstructure analysis of SS316L using Selective Laser Melting	Journal of Physics: Conference Series	1551-7616	SCOPUS	2024-2025

8	Dr.S.P. Jani	Distortion measurement of Laser beam welding for Similar and Dissimilar joints using a Coordinate Measuring Machine	IEEE XPLORE	2168-6831	SCI	2024-25
9	Dr.S.P. Jani	Enhancing weld joint performance of dissimilar aluminium alloy joints through filler rod selection	Interactions	3005-0731	SCOPUS	2024-2025
10	Dr.S.P. Jani	Optimization of a morphing variable span of tapered wing by integrating structural sizing, topology	AIP Conference Proceedings	1551-7616	SCOPUS	2024-2025
11	Dr.S.P. Jani	Development AA7075/SiC/ZrN hybrid composite fabricated through powder metallurgy techniques and evolution its microstructural and mechanical properties	Interactions	3005-0731	SCOPUS	2024-2025
12	Dr.S.P. Jani	Damping capacity of Al/SiC composites produced via friction stir processing	AIP Conference Proceedings	2835-0103	SCOPUS	2024-2025
13	Dr.K.V.Raghavulu	Exploring the mechanical behaviour and microstructure of AA7075/B ₄ C/ZrN hybrid composite fabricated through powder metallurgy techniques	Interactions	3005-0731	SCOPUS	2024-2025
14	Dr.K.V.Raghavulu	Mechanical and microstructural effects of Si and ZrC reinforced AA7075 hybrid composit	Interactions	3005-0731	SCOPUS	2024-2025
15	Dr.K.V.Raghavulu	Microstructure analysis of SS316L using Selective Laser Melting	Journal of Physics: Conference Series	1742-6588	SCOPUS	2024-2025
16	Dr.K.V.Raghavulu	Optimization of a morphing variable span of tapered wing by integrating structural sizing, topology	AIP Conference Proceedings	1551-7616	SCOPUS	2024-2025
17	Dr.K.V.Raghavulu	Analysis on CFD-simulations in internal combustion engine nozzle injector with different shape	AIP Conference Proceedings	1551-7616	SCOPUS	2024-2025

18	Dr.K.V.Raghavulu	Development AA7075/SiC/ZrN hybrid composite fabricated through powder metallurgy techniques and evolution its microstructural and mechanical properties	Interactions	3005-0731	SCOPUS	2024-2025
19	Dr.K.Sravanthi	Distortion measurement of Laser beam welding for Similar and Dissimilar joints using a Coordinate Measuring Machine	IEEE XPLORE	2168-6831	SCI	2024-25
20	Dr.K.Sravanthi	Enhancing weld joint performance of dissimilar aluminium alloy joints through filler rod selection	Interactions	3005-0731	SCOPUS	2024-2025
21	Dr.K.Venkateswara Reddy	Exploring the mechanical behaviour and microstructure of AA7075/B ₄ C/ZrN hybrid composite fabricated through powder metallurgy techniques	Interactions	3005-0731	SCOPUS	2024-2025
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23	Dr.K.Venkateswara Reddy	Development of high strength and high electrical conductive Cu and Cu–W composite by friction stir processing: Effect of traverse speed	AIP Conference Proceedings	1551-7616	SCOPUS	2024-2025
24	Dr.K.Venkateswara Reddy	Development AA7075/SiC/ZrN hybrid composite fabricated through powder metallurgy techniques and evolution its microstructural and mechanical properties	Interactions	3005-0731	SCOPUS	2024-2025
25	Mr.K.Rambabu	Exploring the mechanical behaviour and microstructure of AA7075/B ₄ C/ZrN hybrid composite fabricated through powder metallurgy techniques	Interactions	3005-0731	SCOPUS	2024-2025