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INSTITUTE OF TECHNOLOGY
AN AUTONOMOUS INSTITUTION

DEPARTMENT OF MECHANICAL ENGINEERING

JOURNAL PUBLISHED In A:Y 2023-24

Sl. No	Name of the Author(s)	Department of the Author(s)	Title of the Paper	Name of the Journal	Month and Year of publication	ISSN	Link to the notification in UGC enlistment of the Journal
1	Dr.G.SREERAM REDDY, Dr.V.V.Satyanarayana,Dr.B.Ravinder Reddy, Dr.J.Jagadeesh	Mechanical	Effect of Al ₂ TiO ₅ powder coating on the tribological, corrosion and mechanical properties of AISI 316L stainless steel	Materials Research Express	1-10, May 2023	2053-1591	Effect of Al₂TiO₅ powder coating on the tribological, corrosion and mechanical properties of AISI 316L stainless steel
2	Dr.G.SREERAM REDDY, Dr.V.V.Satyanarayana, Dr.B.Ravinder Reddy,Dr.J.Jagadeesh	Mechanical	Deviation analysis of reverse engineered freeform surface with rapid prototyping	AIP Conference Proceedings (scopus)	Volume282 1, Issue 1, Nov 23	1551-7616	https://pubs.aip.org/aip/acp/article-abstract/2821/1/050009/2922692
3	Dr.G.SREERAM REDDY, Dr.L.Madan Ananda Kumar	Mechanical	Design and development of metal with plastic replacements by reverse engineering.	AIP Conference Proceedings (scopus)	Volume282 1, Issue 1, Nov 23	1551-7616	DOI:10.1063/5.0159080



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4	Dr. B V Reddi, Mrs.J.Emeema	Mechanical	Exploring thermal dynamics of polyaniline modified paraffin wax phase change material with varied PANI loadings (1–4% wt.)	Heat Transfer Journal-2024	Volume 60,977-986, Mar-24	0024-03454	Exploring thermal dynamics of polyaniline-modified paraffin wax phase change material with varied PANI loadings (1–4% wt.) Heat and Mass Transfer
5	Dr. B V Reddi,Mrs.J.Emeema	Mechanical	Investigations on paraffin wax/CQD composite phase change material - improved latent heat and thermal stability	Journal of energy storage	Vol no.85, Apr-24	111056	Investigations on paraffin wax/CQD composite phase change material - Improved latent heat and thermal stability - ScienceDirect
6	Dr. B V Reddi, Mrs.J.Emeema	Mechanical	Investigations on a novel composite phase change material comprising paraffin wax and CQDs for thermal conductivity enhancement	Thermal Science(SC OPUS)	Vol. 27, No. 6B,Aug 23, 4747-4755	0024-03454	https://doi.org/10.2298/TSCI220911217J
7	Mr. K.RAJESH KUMAR	Mechanical	Analysis of friction stir welding of AZ91D magnesium alloy with boron application using TOPSIS Taguchi method	Journal of Ceramic Process Research (SCI)	Vol 24, issue 3, June 2023, 439-445	0240-3439	https://doi.org/10.36410/jcpr.2023.24.3.439



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8	Mr. K.RAJESH KUMAR, Mr. P.SAMPATH KUMAR, T.Pavan Kumar, S.Prasad Kumar	Mechanical	Tensile and impact properties of hybrid composites based on woven fabrics made of sisal, jute, and basalt fiber	A Journal of Composition Theory (Scopus)	Vol XVI, 31-36 Dec'2023	0731-6755	https://doi.org/10.1016/j.matpr.2019.06.374
9	Mr. P.SAMPATH KUMAR, T.Pavan Kumar, S.Prasad Kumar	Mechanical	Direct metal deposition of alloys using laser as a heat source	A Journal of Composition Theory	Vol XVI, 37-47 Dec'2023	0731-6755	https://www.sciencedirect.com/topics/engineering/laser-direct-metal
10	Dr. J.JAGADESH KUMAR, Kovilakar Mounika	Mechanical	Finite Element Fatigue Analysis of Notched F55 Super Duplex Stainless Steel	International Research Journal of Engineering and Technology	Volume 10, Issue:09, Sep 2023	2395-0072	https://www.irjet.net/archives/V10/i9/IRJET-V10I9103.pdf
11	Malathi Baddepudi	Mechanical	Design and Analysis of a Typical Wing Rib for Passenger Aircraft	AIP Conference	Volume 2429, May 2023	2492-0052	https://doi.org/10.1063/5.0113388
12	Malathi Baddepudi	Mechanical	Experimental Investigation on Effect of Reinforcement of SiC, Graphene and Fly Ash on Mechanical Properties of Al2024	AIP Conference	Volume 2429, May 2023	2492-0052	https://doi.org/10.1063/5.0113392



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13	Mr. K.Rajesh kumar, Dr. V.V.Saty anarayana	Mechanical	Application of Taguchi based entropy weighted TOPSIS method for AZ 91D magnesium alloy friction stir welded joints with cerium addition at interface	Journal of processing Research	151-158, Volume 25, March 2023	1229-9162	http://doi.org/10.36410/jcpr.2024.25.2.151
14	Dr. V.V.Satyanaray ana & Dr.J.Jagadeesh	Mechanical	Entropy Weighted TOPSIS Taguchi Analysis of Notch Geometry on the Fatigue Performance of UNS S32760 Grade Stainless Steel	Journal of ceramic processing research	82-91, volume 7(1), June 2023	1229-9162	https://doi.org/10.14445/23488360/IJM E-