



MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

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Department of Mechanical Engineering Faculty Paper Publications

Department: **MECHANICAL**

Academic Year: **2020-21**

S.No	Name Of The Author	Title	Journal Name	ISSN No.	SCI/SCOP US	Date Of Publication
1	G. Surya Prakash U. Uppalapati S.P.jani	An experimental investigation of wire cut electric discharge machine processed titanium material	Materials today proceedings(Elsevier)	2214-7853	Scopus	February 2021
2	D. Venkateswarlu S.P. Jani	Analysis on surface grinding of mild steel by varying grinding parameters	Materials today proceedings (Elsevier)	2214-7853	Scopus	February 2021
3	P Satya krishna S.P.Jani	Bending Analysis of Honeycomb Sandwich Panels with Metallic Face Sheets and GFRP Core	Materials today (Elsevier)	2214-7853	Scopus	January 2021
4	S.P.Jani	Damping device to prevent cervical fracture	Materials today proceedings (Elsevier)	2214-7853	Scopus	2021
5	K. Sravanthi S.P.Jani	CFD Analysis of Environmental Control System for an Aircraft	Materials today (Elsevier)	2215-7853	Scopus	February 2021

6	S.P.Jani U. Sudhakar	Development and Optimization Study of Poly-Lactic Acid Blended Carbon Particles by Fused Deposition Modelling Method	Innovations In Additive Manufacturing	2214-7853	Book Chapter	2021
7	K. Veera Raghavulu S.P.Jani	Design and strengthening properties of different forging gas turbine blade materials	Materials today proceedings (Elsevier)	2214-7853	Scopus	February 2021
8	S.P.Jani	Design and optimization of unit production cost for AWJ process on machining hybrid fibre composite material	International journal of light weight Materials and Manufacture	2588-8404	KeAi	April 2021
9	K. Sravanthi	Influence of carbon particle in polymer matrix composite over mechanical properties and tribology behaviour	Archives of Metallurgy and Materials	1171-1178	SCI	2021
10	K. Veera Raghavulu	An Experimental study on the improvement of Coefficient of performance in vapour compression system using graphene lubricant Additive	Taylor and Francis	0803-7051	SCI	March 2021
11	U. Sudhakar S.P.Jani	Modelling and simulation of aerothermodynamics hot radiant blunt body	Materials today proceedings (Elsevier)	2214-7853	Scopus	February 2021
12	S. Kranthikumar S.P. Jani U.Sudhakar	Mechanical Properties of Carbon Particle Mixed Polylactic acid via Fused Deposition Modelling	Materials today (Elsevier)	2214-7853	Scopus	March 2021
13	S.P.Jani	Machining parameter optimization using Adam–Gene Algorithm while turning lightweight composite using ceramic cutting tools	International Journal of Lightweight Materials and Manufacture(Elsevier)	2588-8404	Scopus	2021
14	K. Chaithanya	Optimization of Solar Tunnel Dryer for mango Slice using Response Surface Methodology	Materials today proceedings (Elsevier)	2214-7853	Scopus	January 2021

15	T Balaji gupta S. Kranthi Kumar S. P. Jani	Modelling and Analysis of leaf spring with different type of Materials	Materials today (Elsevier)	2214-7853	Scopus	July 2020
16	N. VishnuTej Reddy, D Venkateswarlu	Theoretical modelling and finite element analysis of Automobile piston	Materials today	2214-7853	Scopus	July 2020
17	U. Sudhakar S. P. Jani	Crash Analysis of a Passenger car bumper assembly to improve design for impact Test	Materials today (Elsevier)	2214-7853	Scopus	July 2020
18	K. Veera Raghavulu U. Sudhakar A.Nishanthkumar S. P. Jani	Effect on Performance and Emission of Canola Oil and Snake Gourd Oil Biodiesel Blended In Fossil Diesel-Biodiesel Blend	Materials today (Elsevier)	2214-7853	Scopus	May 2020
19	K. Chathanya S. P. Jani	Evolution of satellite -6and CR3C2-NICR coating Properties obtained by Different Coating Techniques	Journal of Critical Reviews	2394-2125	SCI	2020
20	M. Vijay John S. P. Jani	Theoretical modelling and analysis of a four wheeler crank shaft by different aluminium alloys	Materials today	2214-7853	Scopus	July 2020
21	V Sudheer Babu, S. P. Jani	Evolution of Mechanical Properties of Epoxy Matrix Composites for Various Filler Loading	Trans Stellar	2249-6890	Scopus	Jun 2020
22	S. P. Jani	Machining parameter optimization using Adam e Gene Algorithm while turning light weight composite using ceramic cutting tools	International JournalofLightweightMateri alsandManufacture	2588-8404	Scopus	November 2020
23	S. P. Jani	A review on the mechanical properties of bio waste particulate	Materials today(Elsevier)	2214-7853	Scopus	2020
24	S. P. Jani U. Sudhakar	Mechanical and thermal insulation properties of surface-modified Agave Americana/carbon fibre hybrid reinforced epoxy composites	Materials today(Elsevier)	2214-7853	Scopus	2020

25	S. P. Jani	Design and analysis of aero fin blades utilized in cargo aero plane	Materials today(Elsevier)	2214-7853	Scopus	2020
26	U. Sudhakar K. Veera Raghavulu A. Nishanthkumar	CFD analysis on Euro fighter typhoon at CANARD	International Journal Of Advanced Science And Technology	2005-4238	Scopus	2020
27	S. Kranthi Kumar U. Sudhakar	Computational modelling and analysis of multi plate clutch	Materials today (Elsevier)	2214-7853	Scopus	July 2020