



## Department of Mechanical Engineering

### Details of Research publications

Sl no	Name of Faculty	Title of the paper	Publication	Published on	Identification Number	h-index	Citation
1	G.M. Surendranatha	Development of predictive models for wire electrical discharge machining of aluminium metal matrix composites by using regression analysis and neural network	Elsevier- Materials today- proceedings <a href="https://doi.org/10.1016/j.matpr.2022.07.258">https://doi.org/10.1016/j.matpr.2022.07.258</a>	2 August 2022	NA	1	
2	G.M. Surendranatha	Investigations on laser beam welded Inconel 718 weldments	Elsevier- Materials today- proceedings <a href="https://doi.org/10.1016/j.matpr.2022.09.442">https://doi.org/10.1016/j.matpr.2022.09.442</a>	1 October 2022	NA	1	
3	G.M. Surendranatha	Fabrication of aluminium hybrid metal matrix composites and development multiple regression models for wire electrical discharge machining	Springer Nature International Journal on Interactive Design and Manufacturing (IJIDeM)	7 June 2022	NA	4	3
4	G.M. Surendranatha	Effect of interfacial thickness on microstructure, mechanical properties, and modelling of diffusion fused dissimilar Al alloys for process optimization using ANN-GA method	Springer Nature Multiscale and Multidisciplinary Modeling, Experiments and Design	23 November 2021	NA	1	3

<b>Sl no</b>	<b>Name of Faculty</b>	<b>Title of the paper</b>	<b>Publication</b>	<b>Published on</b>	<b>Identification Number</b>	<b>h-index</b>	<b>Citation</b>
5	JayasheelI Harti	Microstructure, Mechanical Particles reinforced Al2219 Alloy Cast Metal Composites	Journal of Failure and Prevention	2021	NA		
6	K. NiranjanRao	Gyrosccopic Stabilization	IJARSET – Vol-9, Issue VIII, Aug 2021	2021	NA		
7	Girisha N	Design and fabrication of Go-Kart	IJRASET	volume 9,issueVIII, August 2021.	, ISSN No. :2321-9653		
8	Girisha N	Parametric rheology of fluid in constrictive sections	International Journal of Scientific Research in Engineering and Management (IJSREM),	Volume : 06 Issue: 02 Feb - 2022	ISSN:2582-3930		
9	Dr. Prakash SV	Experimental observations and data analysis of a commercially grade aluminum alloy (6082T6)for largeelastoplastic deformation	Elsevier- Materials today- proceedings <a href="https://doi.org/10.1016/j.matpr.2021.04.208">https://doi.org/10.1016/j.matpr.2021.04.208</a>	2021	N A	5	157
10	Dr. PrakashS V	Experimental and Mathematical Analysis of performance characteristics of Neem blended biodiesel run diesel engine	Springer Nature	2021	N A		

11	Mr. MunendraC V	Design and fabrication of Go-Kart	IJRASET	2021	ISSN No.:2321-9653		
12	Mr. MunendraC V	Parametric rheology of fluid in constrictive sections	International Journal of Scientific Research in Engineering and Management (IJSREM),	Volume : 06 Issue : 02 Feb -2022	ISSN:2582-3930		