

## DEPARTMENT OF MECHANICAL ENGINEERING FACULTY PUBLICATION DETAILS

### Journal Publication (2020-2021)

S. No	Name of the Author	Title of the paper	Name of the Journal	ISSN No	Web Link
1.	S. Joseph Dominic Vijayakumar	Parametric Effect and Laser beam machining of Rhenium Diboride based molybdenum metal matrix	Advances in Industrial Automation and Smart Manufacturing	2195-4356	<a href="https://link.springer.com/chapter/10.1007/978-981-15-4739-3_64">https://link.springer.com/chapter/10.1007/978-981-15-4739-3_64</a>
2.	S. Joseph Dominic Vijayakumar	Impact of compression ratio and effect of biodiesel blends in performance, combustion and emission characteristics of VCR DI diesel engine	Materials Today: Proceedings	2214-7853	<a href="https://www.researchgate.net/publication/343118128_Impact_of_compression_ratio_and_effect_of_biodiesel_blends_in_performance_combustion_and_emission_characteristics_of_VCR_DI_diesel_engine">https://www.researchgate.net/publication/343118128_Impact_of_compression_ratio_and_effect_of_biodiesel_blends_in_performance_combustion_and_emission_characteristics_of_VCR_DI_diesel_engine</a>
3.	S. Joseph Dominic Vijayakumar	Effect of L-Ascorbic acid on performance and emission behavior of neem biodiesel operated diesel engine	Materials Today: Proceedings	2214-7853	<a href="https://www.researchgate.net/publication/342964375_Effect_of_L-Ascorbic_acid_on_performance_and_emission_behavior_of_neem_biodiesel_operated_diesel_engine">https://www.researchgate.net/publication/342964375_Effect_of_L-Ascorbic_acid_on_performance_and_emission_behavior_of_neem_biodiesel_operated_diesel_engine</a>
4.	I. Vimal Kannan`	Crashworthiness and comparative analysis of polygonal single and bi-tubular structures under axial loading–experiments and FE modelling	Journal of Theoretical and Applied Mechanics	1429-2955	<a href="http://jtam.pl/Crashworthiness-and-comparative-analysis-of-polygonal-single-and-bi-tubular-structures,128901,0,2.html">http://jtam.pl/Crashworthiness-and-comparative-analysis-of-polygonal-single-and-bi-tubular-structures,128901,0,2.html</a>
5.	S. Joseph Dominic Vijayakumar	Machining and abrasive wear performance of tantalum carbide based stellite metal matrix composite	AIP conference proceedings	2283, 020054	<a href="https://aip.scitation.org/doi/10.1063/5.0029320">https://aip.scitation.org/doi/10.1063/5.0029320</a>