

DEPARTMENT OF MECHANICAL ENGINEERING
Publication Details
Department in the academic Year

S. No	Name of Author*	Title of the Paper	Name of the Journal	National / International	Month and Year of publication
1	K. Gobivel	Understanding the process parameters on milling of Ti/B4C metal matrix	Materials today proceedings	International	2023
2	Dr.VigneshKuamr	composite	Advanced Materials Processing Technologies	International	Jul-22
3	Dr. V Gopal	Influence of nano-TiC content on the properties of Al2024 aluminum metal matrix composites	Materials today proceedings	International	Aug.22
4	Dr. M Kannan	Performance study on the CI engine using LHR and LTC in combination with biodiesel blends	Journal of Engg.Research	International	Dec-22
2021					
1	Dr. Edward Kennedy Z	Tribological behaviour of metallo ceramic composites for high friction and high temperature applications	Materials today proceedings	International	July 2021
2	Dr. Kannan M	B20 Biodiesel blend performance, combustion and emission characteristics on low heat rejection engine	International Journal of Mechanical Engineering	International	Febrauary 2022

3	Dr. Rajan M	Thermodynamic investigation of a modified compression ignition engine fuelled by Diesel - Bio Diesel ethanol blend	Defence science journal	International	March 2022
4	Dr. Raja T	Tribological and Mechanical Behaviour of Hybrid Al 6061 Metal Matrix Composites	Int. J. Vehicle Structures & Systems	International	July 2021
5		Mechanical and tribological characteristics of AL7075/MWCNT, B4C & MoS2 hybrid metal matrix composites	Materials today proceedings	International	July 2021
6		Effect of various phase change materials (paraffin wax/ hydrogenated vegetable oil) packed in a fabricated shell and tube type heat exchanger	Materials today proceedings	International	July 2021
7	Dr. Gopal V	Mechanical behaviour of Al 7075 hybrid composites developed through squeeze casting	Int. J. Vehicle Structures & Systems	International	July 2021
8	Mr. Arul Inigo Raja M	Evaluation of mechanical properties of Al-B4C and Al-SiC metal matrix composites – A comparison	Materials Today Proceedings	International	August 2021
9		Influence of stacking sequence and hybridization on the mechanical and tribological properties of glass and jute fiber composites	Materials Today Proceedings	International	July 2021 (online)
10		Erosion behavior of Tungsten carbide-cobalt and aluminacoatings on stainless steel 316	Materials Today Proceedings	International	Nov-21

11	Dr. Vignesh Kumar M	Microstructural evolution of cast ZK 60Mg alloy /SiCp surface composites induced by stir casting process	Physics of Metals and Metallography	international	July 2021
12	Mr. Gobivel K	Machinability Studies on the Turning of Magnesium Metal Matrix Composites	Archives of Metallurgy and Materials	International	May 2022
13		Investigation on the effect of TiN and Al ₂ O ₃ coated tools in the Machining of Ti-6Al-4 V alloy	Materials Today Proceedings	International	April 2022 (Online)
14		Cutting forces and tool wear studies on machining of Hastelloy X	Materials Today Proceedings	International	April 2022 (Online)
15		Influence of cutting parameters on end milling of magnesium alloy AZ31B	Materials Today Proceedings	International	April 2022 (Online)
16	Mr.S.Rajesh Kannan	Optimisation and Mechanical characterisation of AA 5083 and AA 7075 dissimilar aluminium joints produced by friction stir process	Int. J. Vehicle Structures & Systems	International	July 2021
17		Experimental Investigation of Aluminium Hybrid Composites Reinforced with ZnS, TiO ₂ and BaTiO ₃ Produced Through Metallurgy	Int. J. Vehicle Structures & Systems	International	July 2021