

## Department of Mechanical Engineering

### Details of Faculty Journal Publications

S. No.	Name(s) of the Faculty	Title of the Paper	Name of the Journal	Volume / Issue / Page No.	Scopus Indexed	Web of Sciences	Google Scholar	Publisher	Month and Year
1	Dr.M.Kannan	NO <sub>x</sub> Reduction in CI(Compression Ignition) Engine Fueled With Methyl Ester Of Annona Oil Using Antioxidant Additives	Journal of the Balkan Tribological Association	Vol. 25, No 2, 443–454 (2019)				Environmental Tribology	2019
2	Dr.M.Kannan	A study on performance, emission and combustion characteristics of diesel engine powered by nano-emulsion of waste orange peel oil biodiesel	<b>Renewable Energy</b>	146 (2020) 1781e1795				Elsevire	June 2019
3	Dr.D.Easu	Influence of magnetic field strength of hybrid magnet on vibration isolation of quarter car model	<b>Journal of Vibroengineering</b>	Vol. 21, Issue 5, 2019, p. 1405-1413	<b>Yes</b>	<b>Yes</b>		JVE Journals	Aug 2019
4	Dr S Ramesh	Retention of Generation X Faculties in Self-Financing Engineering	Anthropologist	36(1-3):	International				<b>2019</b>
5	Dr L Prince Jeya Lal	"Numerical Investigation of the Behaviour of Thin-Walled Metal Tubes Under Axial Impact"	Springer	Book Chapter	International				<b>Dec 2018</b>
6	Dr. G Prabhakaran	Microwave versus conventional sintering: Microstructure and mechanical properties of Al <sub>2</sub> O <sub>3</sub> -SiC ceramic composites	Boletín de la Sociedad Española de Cerámica Vidrio	In press				Elsevier	July 2018
7	Dr.M.Kannan	Experimental studies on engine performance and emission characteristics using castor biodiesel as fuel in CI engine	Renewable Energy	131/Pages 737-744	Yes	Yes	yes	Elsevier	July 2018

8	Mr.Prince Jeya Lal	Study on the repeatability of manufacturing nano-silica (SiO <sub>2</sub> ) reinforced composite laminates	IOP Conference Series: Materials Science and Engineering	346	Yes	yes		IOP publishing	April 2018
9	Dr S Ramesh	Investigation on Mechanical and Fatigue behaviour of Aluminium Based SiC/ZrO <sub>2</sub> Particle Reinforced MMC	IOP Conference Series: Materials Science and Engineering	346	Yes	yes		IOP publishing	April 2018
10.	Dr S Ramesh	Portable and cost effective fused deposition modeling machine for making a 3d solid object using thermoplastic materials	International Journal of Pure and Applied Mathematics	120 (6), 1619-1635	Yes			Academic publications	2018
15	Dr S Ramesh	Modeling and control of diesel engines: A systematic review	Alexandria Engineering Journal	57/4	Yes			Elsevier	2018
16	Dr. D Easu	Experimental analysis of vibration isolation using hybrid magnet and magnetorheological fluid damper	Journal of the Brazilian Society of Mechanical Sciences and Engineering	7/47	Yes		yes	Springer	July 2018
17	Mr. Prince Jeya Lal L	Assessments of Secondary Reinforcement of Epoxy Matrix-Glass Fibre Composite Laminates through Nanosilica	Materials	11/1-17	yes	yes	-	MDPI	Nov 2018
18	Mr. M Vignesh Kumar	Influence of Tool Tilt Angle on the Formation of Friction Stir Processing Zone in Cast Magnesium Alloy ZK60/SiCp Surface Composites	Metallography, Microstructure, and Analysis	1-9 I	yes			Springer	Nov 2018
19	Dr S Ramesh	J Inbakumar Parivendhan, S Ramesh, Mechanical, wear and thermal behaviour of hemp fibre/egg shell particle reinforced epoxy resin bio composite	Transactions of the Canadian Society for Mechanical Engineering	42 (3), 280-285-2015	Yes	-	Yes	Canadian Society for Mechanical Engineering	2018

20	Dr S Ramesh	Experimental Investigation on Structure, Wear and Erosion Resistance of SS316 Substrate Coated with TiC-Al <sub>2</sub> O <sub>3</sub> Nano Composite by Laser Cladding	High Temperature Material Processes	22 (1), 63–71	Yes	-	Yes	Begell House	2018
21	Dr S Ramesh	Measurement and optimization of performance characteristics in turning of Mg alloy under dry and MQL conditions	Measurement	120 (May 2018), 107–11	Yes	-	-	Elsevier	May 2018
22	Mr. K Gobivel	"Finite Element Analysis of High-Speed Machining of CFRP Material"	Lecture notes in Mechanical Engineering,	Vol: pp.137-147, 2018	Yes	-	Yes	Springer	2018
23	Mr. S Jesudass Thomas	Comparative study of the effect of surface texturing on cutting tool in dry cutting	Journal of Materials and Manufacturing Processes	Volume 33, 2018 - Issue 6	Yes	-	Yes	Taylor & Fancis	February 2018
24	Mr. M Vignesh Kumar	Influence of Tool Rotational Speed on the Formation of Friction Stir Processing Zone in Cast Zk60/SiCp Magnesium Alloy Surface Composites	ASTM International	. ISSN 2379-1365.	-	-	-	ASTM	2018
25	Dr.M.Kannan	An experimental investigation on the performance of a CI engine when using LTC with a blend of diesel, biodiesel and ethanol	International Journal of Heavy Vehicle System	25/3-4				Inderscience	2018