

**Papers Published in Journals**

S.No.	Name of the Authors	Title of the Paper	Name of the Journal	Volume No., Issue No. and Page(s) No.	Year of Publication
<b>Academic Year (2019-2020)</b>					
1	Mr.P.Karuppusamy	Wear and corrosion behaviour of titanium carbide reinforced metal matrix composites for automobile brake disc application	Lecture Notes in Mechanical Engineering	Advances in Materials and Metallurgy pp 185-197	2019-2020
2	Dr.M.Selva Kumar	Effect of TiB Addition on Corrosion Behavior of Titanium Composites under Neutral Chloride	Transactions of the Indian Ceramic Society	vol. 78, no. 3, pp. 1-6 (2019)	2019-2020
3	Dr.M.Selva Kumar	Experimental investigation of dry turning of AISI 1040 steel with TiN coated insert	Engineering Research Express	1 (2019) 025038	2019-2020
4	Mr.Radhakrishnan	Characteristics of bio-oil from continuous fast pyrolysis of Prosopis juliflora	Energy	Volume 190, 1 January 2020, 116387	2019-2020
5	Dr. D. Shanmugam	Characterization of New Natural Cellulosic Fiber from Coconut Tree Primary Flower Leaf Stalk Fiber (CPFLSF)	Journal of Natural Fibers	2019, Pages 1-13	2019-2020
6	Mr.P.Karuppusamy	Effects of T4 and T6 Heat Treatments on the Wear Behaviour of WC-Reinforced Mg Alloy Matrix Composite	Trans Indian Inst Met	Accepted	2019-2020
7	Dr.M.Selva Kumar	Experimental investigations of reciprocating wear behavior of metal matrix (Ti/TiB) composites	Archives of Civil and Mechanical Engineering	Accepted	2019-2020
<b>Academic Year (2018-2019)</b>					
1	Dr.Karthick Jayaram	Optimizing the process parameters plasma arc cutting using Taguchi approach for the case industry in Fiji	Materials Today: Proceedings, Elsevier	Materials Today: Proceedings 2018	2018-2019
2	Dr.M.Selva Kumar	Rietveld refinement of powder X-ray diffraction, microstructural and mechanical studies of magnesium matrix composites processed by	Journal of Magnesium and Alloys-Elsevier publications	Volume 6, Issue 4, December 2018, Pages	2018-2019

3	Mr.S.K.Ashok	Effect of Post Weld Heat Treatment and Welding Parameters on Mechanical and Corrosion Characteristics of Friction Stir Welded Aluminum	Transactions of the Canadian Society for Mechanical Engineering	2019, 43(2): 230-236	2018-2019
4	Dr.M.Selva Kumar	Experimental investigation and analysis of drilling parameters of metal matrix (Ti/TiB) composites	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Accepted	2018-2019
5	Dr.M.Selva Kumar	Effect of b4c reinforcement on the dry sliding wear behaviour of ti-6al-4v/b4c sintered composites using response surface methodology	Archives of Metallurgy and Materials	63 (2018), 3, 1179-1200	2018-2019
6	Dr.M.Selva Kumar	Effect of B4C in Ti-6Al-4V matrix on workability behavior of powder metallurgy composites during cold upsetting	International Journal of Materials Research	Volume 109, Issue 12 (December 2018)	2018-2019
7	Mr.P.Karuppusamy	Study the Role of WC Reinforcement and Deep Cryogenic Treatment on AZ91 MMNC Wear Behavior Using Multilevel Factorial Design	Journal of Tribology - ASME Publication	2019, 141(4): 041608 (11 pages)	2018-2019
8	Mr.P.Karuppusamy	Influence of Cryogenic Treatment on As-Cast AZ91+1.5 wt%WC Mg-MMNC Wear Performance	Advances in Materials and Metallurgy	Select Proceedings of ICEMMM 2018, pp 185-197	2018-2019
9	Dr.M.Selva Kumar	Investigation on microstructural, mechanical and thermal evolution during friction stir welding of dissimilar aluminium alloys	Transactions of the Canadian Society for Mechanical Engineering	Volume 0, Number ja	2018-2019
10	M.Thirunavukkarasu	Synthesis and characterization of gaseous fuel from Jatropha oil through catalytic reactor and its performance in DI diesel engine	Journal of Thermal Analysis and Calorimetry	Vol136 Number1 136:305–315	2018-2019
11	Mr.Radhakrishnan	Surfactant determines the morphology, structure and energy storage features of CuO nanostructures	Results in Physics	Volume 13, June 2019, 102185	2018-19

<b>Academic Year (2017-2018)</b>					
1	Dr.M.Selva Kumar	Studies on the structural property, mechanical relationships and corrosion behaviour of Inconel 718 and SS 316L dissimilar joints by TIG	Journal of Manufacturing Processes	Volume 30, December 2017, Pages 290-298	2017-2018
2	Dr. R.Saravanan,	Helical Spring Design Optimization in Dynamic Environment Based on Nature Inspired Algorithms	International Journal of Theoretical and Applied Mechanics	Volume 12, Number 4 (2017) pp. 709-739	2017-2018
3	Dr. R. Saravanan	Advanced helical gear reducer design optimization through nature inspired algorithms	World Scientific News International Scientific Journal	77(2) (2017) 267-280	2017-2018
<b>Academic Year (2016-2017)</b>					
1	M.Thirunavukkarasu	Production and Characterization of Catalytically Cracked Biofuel in DI Diesel Engine	IJRET - International research journal of engineering and technology	Volume: 4 Issue: 03	2016-2017
2	S.Gokulakannan	A review on Wear Behaviour of clutch plate made of PEEK Composite Material	Journal of Science and Technology (JST)	Volume 2, Issue 3, (JST/02030617)	2016-2017
3	RagupathyKaru	Optimization of combustion bowl geometry for the operation of grape seed oil methyl ester – diesel mixes in a stationary diesel engine	Journal of Advances in chemistry	Volume 13, Number 2, pp. 5948-5957, I	2016-2017
4	P. Ravi Kumar, Dr.B. Giriraj, Dr.A.P. Senthil Kumar Dr.D. Shanmugam	Static Mechanical Properties of Polyester Transfer Moulded Jute/Carbon Fibre Reinforced Hybrid Polyester Composites	International Journal of Printing, Packaging & Allied Sciences	Vol. 4, No. 2, pp 1273-1280	2016
5	M.Thirunavukkarasu R Ravindran	Production of gaseous fuel from jatropa oil by cerium oxide based catalytic fuel reactor and its utilisation on diesel engine	Thermal science	Vol. 20, Suppl. 4, pp. S1127-S1135	2016
6	Manjunathan.M, Vivek.T, Sathishkumar.S	Performance of AlbiziaSaman Oil Blend In Ci Engine	International Journal of Innovative Research in Science, Engineering and Technology	Vol. 5, Issue 8, 14606-14616	2016