

**Dr. Mahalingam College of Engineering and Technology (Autonomous)**

**Academic Year 2019-2020**

<b>S.No.</b>	<b>Author Name</b>	<b>Journal Title</b>	<b>Journal Name</b>	<b>Volume and Page No.</b>	<b>Year</b>	<b>Impact Factor</b>
1.	Krishnamoorthi Muniappan Shreeram Bakthavathsalam, Rajendran Iruasa Gounder	The influence of ceramic-coated piston crown, exhaust gas recirculation, compression ratio and engine load on the performance and emission behavior of kapok oil–diesel blend operated diesel engine in comparison with thermal analysis	Environmental Science and Pollution Research	26(24), 24772–24794	2019	-
2.	T Ramkumar, S Madhusudhanan, I Rajendran	Effect of Nickel on the Microstructure, Mechanical and Tribological Properties of Austempered Ductile Cast Iron for Steering Knuckle Applications	Archives of Metallurgy and Materials	65	2020	0.8
3.	Rama Thirumurugan, M Jayaraj, D Shanmugam, T Ramkumar	Characterization of New Natural Cellulosic Fiber from Coconut Tree Primary Flower Leaf Stalk Fiber (CPFLSF)	Journal of Natural Fibers	1-13	2019	2.622
4.	Rama Thirumurugan, N Gnanasekar	Influence of finite element model, load-sharing and load distribution on crack propagation path in spur gear drive	Engineering Failure Analysis	110, 104383	2020	2.897
5.	Rama Thirumurugan,	Study on the quality and	Materials and	35(12), 1352-	2020	3.046

	Clement Christy Deepak	tooth root load carrying capacity of the high contact ratio asymmetrical gear tooth machined using WCEDM process	Manufacturing Processes	1361		
6.	Vignesh Kumar, Rama Thirumurugan	Investigation on microstructural and mechanical properties of sub-zero processed AISI 440C steel	International Journal of Materials Research	111(9), 761-770	2020	1.2
7.	M Selvakumar, T Ramkumar, P Chandrasekar	Thermal characterization of titanium–titanium boride composites	Journal of Thermal Analysis and Calorimetry	136, 419-424	2019	2.731
8.	V Vignesh Kumar, K Raja, K Chandrasekaran, T Ramkumar	Microstructural characterization and mechanical properties of Al7075/BN metal matrix composites prepared by conventional casting method	Materials Research Express	6, 066506	2019	1.929
9.	Senthil Ganesh Subramanian, R Rajkumar, T Ramkumar	Characterization of Natural Cellulosic Fiber from Cereus Hildmannianus	Journal of Natural Fibers	1-12	2019	2.622
10.	Ramkumar Thulasiram, Selvakumar Mani, Mohanraj Murugesan, Chandrasekar Palanisamy, Gobi Saravanan Kaliaraj	Effect of TiB addition on corrosion behavior of titanium composites under neutral chloride solution	Transactions of the Indian Ceramic Society	78, 155-160	2019	1.014
11.	P Balasundar, P Narayanasamy, S Senthil, Naif Abdullah Al-Dhabi, R	Physico-chemical study of pistachio (Pistacia vera) nutshell particles as a bio-	Materials Research Express	6, 105339	2019	1.929

	Prithivirajan, R Shyam Kumar, T Ramkumar, K Subrahmanya Bhat	filler for eco-friendly composites				
12.	R Shyam Kumar, P Balasundar, Naif Abdullah Al-Dhabi, R Prithivirajan, T Ramkumar, K Subrahmanya Bhat, S Senthil, P Narayanasamy	A New Natural Cellulosic Pigeon Pea ( <i>Cajanus cajan</i> ) Pod Fiber Characterization for Bio-degradable Polymeric Composites	Journal of Natural Fibers	1-11	2019	2.622
13.	Sreejith S Nair, T Ramkumar, Fabian Netto	Experimental investigation of dry turning of AISI 1040 steel with TiN coated insert	Engineering Research Express	1, 025038	2019	-
14.	R Malkiya Rasalin Prince, N Selvakumar, D Arulkirubakaran, S Christopher Ezhil Singh, T Ramkumar, R Monish Kumar	Surface structural features and wear analysis of a multilayer Ti6Al4V-B <sub>4</sub> C thin film coated AISI 1040 steel	Materials Research Express	7, 016436	2020	1.929
15.	Mani Selvakumar, Thulasiram Ramkumar, Murugesan Mohanraj, Palanisamy Chandramohan, Pandiyarajan Narayanasamy	Experimental investigations of reciprocating wear behavior of metal matrix (Ti/TiB) composites	Archives of Civil and Mechanical Engineering	20, 1-9	2020	3.672
16.	P Narayanasamy, M Selvakumar, T Ramkumar, M Mohanraj, G Pitchayya Pillai	Characterization of mechanical, electrical and thermal properties of Ag nanoparticle-reinforced Al6061 alloy	Journal of Thermal Analysis and Calorimetry	1-8	2020	2.731

17.	T Ramkumar, M Selvakumar, M Mohanraj, P Chandramohan, P Narayanasamy	Microstructure and corrosion behavior of ZnO-Mg coating on AISI 4140 steel fabricated by spray coating	Journal of Materials Engineering and Performance	29, 5796-5806	2020	1.652
18.	K Hariharan, G Arumaikkannu, T Ramkumar, M Selvakumar	Material stability investigation of polyamide material before and after laser sintering	International Journal of Polymer Analysis and Characterization	25, 158-165	2020	1.716
19.	K Hariharan, C Chandrasekhara Sastry, M Padmanaban, M Gideon Ganesh	Experimental Investigation of bioceramic (Hydroxyapatite and Yttrium stabilized zirconia) composite on Ti6Al7Nb alloy for medical implants	Materials and Manufacturing Processes	35, 521-530	2020	3.046