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**Publications (as on November 1, 2020)**

Journals: National 5 International 28

**International Journal Publications:**

Sl.No.	Year	Details
1.	2019	Ramesh Kumar , J; Jayaraman, M; Satish Kumar, T; Suganya Priyadharshini, G; Satheesh Kumar, j "Characterization of Y2O3 particles reinforced Al6082 aluminum matrix composites produced using friction stir processing" Materials Research Express, Vol.6, No.8, pp.1-9, 2019.
2.	2019	Chinnadurai Prabhu, Murugesan Jayaraman, Mani Rajnikanth, "Experimental investigation of fatigue behavior on EN- 8 steel (080M40/AISI 1040) under heat treatment and shot peening processes", Transactions of FAMENA, Vol.43, No.3, pp.125-136, 2019.
3.	2019	Satheeshkumar, J, Jayaraman M, Suganya Priyadharshini G, Sathya Mukesh C S, Fabrication of Aluminum-Cr3C2 Surface Composites through Friction Stir Processing and Analyzing its Microstructural and Mechanical Evolution, Archives of Metallurgy and Materials, Vol. 64 ,No.4, pp.1527-1532, 2019
4.	2019	Pugalenth, P, Jayaraman, M and Subburam, V, 'Study on microstructure and mechanical properties of aluminium hybrid composites with SiC and Al2O3', Materiali in Tehnologije / Materials and Technology, Vol.53, No.1, pp.49-55, 2019.
5.	2019	K.Periasamy, M. Jayaraman and S.Rajkumar, "Mechanical properties of 7075-t6 aluminium alloy surface hybrid composites synthesised by friction stir processing", International Journal of Rapid Manufacturing, Vol.8 No.1/2, pp.52-64, 2019.
6.	2018	M. Haridass and M. Jayaraman "Performance of multi-cylinder diesel engine fueled with mahua biodiesel using Selective Catalytic Reduction (SCR) technique", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol.40, No.16, pp. 1910-1918, 2018.
7.	2018	K.Thiyagarajan and M. Jayaraman "Study of Aluminum Alloy 7075: Sand Casting and Lost Foam Casting Methods" TAGA JOURNAL, Vol.14, pp. 2482-2490, 2018.
8.	2017	D.R.P.Rajaratnam and <b>M. Jayaraman</b> "Investigation of the Wear Behaviour of an AISI 1040 Forged Steel Shaft with Plasma-Spray Ceramic-Oxide Coatings for Sugar-Cane Mills", MATERIALI IN TEHNOLOGIJE/MATERIALS AND TECHNOLOGY, Vol.51, No.6, pp. 939-944, 2017.
9.	2016	R.Srinivasan and <b>M. Jayaraman</b> "Strength of Hollow Section and Inter Lock Weld in Automobile Power Transmission Joint " <i>International Journal of Advanced Engineering Technology</i> , Vol.7, No.2, pp. 542 - 545, 2016.
10.	2016	D.R.P.Rajaratnam and <b>M. Jayaraman</b> " Enhancement of Wear Resistance of AISI 1040 Forged Steel Roller Shaft by different Ceramic Oxide Coatings using Plasma Spray Process for Sugarcane Industries",

		<i>International Journal of Asian Journal of Research in Social Sciences and Humanities</i> , Vol.6, No.10, pp. 1663-1678, 2016.
11.	2016	K.Periasamy and <b>M. Jayaraman</b> "Studies on the Fabrication of Surface Composites on Cast Aluminum Alloys using Friction Stir Processing - A Review", <i>Journal of Environmental Nanotechnology</i> , Vol.5, No.1, 46-50, 2016
12.	2015	D.R.P.Rajaratnam, <b>M. Jayaraman</b> and K.K.Ramasamy "Comparative Wear Resistance of Cr <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> Coating on AISI 1040 Steel by Using Plasma Process", <i>Journal of Applied Sciences Research</i> Vol.11, No.23 pp. 62-69, 2015.
13.	2015	P. Parandaman and <b>M. Jayaraman</b> "Experimental Investigation on the Mechanical Properties of Jute/Sisal/Glass and Jute/Banana/Glass Hybrid Composite Materials", <i>European Journal of Applied Sciences</i> , Vol.07, No.3, pp.138 -144, 2015.
14.	2015	D.R.P.Rajaratnam, <b>M. Jayaraman</b> , K.K.Ramasamy, Dr.M.Premkumar and D. Sathya Narayana, "An Experimental Investigation on Abrasive Wear Behaviour of Different Ceramics Coating on AISI 1040 Steel by Plasma", <i>Middle-East Journal of Scientific Research</i> , Vol.23, No.6, pp. 1237-1242, 2015.
15.	2015	P.Parandaman, <b>Dr.M.Jayaraman</b> , Dr.K.K.Ramasamy and Dr.M.Premkumar, "Mechanical Performance of Coir and Glass Fibre Reinforced Hybrid composite materials for Automotive Brake Pad", <i>International Journal of Applied Engineering Research</i> , Vol.10, No.32, pp.23981 - 23988, 2015.
16.	2015	D.R.P.Rajaratnam, <b>Dr.M.Jayaraman</b> , Dr.K.K.Ramasamy and Dr.M.Premkumar, " Methodologies Used for Roll Shaft Failure Analysis in Sugar Industries -A Review", <i>International Journal of Applied Engineering Research</i> , Vol.10, No.32, pp.23917 - 23924, 2015.
17.	2015	P. Parandaman and <b>M. Jayaraman</b> "Experimental Study on The Mechanical Properties of Natural Fibers Reinforced Hybrid Composite", <i>International Journal of Applied Engineering Research</i> , Vol.10, No.5, pp.12009 -12019, 2015.
18.	2015	P.Pugalenth, <b>M.Jayaraman</b> and A.Natarajan "Evaluation of Mechanical Properties of Aluminium Alloy 7075 Reinforced with SiC and Al <sub>2</sub> O <sub>3</sub> Hybrid Metal Matrix Composites", <i>Applied Mechanics and Materials</i> , Vols. 766-767, pp 246-251, 2015.
19.	2015	P. Parandaman and <b>M. Jayaraman</b> "Mechanical Behaviour of Sugarcane Bagasse and Banana Fibers Reinforced Composite", <i>Applied Mechanics and Materials</i> , Vols. 766-767, pp 104-109, 2015.
20.	2015	D.R.P.Rajaratnam and <b>M. Jayaraman</b> , "Studies on the Various Design and Manufacturing Parameters of Roller Shafts for Sugar Cane Mills Using FEA Technique", <i>International Journal of Applied Engineering Research</i> , Vol.10, No.2, pp. 3807-3825, 2015.