

Jayaraman M Professor/Mechanical Engineering, Velalar College of Engineering and Technology Metal Joining Metal casting Composite materials

	All	Since 2015
Citations	352	239
h-index	10	9
i10-index	10	9

TITLE	CITED BY	YEAR
Cluster Analysis of Lost Foam Casted Al-Zn-Mg-Cu Alloy with K-Mean Algorithm K Thiyagarajan, M Jayaraman, V Vijayan, R Ramkumar JOURNAL OF NEW MATERIALS FOR ELECTROCHEMICAL SYSTEMS 23 (1), 45-51		2020
Experimental Investigation Into Fatigue Behaviuor of EN-8 Steel (080M40/AISI 1040) Subjected to Heat Treatment and Shot Peening Processes C Prabhu, M Jayaraman, M Rajnikanth Transactions of FAMENA 43 (3), 125-136		2019
Characterization of Y2O3 particles reinforced AA6082 aluminum matrix composites produced using friction stir processing JR Kumar, M Jayaraman, TS Kumar, GS Priyadharshini, JS Kumar Materials Research Express 6 (8), 086509	4	2019
Fabrication of Aluminum–Cr3C2 Surface Composites through Friction Stir Processing and Analyzing its Microstructural and Mechanical Evolution J Satheeshkumar, M Jayaraman, G Suganya Priyadharshini, S Mukesh Archives of Metallurgy and Materials, 1527-1532	g	2019
Mechanical properties of 7075-t6 aluminium alloy surface hybrid composites synthesised by friction stir processing K Periasamy, M Jayaraman, S Rajkumar International Journal of Rapid Manufacturing 8 (1-2), 52-64	3	2019
Study of Aluminum Alloy 7075: Sand Casting and Lost Foam Casting Methods K Thiyagarajan, M Jayaraman Mechanical Engineering. CSI Polythechnic College. India	2	2018
Performance of multi-cylinder diesel engine fueled with mahua biodiesel using Selective Catalytic Reduction (SCR) technique M Haridass, M Jayaraman Part A: Recovery, Utilization, and Environmental Effects	6	2018
Investigation of the Wear Behaviour of an AISI 1040 Forged Steel Shaft with Plasma-Spray Ceramic Oxide Coatings for Sugar Cane Mills DRP Rajarathnam, M Jayaraman Materials and Technology 51 (6), 939-944	o- 2 *	2017
Enhancement of Wear Resistance of AISI 1040 Forged Steel Roller Shaft by different Ceramic Oxide Coatings using Plasma Spray Process for Sugarcane Industries DRP Rajarathnam, M Jayaraman Asian Journal of Research in Social Sciences and Humanities 6 (10), 1663-1678	le	2016
Studies on the Fabrication of Surface Composites on Cast Aluminum Alloys using Friction Stir Processing - A Review K Periasamy, M Jayaraman Journal of Environmental Nanotechnology 5 (1), 46-50		2016
STRENGTH OF HOLLOW SECTION AND INTER LOCK WELD IN AUTOMOBILE POWER TRANSMISSION JOINT R Srinivasan, M Jayaraman Int. LAdv. Enga Tech Vol. VII/Issue II/April, June 542, 545		2016

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Int J Adv Engg Tech/Vol. VII/Issue II/April-June 542, 545

TITLE	CITED BY	YEAR
Mechanical Performance of Coir and Glass Fibre Reinforced Hybrid composite materials for Automotive Brake Pad P Parandaman, M Jayaraman, KK Ramasamy, M Premkumar International Journal of Applied Engineering Research 10 (32), 23981 - 23988		2015
Studies on the Various Design and Manufacturing Parameters of Roller Shafts for Sugar Cane Mills Using FEA Technique DRP Rajarathnam, M Jayaraman International Journal of Applied Engineering Research 10 (2), 3807-3825		2015
An Experimental Investigation on Abrasive Wear Behaviour of Different Ceramics Coating on AISI 1040 Steel by Plasma DRP Rajarathnam, M Jayaraman, KK Ramasamy, M Premkumar, Middle-East Journal of Scientific Research 23 (6), 1237-1242	3	2015
Experimental Study on The Mechanical Properties of Natural Fibers Reinforced Hybrid Composite P Parandaman, M Jayaraman International Journal of Applied Engineering Research 10 (5), 12009-12019	1	2015
Experimental Investigation on the Mechanical Properties of Jute/Sisal/Glass and Jute/Banana/Glass Hybrid Composite Materials P Parandaman, M Jayaraman European Journal of Applied Sciences 7 (3), 138-144	s 12	2015
Evaluation of Mechanical Properties of Aluminium Alloy 7075 Reinforced with SiC and Al2O3 Hybrid Metal Matrix Composites P Pugalenthi, M Jayaraman, A Natarajan Applied Mechanics and Materials 766, 246-251	i 15	2015
Mechanical Behaviour of Sugarcane Bagasse and Banana Fibers Reinforced Composite P Parandaman, M Jayaraman Applied Mechanics and Materials 766, 104-109		2015
Investigations on friction stir welding of cast aluminium alloys M Jayaraman Anna University, Chennai		2014
Finite Element Analysis of Reinforced Concrete Beam Retrofitted with Different Fiber Composites P Parandaman, M Jayaraman Middle-East Journal of Scientific Research 22 (7), 948-953	17	2014

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