

Paper Publications in year 2017-18 (International Journal)

Sr.No.	Title of the paper	Author	Journal
1	Effect of Strain Rate on Mechanical Responses of Jute-Polyester Composites	Ashok Mache	SAE Technical Paper, 2017. No. 2017-01-1467
2	Effect of Welding Parameters on Tensile & Yield Strength of IS 2062 grade Steel Using Design of Experiment Approach	K. R. Jagtap, M. S. Rojekar ,S. V. Dravid, , A. R.Deshpande	Materials Today: Proceedings 4 (2017) 7875–7883
3	Evaluation of Tensile Strength of a Butt-Welded Joint Considering the Effect of Welding Parameters Using Response Surface Methodology	A.R. Deshpande, S. S. Chinchankar, A. P. Kulkarni	Materials Today: Proceedings 4 (2017) 7219-7227
4	Experimental and Numerical Study on Moisture Diffusion Phenomenon of Natural Fiber based Composites.	Pradip Sature, Ashok Mache	Materials Today: Proceedings 4 (2017) 10293–10297
5	Characterization of Glass Hybrid composite: A Review	Yash M. Kanitkar, Atul P. Kulkarni, Kiran S. Wangikar	Materials Today: Proceedings 4 (2017) 9627–9630
6	Experimental determination of forced convection heat transfer over a plate with nozzle plate	R. J. Yadav, Prathmesh Joshi, Sandip Kore, D. A.Kamble	Journal of Heat-Mass Transfer Enhancement Techniques, American society of Thermal and Fluid Engineering (ASTFE), pages 2241-2246., ISSN: 2379-1748, Digital library, ISBN: 978-1-56700-430-4
7	Investigation of heat transfer coefficient for non-circular duct with twisted tape insert	D. A. Kamble, R.J.Yadav	Journal of Experimental methods and Instrumentation, ,American society of Thermal and Fluid Engineering (ASTFE), pages 527-535.. ISSN: 2379-1748, Digital library, ISBN: 978-1-56700-430-4.
8	Study of Various forging processes with their diffects	Avinash Somatkar	International Journal of Pure and Applied Research in Engineering and Technology, 6(1),2017, pp. 1-11
9	Machinability Investigation of AISI 304 Austenitic Stainless Steels using Multilayer AlTiN/TiAlN Coated Carbide Inserts,	Atul P. Kulkarni , V. G. Sargade, C. R. More, 2018,	Procedia Manufacturing, 2018,20, pp. 548-553
10	Characterization of Glass Laminate Aluminium Reinforced Epoxy- A Review	N.A. patil, S. S. Mulik, K. S. Wangikar, A. P. Kulkarni ,	Procedia Manufacturing,2018, 20, pp. 554-562
11	Literature review on properties of	P. P. Rathod, I.	International Journal of Research

	recycle high density polyethylene composite,	Deshmaya, A	in applied science and Engineering Technology, pp. (5) 997-999
12	Design and analysis of plastic gears in rack and pinion steering system for formula supra car,	Ashwin Chopane, Shanu Gupta, Abhiram Ajit, Sushant Kakroo, Aniket Salve	Materials Today: Proceedings, (5), Issue 2, Part 1, 2018, Pages 5154-5164
13-S-19	Design and development of frontal impact beam for passenger car using glass fibre epoxy composite	N.H.Ambhore, A.R.Machee	International Journal of Engineering Research in Mechanical and Civil Engineering, Vol 2, Issue 12, pp. 15-21

Paper Publications in year 2017-18 (International Conference)

Sr No	Title of the paper	Authors	Details
1	Experimental investigation of dry sliding wear behaviour of jute/epoxy and jute/glass/epoxy hybrids using Taguchi approach	Ashok Mache Abhijeet Deshpande, Atul Kulkarni	International Conference on "Advances in Materials and Manufacturing Applications (IconAMMA 2018)", 16th - 18th August, 2017, Amrita Vishwa Vidyapeetham University, Bangalore 560 035.
2	Design Methodology for Gear Shift Map of Automated Manual Transmission	Ashok Mache	International Conference on "Advances in Materials and Manufacturing Applications (IconAMMA 2018)", 16th - 18th August, 2017, Amrita Vishwa Vidyapeetham University, Bangalore 560 035.
3	Experimental Investigation of Transverses Shear Strength of Natural Fiber Based Hybrid Composite Materials,	Gouri bodhe, Ashok Mache, Kiran Wangikar	1st International Conference on Innovations in Mechanical Engineering (iCIME-2018), 5-6 January 2018, Guru Nanak Institutions, Vshimpatnam, INDIA
4	Banana Fiber Reinforcement for Composite Materials An overview	A.R. Deshpande, K. S. Wangikar	2 nd International Conference on Materials, Manufacturing and Design Engineering (iCMMD2017), 11-12 December 2017, MIT Aurangabad, Maharashtra, INDIA
5	Estimation of Optimum Tilt Angle and Wind Load on Flat Roof Solar PV Racking System for Different Cities in India	K. S. Wangikar , A.R. Deshpande,	2 nd International Conference on Materials, Manufacturing and Design Engineering (iCMMD2017), 11-12 December 2017, MIT Aurangabad, Maharashtra, INDIA

6-s	Experimental investigation of dry sliding wear behaviour of jute/epoxy and jute/glass/epoxy hybrids using Taguchi approach	A.P.Kulkarni	IconAMMA-2017 Amrita Vishwa Vidyapeetham University
7	Experimental investigation of dry sliding wear behaviour of jute/epoxy and jute/glass/epoxy hybrids using Taguchi approach	Ashok Machee	IconAMMA-2017 Amrita Vishwa Vidyapeetham University
8	Experimental investigation of dry sliding wear behaviour of jute/epoxy and jute/glass/epoxy hybrids using Taguchi approach	A.R. Deshpande	IconAMMA-2017 Amrita Vishwa Vidyapeetham University
9	Design methodology for gear shift map of automated manual transmission	A.R.Machee	IconAMMA-2017 Amrita Vishwa Vidyapeetham University
10	Multi-objective optimization of hard turning using non-dominated sorting genetic algorithm approach	S.S.Chinchni kar	ICMTS
11	Multi-performance optimization of hard turning of AISI4340 steel using particle swarm optimization technique	S.S.Chinchni kar	IconAMMA-2017 Amrita Vishwa Vidyapeetham University
12	Multi-performance optimization of hard turning of AISI4340 steel using particle swarm optimization technique	Mahendra Gadge	IconAMMA-2017 Amrita Vishwa Vidyapeetham University
13	Geometric modification of EGR mixture intake connection for medium duty diesel engine.	A.P.Kulkarni	Cummins Technical Report
14	Geometric modification of EGR mixture intake connection for medium duty diesel engine.	K.S.Wangikar	Cummins Technical Report

15	Finite Element Analysis and experimental investigation of EGR mixture intake connection for medium duty diesel engine	A.P.Kulkarni	Cummins Technical Report
16	Finite Element Analysis and experimental investigation of EGR mixture intake connection for medium duty diesel engine	K.S.Wangikar	Cummins Technical Report
17	Mechanical Characterization and effect of hydraulic aging on glass kevlar hybrid composite	K.S.Wangikar	ICRAETS
18	Mechanical Characterization and effect of hydraulic aging on glass kevlar hybrid composite	A.D.Kale	ICRAETS
19	Experimental investigation of transverse shear strength of natural fibre based hybrid composite materials	K.S.Wangikar	ICRAETS
20	Experimental investigation of transverse shear strength of natural fibre based hybrid composite materials	Ashok Machee	ICRAETS
21	Experimental investigation of transverse shear strength of natural fibre based hybrid composite materials	K.S.Wangikar	ICRAETS
22	Tool condition monitoring using vibration signals during hard turning: A review	N.H.Ambhore	ATSMDE
23	Tool condition monitoring using vibration signals during hard turning: A review	S.S.Chinchni kar	ATSMDE

24	Innovative approach to predict cutting tool reliability using Markov Chain Monte Carlo (MCMC) methodology	S.S.Chinchni kar Mohamad Gaddafee	2nd International conference VISHWACON 2018
25	Review on Factors Affecting Friction and Wear Behaviour of Polymer Composites	A.R.Deshpan de	2nd International conference VISHWACON 2018
26	Review on Factors Affecting Friction and Wear Behaviour of Polymer Composites	K.S.Wangikar	2nd International conference VISHWACON 2018
27	Development of Aluminium Metal Matrix Composites: A review	A.S.Salve	2nd International conference VISHWACON 2018
28	Experimental Investigation of Damping Property of Natural Fiber Reinforced Composites	Ashok Machee	2nd International conference VISHWACON 2018
29	Experimental Investigation of Tool Wear by Using Vibration Signals	N.S.Ambhore	2nd International conference VISHWACON 2018

Paper Publications in year 2017-18 (National Conference)

30	Buckling behavior of functionally graded carbon nanotube reinforced composite (FG-CNTRC) plate subjected to axial compression: Modeling and Simulation	F. A. Shaikh	National Conference on Surface Science and Technology, VIT Chennai, 10-11 Nov, 2017
31	Experimental & CFD Investigation of heat transfer through quarter baffles core rod insert in a tube. (IHMTC2017-09-0984)	D.A.Kamble, Sandeep Kore, Priti Bhodkhe,	Proceedings of the 24th National and 2nd International ISHMT-ASTFE, Heat and Mass Transfer Conference (IHMTTC-2017) , December 27-30, 2017, BITS Pilani, Hyderabad, India.