



R&D Data 2020-21

Publications (Journal): Academic Year 2020-21 (1 July to 30 June)

Sr. No.	Name Authors	Title of paper	Name of Journal	National/ International	ISSN No.	Vol/ Issue No.	Page No.	Date/ Year	Indexing	Impact factor
1.	Dr P M Purohit S H Reddy N S Nair R Bandale	Portable water cooling system using desert cooler	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	International	2249-6890	Vol. 10 Issue 3	8191-98	August 2020	Scopus	-
2.	Narendra B Kulkarni Dr S M Sansgiri	Virtual design analysis of the sleeping structure	Journal of Physics: Conference Series	International	Online ISSN: 1742-6596 Print ISSN: 1742-6588	1706 (2020) 01220 5	1-6	August 2020	Scopus	-



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3.	Prof R B Gurav	Analysis of combined effect of buoyancy and inertia in a channel with an open cavity	International Journal of Mechanical and Production Engineering Research and Development	International	2249-6890	Vol. 10 Issue 3	10673-80	Sept 2020	Scopus	-
4.	S A Katait Prof P V Dorlikar	Optimal Selection of Steering Mechanism for Electric Vehicle https://doi.org/10.4271/2020-28-0446	SAE Technical Paper 2020-28-0446 SAE technical paper series, SAE International, https://saemobilus.sae.org/content/2020-28-0446	International	ISSN: 0148-7191, e-ISSN: 2688-3627	-	1-10	Sept 2020	Scopus	-



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5.	Swadesh Suman Swati Singh Vinit Upada Prof S M Gaikwad	Numerical Investigation and Experimental Validation of Shape and position optimization of a static wavy flag for Heat Transfer Enhancement	International Journal of Ambient Energy	International	Print ISSN: 0143-0750 Online ISSN: 2162-8246	43(1)	3237-3245	Sept 2020	Scopus	0.421 (2021) SJR
6.	Akasht Bodhale Prof R B Patil	Tribological behaviour of uncoated steel and fluorocarbon coated steel under dry and lubricated sliding conditions	Materials Today: Proceedings	International	ISSN 2214-7853	46 Part 19	9747-9751	Oct 2020	Scopus	-



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7.	Kunal S. Shah Sanjiv M. Sansgiri	Implementatio n of point interpolation mesh less method for failure analysis of laminated composite beams	Mechanics of Advanced Materials and Structures	International	Print ISSN: 1537- 6494 Online ISSN: 1537- 6532	Vol. 28	1-11	April 2021	SCIE	3.338 (2021)
8.	Mohammad Irfan Ahmad Pankaj Dorlikar	Design Study of an Electric Motorcycle Chassis Obtained using Topology Optimization	OP Conf. Series: Materials Science and Engineering	International	Online ISSN: 1757- 899X Print ISSN: 1757- 8981	1128 (2021) 01201 3	1-10	April 2021	Scopus	-
9.	S M Gaikwad	Investigation of heat transfer and fluid flow characteristics in straight and zigzag microchannels with water as working medium	International International Journal of Ambient Energy+	International	Print ISSN: 0143- 0750 Online ISSN: 2162- 8246	43(1)	1-13	May 2021	Scopus	0.421 (2021) SJR



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Book Article/ Chapter published: Academic Year (1 July to 30 June)

Sr. No.	Name Authors	Title	ISBN	National/ International	Page No.	Publisher Details	Date/Year
1.	Lalit Babu Saxena Dr A M Gadade Dr S M Sansgiri	Dynamic Behaviour of Laminated Composite Beam Undergoing Moving Loads	978-981-15-4487-3	International	201-211	Part of the Lecture Notes in Mechanical Engineering book series (LNME) Trends in Mechanical and Biomedical Design	August 2020
2.	Kunal S. Shah Dr A M Gadade Dr S M Sansgiri	Response of a Layered Composite Beam Subjected to Static Loading Using Point Interpolation Meshless Technique	978-981-15-4487-3	International	189-199	Part of the Lecture Notes in Mechanical Engineering book series (LNME) Trends in Mechanical and Biomedical Design	August 2020
3.	Dr P M Purohit	Cyclic Oxidation of Combined LTA/YSZ and Alumina Thermal Spray Coatings (Book Name: Advanced Surface Coating Techniques for Modern Industrial Applications)	13: 9781799848707	International	71-87	IGI Global USA	Sept 2020



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Sr. No.	Name of Authors	Title	ISBN	Local/ National/ International	Publisher Details	Date/Year
1.	Prof R B Patil	Design Data Handbook	ISBN: 978-93-89503-30-2	National	www.techknowledgebooks.com	2020
2.	Prof R B Patil	Computer Integrated Manufacturing	ISBN: 978-93-89684-48-3	National	www.techknowledgebooks.com	2020
3.	Prof R B Patil	Design of Machine Elements - I	ISBN: 978-93-89233-77-3	National	www.techknowledgebooks.com	2020