

M. E. S. College of Engineering, Pune. Department of Mechanical Engineering Number of papers published per teacher in the Journals notified on UGC website during the last five years											
Academic Year	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number			Citeatolns	
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other		
Dr. Vikas Chougule											
2022-23	Development of reverse-phase high-performance liquid chromatographic and UV- Spectrophotometric method with validation for octadecine dihydrochloride	Vikas Chougule, Manjiri Rajmane, Nilesh Chougule, Abhishek Desai, Vinayak Rohile, Nasruddin Inamdar	Mechanical	American Journal of Pharmtech Research	2022	ISSN: 2249-3387	https://www.ajptr.com/	/ajptr.com/assets/upload/publish_article/AJPTR12301	Scopus	1	
2022-23	Classification of damages in composite material using multi-support vector machine	B Rajiv, Pritam Kalos, Prakash Pantawane, Vikas Chougule, Vishwanath Chavan	Mechanical	Journal of The Institution of Engineers (India): Series C	2022	Print ISSN: 2250-0545	https://link.springer.com/journal/40032	https://doi.org/10.1007/s40032-022-00811-1.pdf	Scopus	4	
Dr. Vajjanath Raibhole											
2022-23	Numerical assessment of thermal performance of heated air duct with novel arc profile ribs in non-interrupted arrangement	Harshad Deshpande, Vajjanath Raibhole	Mechanical	Materials Today: Proceedings	2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2021.11.534	Scopus	4	
2022-23	Cascade refrigeration system with environment friendly refrigerants as R290 and ammonia	VN Raibhole, DA Kamble	Mechanical	International Journal of Environmental Engineering	2022	ISSN (print): 1756-8463	https://www.inderscienceonline.com/journal/ijee	https://doi.org/10.1504/IJEE.2022.128070	Scopus	1	
2022-23	Design, development and analysis of onion cold storage system	Mukund Joshi, Aniket Choudhan, Omkar Dixit, Mayuri Yadav, VN Raibhole, Harshad Deshpande	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080344	Scopus	3	
2022-23	Review on the use of various blends of soybean oil-based biodiesel in CI engine	Mrunal Vaman Yadav, SY Bhosale, HN Deshpande, VN Raibhole	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080347	Scopus	1	
Dr. SH Gawande											
2022-23	Multi-response design optimisation of convolution stresses of metal bellows using integrated PCA-GRA approach	ND Pagar, SH Gawande	Mechanical	Australian Journal of Mechanical Engineering	2022	Print ISSN: 1448-4846	https://www.tandfonline.com/doi/tmec20	https://doi.org/10.1080/14484846.2020.1725347	Scopus	17	
2022-23	Biodiesel production from DK oils using Taguchi L9 techniques: characterization and thermogravimetric study of combustion characteristics	Ganesh Vijay More, YV Hanumantha Rao, SA Kedar, SH Gawande	Mechanical	Journal of thermal analysis and calorimetry	2022	Print ISSN 1388-6150	https://link.springer.com/journal/10973	https://doi.org/10.1007/s10973-021-11020-w	Scopus	9	
2022-23	Wet sliding wear behavior of EN31 rolling contact bearings for screw compressor application with statistical analysis	SH Gawande, Ketan Raykar	Mechanical	Tribologia-Finnish Journal of Tribology	2022	ISSN 0780-2285	https://journal.fi/tribologia	https://doi.org/10.30678/ft.109837	Scopus	2	
2022-23	Study of Wear Behavior with Statistical Analysis of Rolling Contact Bearings for Screw Compressor	SH Gawande, KA Raykar, KH Munde	Mechanical	Journal of Bio-and Tribo-Corrosion	2022	Print ISSN:2198-4220	https://link.springer.com/journal/40735	https://doi.org/10.1007/s40735-022-00701-0	Scopus		
2022-23	Heat transfer augmentation in a circular tube fitted with tri-partition flow splitters	VS Chandratre, AA Keste, NK Sane, SH Gawande	Mechanical	International Journal of Ambient Energy	2022	ISSN 2162-8246 (Online)	https://www.tandfonline.com/journals/taen20	https://doi.org/10.1080/01430750.2021.1922499	Scopus		
Dr. Anirban C Mitra											
2022-23	Comparative analysis of passive and semi-active suspension system for different road profiles by using Matlab/Simulink	Shital V Pol, Anirban Mitra, Rahul Yerrawar	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080309	Scopus	3	
2022-23	Development of virtual laboratories--An evolution of traditional laboratories	Anirban Mitra, Aniket Gawande, Ketan Chaudhari, Prasad Lokhande, Himanshu Aate	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080399	Scopus	2	
2022-23	Development and analysis of passive suspension model with half sine wave road bump for different suspension parameters	Anirban C Mitra, Ajay Rajput, Vinay Satish, Shubhali Mhatre	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080400	Scopus	4	
Dr. V. J. Sonawane											
2022-23	Synthesis of anthropomorphic fingers for robotic hands	Akash Lawand, Suhas S Jadhav, Sushant S Jadhav, Vaishali J Sonawane	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0157122	Scopus		
Dr. A. R. Patil											
2022-23	Design and development of 360 degree welding turn table with scissor height adjuster	Bhushan Nandre, Neha Salunkhe, Swaraj Bhure, Amit Patil	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080464	Scopus		
2022-23	Experimental investigation on the effect of optimized dimethyl carbonate on CI engine performance & Emissions at various engine operating parameters using Taguchi method	Amit R Patil, Rupa S Bindu, Avinash M Pawar, Nitin D Pagar, Bhushan D Nandre	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080194	Scopus	7	
2022-23	Normal and shear stress distributed points on thin walled corrugated tubes by conformal transformation technique	Nitin D. Pagar, Bhumeswar M Patle, Amit R Patil, Santosh A Darade	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080353	Scopus	1	
2022-23	Biodiesel Fueled Engine Vibration Studies by Taguchi Method and Results Validation by ANN	R. R. Arakerimath Satish A. Patil, Amit R. Patil, Bhupendra S. Patil, Dipak S. Patil	Mechanical	International Journal of Mechanical Engineering	2022						
2022-23	A review on Industry 5.0: The techno-social revolution	AR Patil, K Thakur, K Gandhi, V Savale, N Sayyed	Mechanical	International Journal of Mechanical Engineering	2022					10	
Prof. S. S. Jadhav											
2022-23	Synthesis of anthropomorphic fingers for robotic hands	Akash Lawand, Suhas S Jadhav, Sushant S Jadhav, Vaishali J Sonawane	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0157122	Scopus		
Dr K.A.Mahajan											
2022-23	Tool vibration effect on surface roughness of polymethylmethacrylate in diamond turning	Kuldeep A Mahajan, Raju S Pawade, Vinod Mishra	Mechanical	Materials and Manufacturing Processes	2022	ISSN 1532-2475	https://www.tandfonline.com/journals/mmj20	https://doi.org/10.1080/10426914.2021.1973029	SCIE	11	
Dr.Rahul N. Yerrawar											
2022-23	Comparative analysis of passive and semi-active suspension system for different road profiles by using Matlab/Simulink	Shital V Pol, Anirban Mitra, Rahul Yerrawar	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080309	Scopus	3	
2022-23	Experimental Investigation and Micro Structural Variation in Friction Drilling on AISI 1015 Low Carbon Steel, AISI 1008 Aluminium and Copper by Using Tungsten Carbide Tool	Vinayak W Bembrekar, Rahul N Yerrawar	Mechanical	Techno-Societal 2016, International Conference on Advanced Technologies for Societal Applications	2022	978-3-031-34644-6	https://link.springer.com/book/10.1007/978-3-031-34644-6	https://doi.org/10.1007/978-3-031-34644-6_58	Scopus		
Dr.Bhushan Nandre											
2022-23	Design and development of 360 degree welding turn table with scissor height adjuster	Bhushan Nandre, Neha Salunkhe, Swaraj Bhure, Amit Patil	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080464	Scopus		
2022-23	Experimental investigation on the effect of optimized dimethyl carbonate on CI engine performance & Emissions at various engine operating parameters using Taguchi method	Amit R Patil, Rupa S Bindu, Avinash M Pawar, Nitin D Pagar, Bhushan D Nandre	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0080194	Scopus	7	
2022-23	The effects of hardness of different impacting particles and target materials on slurry erosion wear	Bhushan D Nandre, Dhnanjay W Patil, Girish R Desale	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0081108		1	
Dinesh R. Salunke											
2022-23	Investigations on tensile and flexural behaviors of sugarcane fiber/boron nitride/fly ash reinforced polymer matrix composite	Pradhyumn Bhardwaj, Rohit Omprakash Panjabi, Omkar Ashok Nade, Venkatachalam Gopalan, Vignesh Pragasam, Dinesh Ramesh Salunke	Mechanical	Polymer Composites	2022	Print ISSN:0272-8397	https://4speepublications.onlinelibrary.wiley.com/journal/15480569	https://doi.org/10.1002/pc.26492	SCI	9	
2022-23	Investigation of electrical resistance and dielectric constant of Boron Nitride and Banana fiber reinforced epoxy polymer matrix composite	Dinesh R Salunke, Venkatachalam Gopalan	Mechanical	Polymers and Polymer Composites	2022			https://doi.org/10.1063/5.0110542	SCI	4	
2022-23	Development of a non-humanoid robot for hospitality	Samak Devavrat, Dinesh Salunke	Mechanical	AIP Conference Proceedings	2022	Print ISSN 0094-243X	https://pubs.aip.org/aip/acp		Scopus		
2022-23	Thermal conductivity of boron nitride/banana fiber reinforced epoxy hybrid composites	Dinesh Ramesh Salunke, Venkatachalam Gopalan	Mechanical	Journal of Natural Fibers	2022	Print ISSN: 1544-0478	https://www.tandfonline.com/journals/wjnf20	https://doi.org/10.1080/15440478.2021.1966568	SCI	3	
2022-23	Study on tensile properties of fly ash, sugarcane fiber and carbon nanotube-reinforced polymer matrix composite using objective evolutionary algorithm	Gopalan Venkatachalam, Arunkumar Gopu, Pitchumani Shenbaga Velu, Neelamarayan Venkataraman, Dinesh Ramesh Salunke, Raghava Rao Mukkamala	Mechanical	Nanomaterials	2022	ISSN: 2079-4991	https://www.mdpi.com/journal/nanomaterials	https://doi.org/10.3390/nano12234112	SCI	7	