

Sr. No	Name of the Author	Name(s) of the Co-Author	Title of the Paper	Name of the Journal	Month of Publication	Year	Academic Year	Impact Factor	ISSN	DOI, vol., Iss., pp	Indexing: SCI/Scopus/	H-index of the
2023-24			SCOPUS- 4				SCI-0					
1	Dr. Sandeep Joshi	Pranjali Tete and Mahendra Gupta	A comparative study of novel designs of liquid-cooled battery thermal management systems	Transportation Research Procedia	November	2023	2023-24	3.2	Online ISSN: 2352-1465	https://doi.org/10.1016/j.trpro.2023.11.011	Scopus	59
2	Dr. A K Jha	Bhumeshwar K. Patle Brijesh Patel Sunil Kumar Kashyap	Self-Directed Mobile Robot Navigation Based on Functional Firefly Algorithm (FFA)	Eng MDPI	October	2023	2023-24	46	ISSN: 2673-4117	https://doi.org/10.3390/eng4040152	Scopus	-
3	Rahul G. Deshmukh	Dinesh R. Zanwar Sandeep S. Joshi Yogesh G. Joshi	Impact of magnetic field generated using neodymium-iron-boron magnetic pairs on condensation heat transfer coefficient for tetrafluoroethane (R134a)	Materials Today: Proceedings	August	2023	2023-24	0.34	2214-7853	https://doi.org/10.1016/j.matpr.2023.08.220	Scopus	69
4	Abhishek Sharma	B Pavani Srikavya b, A.D. Urade c, Amit Joshi d, Renuka Shyam Narain e, Vinay Dwarakanath f, Tabish Alam g, Ravi Shankar Dreod	Economic and environmental impacts of biofuels in Indian context	Materials Today: Proceedings, 2023	May	2023	2023-24	3.2	Online ISSN: 2214-7853	In press	scopus	69
2022-23			SCOPUS- 10				SCI-7					
1	Shubham Deshmukh	Shubham V. Deshmukh, Sandeep S. Joshi, Ayush V. Khapekar & Mandar Y. Mohite	Theoretical and experimental investigations on the performance of passive cooling arrangement for solar photovoltaic module'	J Braz. Soc. Mech. Sci. Eng.	December	2023	2022-23	2.36	1806-3691	https://doi.org/10.1007/s40430-022-03964-3	SCI	51

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2	Vishal Shukla	Shubham Dudhbade, Limesh Patle	Performance analysis of mini-channel heat exchanger for e-vehicle battery cooling	Journal of East China University Science and Technology	October	2022	2022-23	0.17	1006-3080	doi.org/10.5281/ZENODO-022-03964-3	-	13
3	Rahul Waghmare,	R. Jilte, Sandeep Joshi, Pranjali Tete	Review on Agrophotovoltaic systems with a premise on thermal management of photovoltaic modules therein'	Environmental Science and Pollution Research	September	2023	2022-23	4.223	1614-7499	https://doi.org/10.1007/s11356-022-23202-6	SCI	154
4	Rahul Waghmare	R Jilte, Sandeep Joshi	Performance Analysis of Agrophotovoltaic Systems with Solanum Lycopersicum crops	Materials Today: Proceedings	September	2022	2022-23	1.46	2214-7853	https://doi.org/10.1016	Scopus	69
5	Dr. V. V. Shukla	Rudran Pillay, Swapnil Murkute	Computational Analysis of External Biomedical Fixator and Orthotropic Bone	Neuro Quantology	September	2022	2022-23	0.453	1303-5150	Volume 20 ISSUE 9	-	25
6	Dr Pranjali Deole	Dr. Shweta A.Panchbudhe1, Dr Veena Mahajan2	Telemedicine-A step towards better medicine	Neuro Quantology	September	2022	2022-23	0.453	1303-5150	doi:10.14704/nq.2022.20.9	-	25
7	Veeranan Arunprasad	P.S. Deole B Kiran Kumar K. Srinivasan VG Pratheep Kartikeya Parmar S. Siva Chandran	Thermal regulation of photovoltaic cells using a phase change material	Materials Today: Proceedings	July	2023	2022-23	0.34	2214-7853	https://doi.org/10.1016/j.matpr.2023.07.169	Scopus	69
8	Prof. Nitin P. Gudadhe	1)Assefa Belay Teferi 2)Putta Nageswara rao 3)Seeram Srinivasa Rao	Influence of shielding gas variation and welding parameters on the microstructure and microhardness of SAE 1035 steel welded by the MAG process	Materials Today: Proceedings, 2023	June	2023	2022-23	0.34	Online ISSN: 2214-7853	https://doi.org/10.1016/j.matpr.2023.06.028	Scopus	69
9	Vishal Shukla	P. V. Sawalakhe J. A. Shaaikh M. G. Trivedi N. P. Gudadhe	Enhancing Manufacturing Processes through Data Analytics in Mastercam Setup Sheets	Research Highlights in Mathematics and Computer Science, B. P. International	April	2023	2022-23	-	Print ISBN: 978-81-19217-22-9 Online ISBN: 978-81-19217-30-4	https://doi.org/10.9734/bpi/rader/v2/5635E	-	185

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10	Prof. Nitin P. Gudadhe	1)V. Somesh 2)Nitin Gudadhe 3)Balaji Boopathi 4)S. Padmanabhan	Structural analysis of motorcycle spokes design using finite element analysis with alloy materials	Materials Today: Proceedings, 2023	April	2023	2022-23	3.2	Online ISSN: 2214-7853	https://doi.org/10.1016/j.matpr.2023.04.380	Scopus	69
11	Prof. Nitin P. Gudadhe	1)Ch. Siva Ramakrishna 2)R. Pugazhenth 3)Nitin Gudadhe 4)S. Baskar 5)Renu 6)Rajan Kumar	Contact stress analysis of xylon coated spur gear using ANSYS workbench	Materials Today: Proceedings, 2023	April	2023	2022-23	3.2	Online ISSN: 2214-7853	https://doi.org/10.1016/j.matpr.2023.03.572	Scopus	69
12	Priya Upadhyay	1)Virendra Rajput 2)Pushpendra Singh Rajput 3)Vivek Mishra 4)Irshad Ahmad Khan 5)Alok Jha 6)Alok Agrawal	Physical, mechanical and sliding wear behaviour of epoxy composites filled with micro-sized marble dust composites	Materials Today: Proceedings, 2023	February	2023	2022-23	2.59	2214-7853	https://doi.org/10.1016/j.matpr.2023.01.276	Scopus	69
13	Ritesh K Sambre	Ritesh Krishna Sambare , Sandeep Joshi , Nilesh Charanlal Kanojiya	Improving the freshwater production from tubular solar still using sensible heat storage materials	Thermal Science and Engineering Progress	February	2023	2022-23	4.56	2451-9049	https://doi.org/10.1016/j.tsep.2023.101676	SCI	48
14	Yogesh G. Joshi	Dinesh Zanwar, Sandeep Joshi	Performance investigation of vapor compression refrigeration system using novel amine treated graphene quantum dots based nanosuspension	Thermal Science and Engineering Progress	February	2023	2022-23	4.56	2451-9050	https://doi.org/10.1016/j.tsep.2023.101678	SCI	48
15	Pawan Sawlani	1)Pawan Sawlani 2)Dharmendra Tyagi 3)Virendra Rajput 4)Madhusmita Sahu 5)Gaurav Gupta 6)Alok Jha 7)Alok Agrawal	Physical and mechanical behaviour of polyester-based composites with micro-sized blast furnace slag as filler material	Materials Today: Proceedings, 2023	February	2023	2022-23	2.59	2214-7853	https://doi.org/10.1016/j.matpr.2023.01.277	Scopus	69

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16	Mahadev Madgule	N Vinayaka , Yeshwant M. Sonkhaskar, Dhiren	Mechanical properties and microstructure of activated TIG welded Mechanical properties and microstructure of activated TIG	Materials Today: Proceedings 2023	January	2023	2022-23	2.59	2214-7853	https://doi.org/10.1016/j.matpr.2022.12.250	Scopus	69
17	Vishal Shukla	Madhuram Kamat,Gajanan Nikhade,Yogesh v Deshpande	The Impact of Baffle Design on Rotational Molding Performance using CFD	Advances in Mechanical Engineering (Volume - 4), AkiNik	March	2023	2022-2023	-	978-93-5570-674-4	http://doi.org/10.22271/ed.book.2229	-	54
18	Ritesh Krishna Sambare	Ritesh Krishna Sambare a b, Satish Kumar Dewangan c, Pankaj Kumar Gupta d, Sandeep Joshi	Energy, exergy and economic analyses of tubular solar still with various transparent cover materials	Process Safety and Environmental Protection	December	2022	2022-23	7.926	0957-5820	DOI:10.1016/j.procs.2021.11.188	SCI	100
19	Vishal Shukla	Bhushan Bissa, Aman Singh	Dynamic Crash analysis of roll-cage of an ATV	Journal of East China University Science and Technology	October	2022	2022-23	0.17	1006-3080	DOI: 10.5281/ZENODO.7254074, Vol 65, iss-4, 269-278	-	13
20	DR.PRANJALI SARANG DEOLE	Amel Gacem,Moamen S. Refat,H. Elhosiny Ali,S.	Optimization AND Mechanical Characteristics of AA6061/Zirconia Nanocomposites Fabricated by	Journal of Nanomaterials	September	2022	2022-23	3.79	10.1155/2022/2453412	https://doi.org/10.1155/2022/2453412	SCOPUS	90
21	D. K. Pise	Pranjali Deole,Sandeep Joshi,	Performance Improvement of Compound Parabolic Collector Using Dual Receivers	Lecture Notes in Mechanical Engineering. Springer	September	2022	2022-23	0.19	2195-4364	https://doi.org/10.1007/978-981-19-3467-4_1	SCOPUS	24
22	Mangesh Joshi	V S Deshpande	Enhancing Ergonomics in Automotive Cylinder Head Manual Lapping: Workstation Assessment and Design Workstation Assessment and Design	Journal of Scientific & Industrial Research	Jul-23	2023	2022-23	0.6	0022-4456	10.56042/jsir.v82i9.504	SCI	61
23	Prashant Shiwalkar	Swati D. Moghe	Novel Methodology for Inflection Circle-Based Synthesis of Straight Line Crank Rocker Mechanism	ASME Journal of Mechanisms and Robotics	Oct-22	2022	2022-23	2.6	19424302, 19424310	https://doi.org/10.1115/1.4053373	SCI	55
2021-22 SCOPUS- 3 SCI-7												

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1	Ritesh K. Sambare	Satish Kumar Dewangan , Pankaj Kumar Gupta, Sandeep S. Joshi	Augmenting the productivity of tubular solar still using low-cost energy storage materials', Environmental Science and Pollution Research	Environmental Science and Pollution Research	June	2022	2021-22	4.223	09441344, 16147499	https://doi.org/10.1007/s11356-022-21324-5	SCI	132
2	Prashant Shiwalkar	Swati D. Moghe J.P. modak	ANN for improved Inflection Circle based synthesis of straight line crank rocker	ASME Journal of Mechanisms and Robotics	February	2022	2021-22	2.085	1942-4302	https://doi.org/10.1115/1.4053373	SCI	55
3	Rahul Deshmukh	Dinesh Zanwar, Sandeep Joshi	Experimental investigations on the performance of a vapor compression refrigeration system under the influence of magnetic field generated using magnetic pair and Halbach array	Energy Sources, Part A: Recovery, Utilization, And Environmental Effects	January	2022	2021-22	2.9	1556-7036	http://dx.doi.org/10.1080/15567036.2021.2024302	SCI	60
4	Nikhil Bhave	Mahendra Gupta, Sandeep Joshi	Combustion, Performance and Emission characteristics of Diesel Engine using Oxy-hydrogen gas as a Fuel Additive	Environmental Science and Pollution Research	November	2022	2021-22	4.223	09441344, 16147499	https://doi.org/10.1016/j.fuproc.2021.107098	SCI	132
5	Pranil V. Sawalakhe	Vishal V. Shukla, Pooja Shende	FEA of contact between scleral buckle and human eye tissues	Asia -Pacific Journal of Science and	January	2022	2021-22	0.84	2539-6293	https://doi.org/10.14456/apst.2022.15	Scopus	6
6	Pranjali Tete	Sandeep Joshi, Mahendra Gupta	Numerical investigation on thermal characteristics of a liquid-cooled lithium-ion battery pack with cylindrical cell casings and a square duct	Journal of Energy Storage	January	2022	2021-22	6	2352-152X	https://doi.org/10.1016/j.est.2022.104041	SCI	81
7	Yogesh Joshi	Dinesh Zanwar, Sandeep Joshi	Experimental investigation of Al ₂ O ₃ nanosuspension in vapour compression refrigeration system using tetrafluoroethane and iso-butane refrigerants'	Materials Today: Proceedings	September	2021	2021-22	0.34	2214-7853	https://doi.org/10.1016/j.matpr.2021.09.209	Scopus	47
8	Nikhil Bhave	Mahendra Gupta, Sandeep Joshi	Combustion, Performance and Emission Characteristics of Early Direct Injection Compression Ignition Engine with Varying Oxy Hydrogen Gas Concentration	SAE Technical Paper	September	2021	2021-22	0.3	0148-7191	https://doi.org/10.4271/2021-01-1171	Scopus	107

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9	Nikhil Bhave	Mahendra Gupta, Sandeep Joshi	, Effect of Oxy-hydrogen Gas Addition on Combustion, Performance, and Emissions of Premixed Charge Compression Ignition Engine'	Fuel Processing Technology	March	2021	2021-22	11.3	0378-3820	https://doi.org/10.1016/j.fuproc.2021.107098	SCI	146
10	Nikhil Bhave	Mahendra Gupta, Sandeep Joshi	Hydroxy Gas Enriched Diesel Fuel investigations on Homogenous Charge Compression Ignition Engine with Change in Injector Opening Pressure'	Petroleum Science and Technology	November	2021	2021-22	2.3	1091-6466	https://doi.org/10.1080/10916466.2021.2007126	SCI	47
2020-21 SCOPUS-1 SCI-5												
1	1.Ritesh Sambre	2. Satish Devangan, 3.Pankaj Gupta, 4.Sandeep Joshi	Exergy and thermo-economic analyses of various tubular solar still configurations for improved performance'	Energy Sources, Part A: Recovery, Utilization, And Environmental Effects	March	2021	2020-21	2.49	1556-7036	https://doi.org/10.1080/15567036.2021.1887977	SCI	60
2	Y. M. Sonkhaskar	Gajanan R. Nikhade, Saket Dharmik, Utkarsh Deshmukh & Pramod Dhote	Development of Briquette cum Pellet making Machine	Advances in Mechanical Engineering a proceeding published by Springer Nature Singapore Pvt	June	2021	2020-21	-	2195-4356	DOI:10.1007/978-981-15-3639-7_46	Scopus	-
3	1. Pranjalitete	2. Mahendra Gupta, 3. Sandeep Joshi	Developments in Battery Thermal Management Systems for Electric Vehicles: A Technical Review	Journal of Energy Storage	January	2021	2020-21	8.78	ISSN: 2352152X	https://doi.org/10.1016/j.jes	SCIE	81
4	Shubham Deshmukh	Vishal Shukla	Comparing Numerical Solution to a Second Order Boundary Value Problem by Variational Techniques	International Journal of Engineering Research &	September	2021	2020-2021	-	2278-0181	DOI : 10.17577/IJERTV10IS090175	-	11
5	1.Nikhil Bhave	2. Mahendra Gupta, 3. Sandeep Joshi	Effect of Brown's Gas Addition on Combustion and Emissions of Homogeneous Charge Compression Ignition Engine	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	September	2020	2020-21	2.49	ISSN: 1556-7036 Online ISSN: 1556-7030	https://doi.org/10.1080/15567036.2020.1817194	SCIE	60
6	Mangesh Joshi	V S Deshpande	Identification of indifferent posture zones in RULA by sensitivity analysis	International Journal of Industrial Ergonomics	May	2021	2020-21	3.1	89	https://doi.org/10.1016/j.ergon.2021.103123	SCI	89

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7	Mangesh Joshi	V S Deshpande	Investigative study and sensitivity analysis of Rapid Entire Body Assessment (REBA)	International Journal of Industrial Ergonomics	September	2020	2020-21	3.1	89	https://doi.org/10.1016/j.ergon.2020.103004	SCI	89