



Vidyavardhini's College of Engineering & Technology

K.T.Marg, Vasai West; Dist-Palghar; Pin-401202

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DEPARTMENT OF MECHANICAL ENGINEERING

REFERRED JOURNAL PAPER PUBLICATION

Sr No	Title of paper	Name of the author's	Name of Journal	Year of Publication	DOI
1	Evaluation of photovoltaic thermal-based humidification-dehumidification desalination	Shaikh, Javed Sikandar, Aswalekar, Uday, Save, Akshay,	Applied Thermal Engineering	2026	DOI: 10.1016/j.applthermaleng.2025.129277
2	Experimental study on performance and emission control of a single cylinder four stroke tri charged RCCI engine with variable injection timing	Swapnil R.Mane	Discover Applied Sciences	2026	DOI: 10.1007/s42452-025-08181-w
3	Investigation of a Scheffler collector-powered Stirling engine for decentralized power production: A theoretical study	Akhade, A., and Shaikh, J.S.	Energy Sources Part A Recovery Utilization and Environmental Effects	2025	https://www.tandfonline.com/doi/abs/10.1080/15567036.2025.2537749
4	Advancements in Jaggery Furnace Technology: A Comprehensive Study on Energy Efficiency, Bagasse Utilization, and Pollution Mitigation	Raahul Krishna	Journal of Food Process Engineering	2025	https://doi.org/10.1111/jfpe.70220
5	Influence of fluid induced tangential forces, nonlinear stiffness, and internal damping on the vibration response of a Jeffcott Rotor System	Shaikh, Javed Sikandar, Aswalekar, Uday,	Noise and Vibration Worldwide	2025	10.1177/09574565261419567
6	Review on Recent Technological Advancements on	Aniket Akhade and Javed Shaikh	Heat Transfer Journal-Wiley	2025	https://onlinelibrary.wiley.com/doi/10.1002/htj.23393



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	Solar Powered Stirling Engine				
7	Experimental Investigation on Photovoltaic Panel Integrated with fins and Cotton Wicks	Javed Shaikh	Energy Source, Part A: Recovery, Utilization and Environmental Effects	2025	https://doi.org/10.1080/15567036.2025.2498670

Sr No	Title of paper	Name of the author's	Name of Journal	Year of Publication	DOI
1	The potential of integrating solar-powered membrane distillation with a humidification dehumidification system to recover potable water from textile wastewater	J.S. Shaikh, U. Aswalekar, S. Ismail, A. Akhade	Chemical Engineering and Processing: Process Intensification	2024	https://doi.org/10.1016/j.cep.2024.110036
2	Theoretical and experimental investigation of a pilot-scale solar air-heated humidification dehumidification desalination system	J.S. Shaikh, U. Aswalekar, S. Ismail, K.V.Mane, G.Wahile	Solar Energy	2024	https://doi.org/10.1016/j.solener.2024.113122
3	A Novel Multimodel Framework for Early Detection of Alzheimer's Disease using Deep Learning	T.Nagarhalli, S.Patil, V.Pande, U.Aswalekar and P.Patil	SSRG International Journal of Electronics and Communication Engineering	2024	10.14445/23488549/IJECE-V11I11P102



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4	A Comprehensive Review of Deepfake and Its Detection Techniques	T.Nagarhalli, A.Save, S.Patil and U.Aswalekar	SSRG International Journal of Electronics and Communication Engineering	2024	10.14445/23488379/IJEEE-V11I8P111

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1	Comparison of the theoretical and experimental coefficient of friction for the brake disc-brake pad system	Mrunal Kshirsagar	Tribology and Materials	2024	doi.org/10.46793/tribomat.2023.009
2	Performance evaluation of a solar humidification dehumidification desalination system employing a multistage bubble column dehumidifier	J.S. Shaikh	Solar. Energy	2023	https://doi.org/10.1016/j.solener.2023.111933
3	The potential of sweeping gas membrane distillation integrated with multistage bubble column dehumidifier in recovering potable water from wastewater contaminated with industrial metalworking fluids	J.S. Shaikh	Chem. Eng. Process. - Process Intensifier	2023	https://doi.org/10.1016/j.cep.2023.109584
4	Investigations on a solar humidification dehumidification desalination system equipped with various packing materials and multi-stage bubble column dehumidifier	J.S. Shaikh	Environ. Sci. Pollut. Res.	2023	https://doi.org/10.1007/s11356-023-31143-x



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5	Theoretical investigation on humidification–dehumidification desalination employing flat-plate solar water collector	J.S. Shaikh	J. Therm. Anal. Calorim.	2023	https://doi.org/10.1007/s10973-023-12478-6 .
6	Performance investigation of a multi-stage bubble column humidifier for air humidification	J.S. Shaikh	Arab. J. Sci. Eng.	2023	https://doi.org/10.1007/s13369-023-08542-w .
7	Performance analysis of photovoltaic panel using machine learning method	Mr. Ganesh Wahile and Dr. Uday V. Aswalekar	Indonesian Journal of Electrical Engineering and Computer Science 34(1), pp. 19–30	2024	10.11591/ijeecs.v34.i1.pp19-30
8	Evacuated Tube Solar Collector Performance with Combined Effect of Triple Integrated Helix and Thermal Energy Storage	Mr. Vinay D. Patel, Dr. Ashish J. Chaudhari	Lecture Notes in Mechanical Engineering (Springer)	2023	https://doi.org/10.1007/978-981-19-3498-8_16
9	Effect of molybdenum desulfide and Bronze on Tribological Behaviours of Polytetrafluoroethylene Composites	Dr. Uday V. Aswalekar	Materials Today: Proceeding	2023	https://www.sciencedirect.com/science/article/abs/pii/S2214785323050265