

Faculty Publications 2023-24

1. Tool Conditioning Monitoring Techniques in Micro milling: A Review Avinash H Kamble, Dr R S Pawade and Dr S S Metan, 9th International & 30th All India Manufacturing Technology, Design & Research Conference, AIMTDR 2023, 305.
2. Nitinchand Patil, Viraj Jadhav & Rajesh Adam, "3D Modelling of Nylon Particle Arresting system to mitigate indoor air pollution", International Research Journal of Engineering and Technology, Vol:10:Issue:03, March 2024.
3. C.V. Papade "Performance improvement of circular parabolic concentrating solar cooker using nano-mixed binary salt phase change material", Journal of Enhanced Heat Transfer; Volume 31 Issue 01, 2024.
(<https://www.dl.begellhouse.com/journals/4c8f5faa331b09ea,63badacd2ad646f8,596fef2e67a8cd80.html>)
4. C.V. Papade; Shridhar S. Kulkarni, "Design and Analysis of Iot-Based Two-seater Solar Boat", International Journal of Engineering Applied Sciences and Technology, Vol. 8, Issue 01, ISSN No. 2455-2143, Pages 237-248 2023.
5. C.V. Papade, G.N.Kadam, "A Review Paper on CFD Analysis of Solar Dehydration System", IJIRAE :: International Journal of Innovative Research in Advanced Engineering ISSN: 2349-2163, Volume 11, Issue 07, July 2024
6. The performance and emission traits of a CI DI engine employing mixtures of biodiesel derived from waste cooking oil and conventional diesel fuel, 1 T.P. Belle, D. D. Bhoge, 3 S. S. Kale, IJSRD, Vol.2, Issue 1, Mar 2024
7. Prof. M. B. Awate Published paper on "Design and Fabrication of Engine Operated Seed Spreading Machine in national conference on recent trends in Engineering & Technology" on 25th April 2024.
8. Prof. B. R. Birajdar Published paper on Design and Fabrication of Engine Operated Seed Spreading Machine in national conference on recent trends in Engineering & Technology. On 25th April 2024.
9. Dr. A. B. Magar Published "Thermo-mechanical fracture analysis of porous functionally graded cracked plate using XFEM," Mechanics Based Design of Structures and Machines, Taylor and Francis 1-20.
<https://doi.org/10.1080/15397734.2024.2312175>

10. Prof. A.H. Kamble Published “Tool Condition Monitoring Techniques in Micromilling: A Review” in AIMTDR-2023 at IIT Varanasi. Paper will be published in Springer Book.
11. Prof. A.H. Kamble A Text Book of Energy and Environmental Engineering published on Amazon Kindle (ISBN - 9789334088656).
12. Prof. K. A. Shaikh published Performance Evaluation of Compact Heat Exchanger in IEEE (Scopus) Microstructural characterization of SiC reinforced Ti–6Al–4V metal matrix composites fabricated through powder metallurgy route in Materials Physics and Mechanics. 2023;51(3): 29-37(Scopus)
13. Dr. M. B. Kulkarni published : ‘Role of visual examination and microstructure examination in development of Al-Si Alloy Foam’. *Journal of Integrated Science and Technology*, 2024, 12(1), 720. (Co-Author no. 3)