

## Faculty Publications 2021-22

In the academic year, 2021-22, total 10 papers were published from Mechanical Engineering Department faculty members.

1. Shrinivas S. Metan, Miss Pallavi Solapure, Shrishti Kumbar, Vaibhav Tati, Yuvraj Pasure, "Comparative Study of Aircraft Wing Orientation", International Journal of Engineering Research and Application, ISSN: 22489622, Volume 12, Issue 04, June 2022, pp 53-62.
2. Dr. Basgonda Sonage, Deepak Bhoge, "Heat transfer and Pressure Drop Study in Transition Regime for ZnO-H<sub>2</sub>O nano-fluid Synthesized by Green Route", Journal of Emerging Technologies and Innovative Research, 9(5), 2022, PP 72-79. (ISSN-2349-5162).
3. Anandrao Kashid, Swapnil Bharale, Muskan Shaikh, Ishwar Konda, Bhavana Yangandul, Balaji Balwatkar, "Portable Surface Grinding Machine Attachment on Lathe Machine" in "International Research Journal of Engineering and Technology (IRJET) e ISSN:2395-0056, p-ISSN:2395-0072, Volume 9, Issue 1, January 2022 "
4. C.V. Papade "Analysis of Solar Dryer Using HTML", Journal of Emerging Technologies and Innovative Research, Volume 9 Issue 03, March 2022.
5. C.V. Papade, "Design and Analysis of Solar Operated Solar Panel Laminating Machine", IPASJ International Journal of Mechanical Engineering (IJME) Volume 9, Issue 9, pp.08-14, September 2021 (Thomson Reuters Indexed)
6. Aditya Dhobale, Hardik Madda, Aviraj Kadam, "Challenges Faced While Designing Body in White", International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429 Volume 9 Issue IX Sep 2021, pp 49-56.
7. H. Fayaz, Asif Afzal, A. D. Mohammed Samee Manzoore Elahi M. Soudagar Naveed kram, M. A. Mujtaba, R. D. Jilte . Md. Tariqul Islam. Umit Agbulut, C. Ahamed Saleel, Optimization of Thermal and Structural Design in Lithium-Ion Batteries to Obtain Energy Efficient Battery Thermal Management System (BTMS): A Critical Review, Archives of Computational Methods in Engineering <https://doi.org/10.1007/s11831-021-09571-0> , 2021, (Springer)
8. Asif Afzal, A.D. Mohammed Samee, R.D. Jilte b, Md. Tariqul Islam, A. Muthu Manokar, Kaladgi Abdul Razak, Battery Thermal Management: An optimization study of parallelized conjugate numerical analysis using Cuckoo search and Artificial bee colony algorithm, International Journal of Heat and Mass Transfer, 166, 2021, 120798. (Elsevier).
9. Lal A., Magar A., Gamit D., Probabilistic Progressive Failure of Multiwall Carbon Nanotube-Reinforced Composite Plate under Transverse Patch Loading, International Journal of Applied Mechanics <https://doi.org/10.1142/S1758825122500612> (SCI).

10. Prof. B. R. Birajdar “Development of Low-Cost Weedicides Application Module” 2<sup>nd</sup>  
International Conference on Advances in Engineering Science and Technology (ICAEST  
2022) in association with institute of Scholars