

## Faculty Publications 2022-23

1. Dr. S.S. Metan Publication in UGC/ AICTE approved Journals, Web of Science indexed Journals Work is in Progress on “Review of Tool Condition Monitoring Techniques in Micro milling” Journal Paper. Work is in Progress on “Solar Operated Community Based Water Salination/Purification for Rural and Untraced Areas” Journal Paper.
2. Dr. Nitinchand. R. Patil, Mr. Pavan G. Palli, Mr. Girish A. Jangam, “Design & Development of Filterless Air Purifier and Humidifier” International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 09 Issue: 09 | Sep 2022 www.irjet.net p-ISSN: 2395-0072
3. Prof. S. S. Kale Published Paper in Springer Nature Techno-Societal 2022: 4th International Conference on a. Advanced Technologies for Societal Applications titled “Improving Conversion Efficiency of Solar Panel by Cooling System” Scopus indexed.
4. Prof. S. S. Kale Published Paper in Springer Nature Techno-Societal 2022: 4th International Conference on Advanced Technologies for Societal Applications titled “Heat Transfer Augmentation in Forced Convection with Regularly Spaced Inserts– A Review.” Scopus indexed.
5. Prof. S. S. Kale Published Paper in Springer Nature Techno-Societal 2022: 4th International Conference on Advanced Technologies for Societal Applications titled “Energy Generation System through Solar and fast moving Vehicles.” Scopus indexed.
6. Prof. S. S. Kale Published Paper in “International Journal of Scientific Research in Engineering and Management (IJSREM) on Volume 07 Issue 06, June, 2023 titled “Performance Evaluation of Domestic Solar Dryer using Force Convection” Google Scholar.
7. Papade, C. V. Binary salt phase change material for concentrated solar cooker: storage and usages, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol.44, pp.6698-6708, Aug. 2022.[<https://www.tandfonline.com/doi/abs/10.1080/15567036.2022.2096724>]
8. Papade C.V., Characterization of Nano-Mixed PCM for Solar Cooker Application International Conference (ICRAMM 2022-23) at Velala COET, Erode, Tamil Nadu

9. Papade C.V., Nano-mixed phase change material for solar cooker application; Book Chapter-Energy Storage Systems Optimization and Applications, Springer; 978-981-19-4502-1, Oct. 2022 [[https://link.springer.com/chapter/10.1007/978-981-19-4502-1\\_8](https://link.springer.com/chapter/10.1007/978-981-19-4502-1_8)]
10. Papade, C. V. Characterization of Nano-Mixed PCM for Solar Cooker Application., Elsevier Materials Today proceedings., March 2023. [<https://doi.org/10.1016/j.matpr.2023.03.415>]
11. C.V.Papade, A.B.Shirsikar “Experimental Analysis of Solar Operated Automatic Mawa Making Machine”, International Journal of Innovative Research in Advanced Engineering (IJIRAE), Vol.9, Issue.08, August 2022 (Elsevier Indexed )
12. C.V.Papade ; Tanveer T. Shaikh.Design and Analysis of an Elliptical Bicycle for Outdoor Exercise; International Journal of Latest Research in Engineering and Technology Vol.9(1).pp.34-43 April-2023
13. C.V.Papade, a review on solar operated milk pasteurization system; International Research Journal of Engineering and Technology (IRJET);Vol.9;12;662-670;Dec.2022.
14. An experimental investigation of different cooling pad materials of desert cooling pad material of desert coolers for less consumption of water and effective cooling” A.H. Kambale, Y. B. Patil, D. D. Bhoge, IJREAMV ISSN 2454-9150 Vol-08, Issue-10, Jan 2023
15. Prof. B. R. Birajdar Published paper on “***Energy Generation System Through Solar And Fast Moving Vehicles***” in 4th International Conference on “Advanced Technologies for Societal Applications”.
16. Prof. B. R. Birajdar Published paper on “***A review on epoxy polymer matrix composite, its mechanical and thermal properties***” in 4th International Conference on “Advanced Technologies for Societal Applications”.
17. Prof. B. R. Birajdar Published paper on “***Improving Conversion Efficiency of Solar Panel by Cooling System***” in 4th International Conference on “Advanced Technologies for Societal Applications”.
18. Prof. A. S. Dhobale “Engineering Graphics” under Technical Book Translation initiative by AICTE and Government of India and the book is published by Khanna Publications New Delhi ISBN: 978-93-5538-004-3

Published by Hon. Minister Higher and Technical Education Mr. Chandrakant Dada Patil and Mr. Subhash Sarkar Minister Education Govt. of India at Mumbai University Kalina Campus Mumbai (14th Nov. 2022)

19. Prof. A. S. Dhobale Selected as translator for two more books of AICTE TBW and TBT project i.e., Metrology and Measurements (Diploma) Materials Engineering (UG)
20. Prof. A.H. Kamble “An experimental Investigation of Different Cooling Pad Materials of Desert Coolers for Less Consumption of Water and Effective Cooling” International Journal for Research in Engineering Application & Management (IJREAM), ISSN : 2454-9150 Vol-08, Issue-10, Jan 2023, DOI : 10.35291/2454-9150.2023.0010
21. Prof. K. A. Shaikh Performance Evaluation of domestic solar drier using forced convection. Journal: International Journal of Scientific Research in Engineering and Management, Volume 7, Issue 6.