

MKSSS'S Cummins College of Engineering for Women, Pune
Department of Mechanical Engineering

Academic Year of Publications: 2022-23 – Journal

| Sr. No. | Author [Faculty] Name | Paper Title with DOI Link | Name of Journal | Month Yr Volume, Issue No., & Page no. | ISSN No. | Indexing |
|---------|--|--|--|--|-----------------|----------|
| 1 | Beena Limkar, Vinay Vaidya, Gautam Chandekar | Explicit Novel Nonlinear Regression Method to Find Radial Natural Frequencies of Hemispherical Resonator https://doi.org/10.1007/s42417-022-00712-8 | Journal of Vibration Engineering & Technologies | 24 July 2022 | | SCIE |
| 2 | Anand Bewoor, Himani Kadam, Rujuta Agavekar, Poonam Bhore | Effective Use of Various Active Learning Techniques for the Course Automation and Control Engineering | Journal of Engineering Education Transformations | December 2022, Volume No 36, Special issue 1, page no. 8-17 | eISSN 2394-1707 | Scopus |
| 3 | Mrunal Moharir, Rujuta Agavekar, Poonam Bhore, Himani Kadam and Anand Bewoor | Effective Implementation of Peer Review as an Active Learning Technique to Attain Course Outcome: A Case Study | Journal of Engineering Education Transformations | December 2022, Volume No 36, Special issue 1, page no. 63-72 | eISSN 2394-1708 | Scopus |
| 4 | Shinde AS , Siva I, Munde Y , Hameed Sultan MT, Hua LS, Shahar FS | Numerical Modelling of Drilling of Fiber Reinforced Polymer Matrix Composite: A Review https://doi.org/10.1016/j.jmrt.2022.08.063 | Journal of Material Research and Technology | October 2022, Volume 20, Page no. 3561-3578 | 2214-0697 | SCI |
| 5 | Shinde A , Siva I, Munde Y , Sankar I, Hameed Sultan MT, Mustapha F, | The impacts of graphene dosage on the friction and wear performance of a graphene-reinforced silicone rubber nano composite https://doi.org/10.1016/j.jmrt.2022.10.007 | Journal of Material Research and Technology | October 2022, Volume 21, Page no. 1570-1580 | 2214-0697 | SCI |
| 6 | Pavan R, Prashant A, Ameen T, Yashwant M, Avinash S , Irulappasamy S. | Numerical simulation of low-velocity impact test on PALF/Epoxy bio-composite laminates http://dx.doi.org/10.18149/MPM.5012022_10 | Materials Physics and Mechanics | November 2022, Volume 50, Pages 15 | 1005-2730 | Scopus |
| 7 | Avinash Shinde , I. Siva, Yashwant Munde , Irulappasamy Sankar, and D. Sivakumar | Assessment of friction and wear as a function of the pressure applied to the CNT-filled silicone rubber nano composite pins https://doi.org/10.1504/IJSURFSE.2023.128885 | Int. J. Surface Science and Engineering | January 2023, Volume 17, Page no. 58-71 | 1749-7868 | SCI |
| 8 | Naidu, M.; Bhosale, A.; Munde, Y. ; Salunkhe, S.; Hussein, H.M.A. | Wear and Friction Analysis of Brake Pad Material Using Natural Hemp Fibers. https://doi.org/10.3390/polym15010188 | Polymers | December 2022 Vol 15 No 1 PP 181 | 2073-4360 | SCI |

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|----|--|---|--|---|-------------|--------|
| 9 | S. Prabhune, Y. Munde , A. Shinde , and I. Siva, | Appraising the Acoustic Performance and Related Factors of Natural Fiber: A Review doi: 10.1080/15440478.2022.2099500. | Journal of Natural Fibers, | Aug. 2022, pp. 1–20 | 1544-0478 | SCIE |
| 10 | Parag Chaware, Rujuta Agavekar | BodhiTree- An Effective Learning Management System for Implementing Active Learning Strategies | Journal of Engineering Education Transformations | December 2022, Volume: 36, Issue: Special Issue 1, Pages: 43-50 | 2394 - 1707 | Scopus |
| 11 | Rujuta Agavekar , Poonam Bhore , Himani Kadam , Mrunal Moharir | Effective Application of One Minute Paper and Muddiest Point Technique to Enhance Students' Active Engagement: A Case Study DOI: 10.16920/jeet/2023/v36i3/23093 | Journal of Engineering Education Transformations | Year: 2023, Volume: 36, Issue: 3, Pages: 8-17 | 2394 - 1707 | Scopus |
| 12 | Avinash Shinde , I. Siva, Yashwant Munde , Irulappasamy Sankar, and D. Sivakumar | Appraising the dielectric properties and the effectiveness of electromagnetic shielding of graphene reinforced silicone rubber nanocomposite , doi: https://doi.org/10.1515/ntrev-2022-0558 | Nanotechnology Reviews | June 2023, Volume 12, Page no. 1 | 2191-9097 | SCI |
| 13 | L. V. Awadhani , Anand Bewoor | Behavior of Composite Bolted Joint Under Tension-Shear and Compression-Shear Load Cases | International Review of Mechanical Engineering | January 2023, Vol. 17, N. 1, pp. 39-47 | 1970 - 8734 | SCI |
| 14 | Khare Achyut, Bewoor Anand , Kulkarni Vinay | A New Approach to Artefact Material Selection for Interim Checks of CMMs that uses MADM Tools https://doi.org/10.1007/s12647-022-00603-z | MAPAN | October 2022, Vol. 38 (1), 193-202 | 0970-3950 | SCI |

Academic Year of Publications: 2022-23 – Book Chapter

| Sr. No. | Faculty Author | Chapter title | Book title | Month Yr | Publisher | ISBN no. |
|---------|----------------|---------------|------------|----------|-----------|----------|
| 1 | NIL | NIL | NIL | NIL | NIL | NIL |

Academic Year of Publications: 2022-23 – Conferences Paper

| Sr. No. | Author [Faculty] Name | Paper Title | Name of Conference | Volume, Issue No., (Month/Yr.) & Page no. | ISSN/ISBN No. | Indexing |
|---------|--|--|---|---|---------------|----------|
| 1 | E. Dias, H. Chalse, S. Mutha, Y. Munde , N. Ambhore, A Kulkarni, A Mache, | Review on synthetic/natural fibers polymer composite filled with nanoclay and their mechanical performance https://doi.org/10.1016/j.matpr.2022.12.059 | Materials Today: Proceedings, Dec 2022 International Conference on “Innovations in Mechanical and Civil Engineering”. | 27 December 2022 | 2214-7853 | SCOPUS |

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|---|--|---|--|----------------|--|--|
| 2 | Shridhar Kedar, Himani Kadam | Renewable energy sources: new pedagogy technique research based application- oriented case study presentation | MATHED-2022, International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering Conference - NIT Hamirpur | 15-17 Feb.2023 | | |
| 3 | Deepak Watvisave, Shridhar Kedar, Pravin Mane | Theoretical analysis of water consumption pattern in Pune city, India | MATHED-2022, International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering Conference - NIT Hamirpur | 15-17 Feb.2023 | | |
| 4 | Amit D.Kachare, Sumedh S. Ingle, Shridhar A.Kedar | Corrosion Resistant Heat Exchanger for Distillation Plant : A Review | 1st International Conference on SCI/TECH and Engineering (ICSTE-2023) - NIT Manipur | 17-18 Feb.2023 | | |
| 5 | Kolhalkar Nilesh, Jagadale Dhanshri | Standardization – A step towards standard parts classification and maintenance of product and process | MATHED-2022, International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering Conference - NIT Hamirpur | 15-17 Feb.2023 | | |
| 6 | Nilesh Kolhalkar, Anvi Shah, Janvi Shinde, Neha Kulkarni,Pragalbha Kurane | A comprehensive review on state-of-the-art technologies for welding of Lithium- ion battery module | MATHED-2022, International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering Conference - NIT Hamirpur | 15-17 Feb.2023 | | |
| 7 | Nilesh Kolhalkar, Rohini Sangle, Shreya Vijith, Prajakta Joshi,Shavari Kulkarni | Development of Gripper and Setup of Selective Spraying for Precision Agriculture | MATHED-2022, International Conference on Emerging Aspects of Manufacturing, Thermal and Design Engineering Conference - NIT Hamirpur | 15-17 Feb.2023 | | |