# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

## An AUTONOMOUS Institution

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## DEPARTMENT OF MECHANICAL ENGINEERING

### List of Journal Articles

AY:2024-25

Date: 12 – 11- 2024

| S. No | Title of the paper | Name of the faculty | Name of journal | ISSN number | Volume | SCI/Scopus/WoS/UGC Care Index | Journal paper link |
|---|---|---|---|---|---|---|---|
| 1 | Optimizing Data Centre Energy Efficiency with Dynamic Resource Allocation and Intelligent Cooling Management through Machine Learning | Dr Marxim Rahula Bharathi B | Journal of Electrical Systems | 11125209 | 20 | WoS | https://journal.esrgroups.org/jes |
| 2 | A Prediction Model Based on Simulation (FEA) and Response Surface Methodology (RSM) for Sintered Al–TiB2 Preforms | Dr.M.D. Ahasan | Transactions of the Indian Institute of Metals | 0975-1645 | 77 | SCI | https://link.springer.com/article/10.1007/s12666-024-03364-2 |
| 3 | Utilizing multilayer perceptron for machine learning diagnosis in phase change material-based thermal management systems | Abdul Arif | HEAT TRANSFER | 26884534, 26884542 | | Scopus | https://onlinelibrary.wiley.com/share/author/NEV7BXKTDNRHFITHS4H6?target=10.1002/htj.23163 |

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| 4 | Fluid Flow and Thermal Characteristics of an Obtuse-Angled Trapezoidal Solar Air Heater Channel With Corner Modifications and Ribs on Absorber Plates | Rambabu Dara | Journal of Thermal Science and Engineering Applications | 19485085, 19485093 | 16(10) | SCI | https://asmedigitalcollection.asme.org/thermalscienceapplication/article-abstract/16/10/101008/1201964/Fluid-Flow-and-Thermal-Characteristics-of-an?redirectedFrom=fulltext |
| 5 | Effect of Graphite Nanoadditives on the Behavior of a Diesel Engine Fueled with Pyrolysis Fuel Recovered from Used Plastics | K. Vijetha | ACS Omega | 24701343 | 9, 38 | SCIE | https://pubs.acs.org/doi/epdf/10.1021/acsomega.4c03715?ref=article_openPDF |
| 6 | Optimizing CNC Turning process parameters through Machine Learning modelling | DVSSSV Prasad | Library Progress International | 2320-317X | 44 | Scopus | https://bpasjournals.com/library-science/index.php/journal/article/view/1376 |
| 7 | Fabrication of microchannel heat sink using additive manufacturing technology: A review | K Vijetha | Part E: JPME | | | SCIE | https://journals.sagepub.com/doi/full/10.1177/09544089241290631 |

**R&D Coordinator**

**HoD - ME**