



SETHU INSTITUTE OF TECHNOLOGY
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LIST OF PUBLICATIONS

Faculty Journal Details 2023-2024

1. Ganesan Karupiah, Thirukumaran Manoharan, **Shanawaz Abdul Kadar Mohamed**, Kailasanathan Chidambara Kuttalam, Kumarasamy Yadhava Perumal 'Microstructure and physical characteristics of the interleaved modified non-woven Cocos nucifera composite: the impact of egg shell and MMT K10, Biomass Conversion and Biorefinery, (June 2024) Impact Factor 3.5, <https://doi.org/10.1007/s13399-024-05814-9>
2. Prathap Singh S, Suresh Kumar S, Elil Raja D, Sonar T, Ivanov M, Velmurugan G, **Perumal A.** 'Machinability studies on AA-SiC-TiO₂ based heat treated HMMC with negative polarity electrode using EDM', International Journal on Interactive Design and Manufacturing, Volume 18, pages 5165–5176, (Nov 2023) Impact Factor 2.1 <https://doi.org/10.1007/s12008-023-01605-0>
3. Sathiyaseelan M, **Kannadhasan V**, Tamilpriyan S, Balaji K, Saranya V. 'Cultivation potential of oyster mushroom (Pleurotus ostreatus) using agricultural wastes as substrates' Vol. 81 No. 02 (June 2024): Indian Journal of Horticulture , Impact Factor 0.16. <https://doi.org/10.58993/ijh/2024.81.2.12>
4. Calaph Y.C, **Shanawaz A.M**, SankarGanesh P.S.P, Kavitha S, Gnanakumar N, Arunprasath K. 'Optimization study of hybrid aluminium metal matrix composite using proposed Taguchi method, Interactions, Volume 245, article number 95, (May 2024), Interactions, <https://doi.org/10.1007/s10751-024-01923-z>
5. Senthilkumar T.S, **Muralikannan R**, Sridharan M, Kumar S.S.; Rathinavel S, Kumar V.V. 'AA4032-TiC-h-BN-related composites: a machine learning model-based experimental study with performance prediction, Journal of the Brazilian Society of Mechanical Sciences and

Engineering, Volume 46, article number 30, (Dec 2023) Impact Factor 1.8
<https://doi.org/10.1007/s40430-023-04615-x>

6. **Kannadhasan V**,Jani S.P, Kumar P.S, Prasad K. ‘Experimental research and CFD analysis on engine fins with varied geometries’ *Interactions*, Volume 245, article number 260, (Aug 2024), <https://doi.org/10.1007/s10751-024-02101-x>
7. **Venkatesan G**, Suresh P.K, Saravanan V, Manibalan S. ‘Anaesthesia management for patients with cardiomyopathies: Best practices, current challenges, optimization, and future directions’
8. Kumar S.S, **Vignesh V**, Prasad V.V.S.H, Sunil B.D.Y, Srinivas R, Sanjay M.R, Siengchin S. ‘Static and dynamic mechanical analysis of hybrid natural fibre composites for engineering applications,Biomass Conversion and Biorefinery’ Volume 14, pages 14889–14901, (2024), Impact Factor 3.5. <https://doi.org/10.1007/s13399-022-03689-2>
9. **Balaji T.P**, Arunachalam S, Jawaharlal N.K, Rajan Balasundaram M.C. ‘Effect of various chemical treatments on physicochemical and thermal properties of erythrina variegata fibers: application in epoxy,Cellulose Chemistry And Technology’ 58 (3-4), 349-360 (April 2024), Impact Factor 1.022.
10. Y.Carlin Calaph, P.S.P.Sankar Ganesh, **A.M.Shanawaz**, S.Kavitha, C.Muthusamy, K.Arunprasath, ‘Analysing the impact of cutting parameters of CNC machining on EN8 steel with high strength carbide tool tip insert’ ‘Interactions Vol. 245 Article 74 April 2024, Impact Factor 2.022.
11. Thirukumaran Manoharan, **Shanawaz Abdul Kadar Mohamed**, Kalimuthu Muthuvel, Sivasamy, Paulsamy, Muthiah Athenamilagi & Pitchipoo Pandian,’ Subsequent Welding of mild steel in the pipeline industry: mechanical, wear and microstructure characteristics’ *Welding Internationals*, Taylor and Francis, Volume 38, Number 1, pp. 57-66(10) Nov 2023, Impact Factor 2.022.