SETHU INSTITUTE OF TECHNOLOGY
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Department of Civil Engineering

Journal Publications

Academic Year 2025 – 2026

1. **Dr.A.M.Arun Mohan** published annexure Q1 journal with impact factor 3.3 "Enhancing ultra-high performance concrete (UHPC) performance with strength prediction using LNN-MAO approach" in international journal of pavement engineering ,Volume 26, Issue 1 on June 2025
2. **Dr.A.M.Arun Mohan** published annexure paper Q1 Journal with impact factor 3.1" Performance Analysis of NaOH-Treated Randomly Oriented Bauhinia Purpurea L Fiber/Epoxy (BPFE) Composites: Mechanical and Free Vibration Studies on Journal of natural fibers,Volume 22, August 2025
3. **Dr.A.M.Arun Mohan** published a annexure paper on journal Materia Rio de Jainero , Real-time performance analysis of nano-enhanced concrete for high-strength and crack-resistant infrastructure applications,volume 30. August 2025
4. **Dr.A.M.Arun Mohan** published an annexure Journal Materia Rio de Jainero on Smart self-healing concrete infused with nanomaterials for sustainable construction and real-time structural monitoring, volume 30. September 2025.
5. **Dr.A.M.Arun Mohan** published Development of Hybrid Fiber-reinforced vinyl ester composites for Civil and automotive applications, Scientific Reports, 2025, https://doi.org/10.1038/s41598-025-21314-w

6. **Dr.A.M.Arun Mohan** published Evaluating the Structural Performance of Axially-Loaded Stainless Steel Circular Tubular Columns with Ultra-High Performance Concrete Using GTO-APCNN Technique, Wiley Structural Concrete, 2025, https://doi.org/10.1002/suco.70373
7. **Dr.A.M.Arun Mohan** published Maximizing Electric Vehicle Battery Efficiency: A Multi-Model Machine Learning Approach for RUL Prediction of NMC-LCO Batteries, Metallurgical and Materials Engineering, 2025, https://www.metall-mater-eng.com/index.php/home/article/view/1239
8. **Dr.A.M.Arun Mohan** published Predictive Modeling of Patient Outcomes Using Machine Learning Algorithms in Health Informatics, The Bio Scan, 2025, **https://doi.org/10.63001/tbs.2025.v20.i01.pp516-522**
9. **Dr.A.M.Arun mohan** published Integrating Argonomic Method and Yield Crop Modelling with ML Baseline, Communications on Applied Nonlinear Analysis, 2025, **https://internationalpubls.com/index.php/cana/article/view/3141**
10. **Dr.A.M.Arun mohan**," has published Mechanical and thermal behaviour of waste spent coffee ground filler reinforced vinyl-ester composites for civil construction applications".Scientific Reports,Volume No 15,(2025). December 2025
11. **R.Logaraja, and Ms.P.Anitha** has published a research paper titled on "Investigation Of Thermal Storage Light Weight Concrete Using Phase Change Material" Revista Română de Materiale / Romanian Journal of Materials 2025, 55 (1), 63 – 78.

12. **Anitha P.** has published Experimental Investigation on the Thermal Performance of Wall Panels With Nano-Enhanced Phase Change Materials. The Structural Design of Tall and Special Buildings. 2025 Sep;34(13):e70074.
13. **Dr.M.Anandh Babu** published Sci paper Effect of Surfactants and Hybrid Filler on Microstructural and Mechanical Properties of Al7075/TiC/Graphene Alloy Composite via Additive Manufacturing on 25 August 2025.
14. **Dhavamanidoss Sakthidoss** published Scopus indexed journal "Environmentally Sustainable Self Compacting Geopolymer Concrete Rheological and Strength Properties Using Ground Granulated Blast Furnace Slag", J. Environ. Nanotechnology., Volume 14, No 3, pp. 676-684 October 2025
15. **Dhavamanidoss Sakthidoss** has published "Enhanced Mechanical and Microstructural Properties of Eco-friendly Cementitious Composites Reinforced with Treated Natural Fibers and Nano-graphene Oxide", J. Environ. Nanotechnol., Volume 14, No 4 (2025) pp. 271- 278. December 2025 (Scopus indexed)
16. **Mrs.S. Bharathi** has published Experimental Analysis Ofabrasion Resistance In Paver Blocks With Nano-Particle Additive, International Journal of Engineering Technology and Management Science, Issue: 2 Volume No.9 March - April – 2025, DOI:10.46647/ijetms.2025.v09i02.116 ISSN: 2581-4621.