

Publication in SCI/WOS Indexed Journals

- **B Sankar, D Rameshkumar, P Swaminathan and K Arunkumar**, "Flexural Toughness and Synergy Assessment of Pozzolan and Non-pozzolan Concrete Containing Steel Fibers With Varying Geometry", Iranian Journal of Science and Technology, Transactions of Civil Engineering, 2024, pp 1-17, Springer.
- **Sankar Boomibalan, Haytham F. Isleem, Packirisamy Swaminathan, Deivasigamani Rameshkumar, Arunkumar Kadarkarai**, Experimental investigations on mechanical performance, synergy assessment, and microstructure of pozzolan and non-pozzolan hybrid steel fiber reinforced concrete, Structural Concrete, 2024, Wiley.
- **B Sankar, D Anitha, K Arunkumar, D Rameshkumar, P Swaminathan**, Kuldeep K Saxena, PK Jisha, Hany Sayed Abdo, Ibrahim Alnaser, "A study on the mechanical performance, shrinkage and morphology of high-performance fiber reinforced concrete with varying SCMs and geometry of steel fibers", Case Studies in Construction Materials, Vol 21, 2024, Elsevier.
- **S Ponmalar, P Revathi, B Sankar**, George k George, "Valorization of plastic waste aggregate in concrete: A study on durability and microstructural properties", Global Nest Journal, 2024.
- **G Gautham Kishore Reddy, A Narender Reddy, B Sankar, P Narasimha Reddy**, "Assessment of Flexural Behavior and Numerical Simulation of UHPFRC Beams with Steel Fibers", Iranian Journal of Science and Technology, Transactions of Civil Engineering, 2025, Springer.
- **S Ponmalar, P Revathi, B Sankar**, "Influence of ultrafine slag and sulphate activation on the strength, durability and microstructural performance of high-volume fly ash concrete containing recycled plastic waste aggregate" Structural Concrete, 2025, Wiley.
- **Rayana Harika, Panugalla Rama Rao, Sankar Boomibalan, Arunkumar Kadarkarai, Rameshkumar Deivasigamani**, "Durability and microstructure of ternary binder geopolymer concrete: A comprehensive study" Research on Engineering Structures and Materials, 2025
- **Ponmalar, S., Revathi, P. & Sankar, B.** Engineering Performance of Recycled Aggregate Concrete Containing Plastic Waste Aggregate and Glass Cullet. Circular Economy and Sustainability (2025), Springer.
- **P Sivakumar, R Saravanane, S Mohan, B Sankar**, "Biochar as a catalyst for methane enhancement in anaerobic digester containing cow dung, food waste, and rice straw: An experimental and statistical study", Cleaner Waste Systems, 2025, Elsevier.
- **Simy Mary Kurian**, Enhanced Frost Self Organizing Map Segmentation Based Gradient Boost Classification for brain tumour Detection, July 2024 , ISSN 0033-2097 , <https://doi.org/10.15199/48.2024.07.49>
- **S.Padmalal & C.Sahaya Kingsly**, IPML-ANP: An integrated polynomial manifold learning model and anchor node placement for wireless sensor node localization, Peer-to-Peer Networking and Applications, Volume 18, article number 86, February(2025), <https://doi.org/10.1007/s12083-025-01908-x>
- **Neethu Maria John, Sruthy Emmanuel**; Exploring the impact of cloud and edge computing in education: Addressing challenges and unveiling opportunities, AIP Conf. Proc. 19 August 2024; 3149 (1): 140017. <https://doi.org/10.1063/5.0224670>
- **S.Padmalal**, Enhancing Sentiment Analysis in Social Media Texts Using Transformer-Based NLP Models, SSRG International Journal of Electrical and Electronics Engineering, Volume 11 Issue 8, 208-216 ,August 2024, ISSN: 2348-8379, <https://doi.org/10.14445/23488379/IJEEE-V11I8P118>
- **K.S. Bibin, K.E. Reby Roy, Bibin Prasad, J.S. Jayakumar, Sarath Raj** Analysis of free liquid surface deformation and thermal destratification in liquid storage tanks using OpenFOAM <https://doi.org/10.1016/j.est.2024.113848>
- **Abin Paul, M Sreerag, M Jishnu, Rajeshkumar Selvaraj, Manuel George & P Ashwath** Mechanical, Tribological and Vibrational Analysis of Al6061-Based Composites Reinforced with Aluminum Oxide and Silicon Carbide <https://doi.org/10.1007/s12666-025-03575-1>
- **A N Shankar, Manuel George, S M Murali Krishna, Ismail Kakaravada, Ajay K S Singholi, V V K Lakshmi, Mathews Chacko, Arun Kumar K, Prakhar Jindal* and Rajeshkumar Selvaraj*** Mechanical, tribological and modal characteristics of eco-friendly coir/sugarcane fillers reinforced polymer composites <https://iopscience.iop.org/article/10.1088/2053-1591/ad872e>