

FACULTY PUBLICATIONS (2025-2026)

SL. NO.	PUBLICATIONS
1	Jereena Jawahar has published a Journal paper entitled "Damage-triggered autonomous self-healing in sodium silicate microencapsulated ECC under alkaline, chloride and acidic exposure" in the journal Construction and Building Materials, Elsevier. The journal is indexed in the Science Citation Index Expanded (SCIE) and is ranked as a Q1 journal with an impact factor of 8.0. DOI: https://doi.org/10.1016/j.conbuildmat.2026.146296
2	Jereena Jawahar has published a Journal paper entitled "Synergistic Effects of Polymeric Fibers and Microcapsule Dosage on the Durability Characteristics of Engineered Cementitious Composites (ECC)" in the Iranian Journal of Science and Technology, Transactions of Civil Engineering (Springer Nature), Scopus indexed. DOI: https://doi.org/10.1007/s40996-026-02146-8
3	Ancy Mathew has published a paper titled "Seismic Performance Analysis of Multi-Storied Buildings with Shape Memory Alloy Base Isolators" in the proceedings of the International Conference on Structural Engineering and Construction Management (SECON 2025), Lecture Notes in Civil Engineering, vol 742. Springer, Cham. https://doi.org/10.1007/978-3-032-04178-4_49 . Scopus Indexed
4	Ancy Mathew has published a paper titled "Applicability of Scrap Tyre Pad Isolators for Masonry Structures: A Comparative Study on Unbonded and Bonded Isolators" in the Journal Innovative Infrastructure Solutions (Springer Nature), Volume 11, 315 (2026). https://doi.org/10.1007/s41062-026-02714-x ESCI, Scopus Q2
5	Dr. Rija Johny published a paper titled Estimation of Swelling Potential of Expansive Soils Using Artificial Neural Network, Proceedings of the Indian Geotechnical Conference (IGC 2024), Volume 8. IGC 2024. Lecture Notes in Civil Engineering, vol 704. Springer, Singapore. https://doi.org/10.1007/978-981-96-7783-2_16
6	Dr. Shaji M Jamal published a paper Taguchi-based multi-response statistical optimization and performance assessment of high-strength concrete incorporating weathered crystalline rock fine aggregate. Scientific Reports journal, Springer Nature, SCIE, IF 4.3 (5yrs), https://doi.org/10.1038/s41598-026-49546-4
7	Mr. Sandeep M S, Withik Pansuk, Panon Latcharote, Praveen nagarajan and Sudharshan N Raman (2025) - "Sustainable self-compacting steel-fibre rubcrete: mechanical response and deep beam behaviour", Journal of King Saud University – Engineering Sciences, https://doi.org/10.1007/s44444-025-00041-7
8	Mr. Sanoop Gireesh, B. Arathi, Rija Johny, and Sobha Cyrus (2025) - "Estimation of Swelling Potential of Expansive Soils Using Artificial Neural Network", Proceedings of the Indian Geotechnical Conference (IGS), Volume 8, Lecture Notes in Civil Engineering 704. https://doi.org/10.1007/978-981-96-7783-2_16
9	Mr. Sunith John David, Abdu Rahiman K U, Subha Vishnudas, (2025) Field-based assessment and multilinear modelling of infiltration dynamics across heterogeneous zones. Advances in Civil and Architectural Engineering, 2025, 16 (31), pp. 266-282. https://doi.org/10.13167/2025.31.16
10	Mr. S. J. David, Muthoot Institute of Technology and Science, Kochi, Kerala, India, "Application of Embedded Intelligence in Open channel Flow Using IoT Integration" Proceedings of SECON'25, Lecture Notes in Civil Engineering, Springer Cham. DOI - https://doi.org/10.1007/978-3-032-04178-4