



**KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(AUTONOMOUS)  
NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

**DEPARTMENT OF CIVIL ENGINEERING**

**ACADEMIC YEAR 2023-2024**

**FACULTY PUBLICATIONS - International / National Journals**

SL. NO	DETAILS
1	<b>Dr.P.Prabhu</b> , “Treated Sisal Fiber Made Epoxy Composite Hybridize with Silicon Carbide Nanoparticles: Characteristics Study” Journal of Polymer Research, ISSN: 1022-9760, Volume 31, Article Number 191, Page No 1-9, June 2024, DOI- <a href="https://doi.org/10.1007/s10965-024-04012-5">https://doi.org/10.1007/s10965-024-04012-5</a>
2	Prabhu P, Senthil Rajan M, <b>Karthick A</b> & Venkatesh R ‘Performance Evaluation and Chemical Oxygen Demand Removal of Tannery Wastewater Through the Aerobic–Anaerobic Route’ Environmental Monitoring and Assessment, Volume 196, Article Number 352, Page No 1 – 11, ISSN: 0167-6369/1573-2959, March 2024.DOI - <a href="https://doi.org/10.1007/s10661-024-12518-0">https://doi.org/10.1007/s10661-024-12518-0</a>
3	Yuvaraj K, Vidhya K, <b>Sakthivel M</b> & Ramkumar S, ‘Utilizing Binary Ternary Blended Metakaolin and Ground Pond Ash for Reduced Carbon Footprint Emissions and Improved Mechanical Properties in Concrete’ Revista Materia/ Materia-Rio De Janerio, Volume 29, N. 1, Page No 1-18, ISSN: 1517-7076, March 2024. DOI - <a href="https://doi.org/10.1590/1517-7076-RMAT-2023-0335">https://doi.org/10.1590/1517-7076-RMAT-2023-0335</a>
4	Aruna M, Ismail Hossain, Kaliappan S, Prabakaran S, Venkatesh R, <b>Prabhu P</b> , Manzoore Elahi, Soudagar M, Mohanavel V & Seikh A H ‘High Concentration Naoh Processing of Natural Fiber Explored Polypropylene Composite Featured with Mullite: Characteristics Investigation’ Journal of Polymer Research, Volume 31, Article Number 104, Page No 1 – 8, ISSN: 1022-9760/1572-8935, March 2024. DOI - <a href="https://doi.org/10.1007/s10965-024-03953-1">https://doi.org/10.1007/s10965-024-03953-1</a>
5	Kanaga Vijaya Karthikeyan M, Kamaraj L, <b>Kavipriya S</b> , Venkatesh R, Sadagopan D, Manzoore Elahi, Soudagar M, Sami Al Obaid, Sulaiman Ali Alharbi & Manickaraj P, ‘Investigation and Chemical Processing Effect of Sisal Fiber Epoxy Composite Characteristic Enhancement with NanoSic via Injection Mold’ The International Journal of Advanced Manufacturing Technology, ISSN: 0268-3768/1433-3015, March 2024. DOI - <a href="https://doi.org/10.1007/s00170-024-13516-9">https://doi.org/10.1007/s00170-024-13516-9</a>
6	Maguteeswaran R, Lakshmi Keshav, Sagai Francis Britto A & <b>Dhavashankaran D</b> ‘Investigation on Enhanced Concrete Performance through the Incorporation of Nano Materials and Natural Fibres’ Surface Review and Letters, ISSN: 1793-6667, January 2024.DOI - <a href="https://doi.org/10.1142/S0218625X24500884">https://doi.org/10.1142/S0218625X24500884</a>

7	Aruna M, Ismail Hossain, Kaliappan S, Prabakaran S, Venkatesh R, Manzoore Elahi Soundagar M, Mohanavel V, Seikh AH & <b>Prabhu P</b> , 'Barium Titanate Exposure on Metallographic and Mechanical Performance of Coir Fiber Made Low-Density Polyethylene Composite, International Journal of Applied Ceramic Technology, ISSN: 1744-7402, Page No 1-9, April 2024. DOI - <a href="https://doi.org/10.1111/ijac.14774">https://doi.org/10.1111/ijac.14774</a>
8	Subashree P, Sampathkumar V, <b>Gowtham S</b> , Abeer A.Alobaid & Ismail Warad, 'Unleashing the Potential of Ceramic Discards as a Green Marvel in Self-Compacting Concrete' Journal of Ceramic Processing Research, ISSN: 1229-9162, Volume 25, No. 2, Page No 220-227, April 2024. DOI - <a href="https://doi.org/10.36410/jcpr.2024.25.2.220">https://doi.org/10.36410/jcpr.2024.25.2.220</a>
9	Arumugam V, <b>Kavipriya S</b> , Gulshan Taj M & Periyasamy 'Numerical Simulation of Confinement Effect of CFRP and GFRP Strengthened Concrete Specimens' Revista Materia/ Materia-Rio De Janeiro, Volume 29, N. 2, Page No 1-10, ISSN: 1517-7076, April 2024. DOI - <a href="https://doi.org/10.1590/1517-7076-RMAT-2024-0010">https://doi.org/10.1590/1517-7076-RMAT-2024-0010</a>
10	Yuvaraj K, <b>Sakthivel M</b> , Dhivakar Karthick M, Pradeep T, Veerapathran M & <b>Gowtham S</b> , 'Mechanical Performance of Mono and Hybrid Synthetic Fibers Engineered Cementitious Composites with Silica Fume' Journal of Ceramic Processing Research, ISSN: 1229-9162, Volume 25, No. 2, Page No 254-260, April 2024. DOI - <a href="https://doi.org/10.36410/jcpr.2024.25.2.254">https://doi.org/10.36410/jcpr.2024.25.2.254</a>
11	<b>Saravanan R &amp; Sasivarman B</b> 'Evaluation of Continuous Flow Anaerobic Suspended Growth Reactor for Treating Paper and Pulp Effluent' Environment, Development and Sustainability, ISSN: 1573-2975, April 2024. DOI - <a href="https://doi.org/10.1007/s10668-024-04903-z">https://doi.org/10.1007/s10668-024-04903-z</a>
12	Arumugam V, <b>Sridhar N</b> , Venkatesan V & Yenigandla Naga M 'Assessing and Enhancing the Seismic Performance of Existing RCC Buildings' Revista Materia/ Materia-Rio De Janeiro, Volume 29, N. 2, Page No 1-10, ISSN: 1517-7076, April 2024. DOI - <a href="https://doi.org/10.1590/1517-7076-RMAT-2024-0025">https://doi.org/10.1590/1517-7076-RMAT-2024-0025</a>
13	Daniel Das A, Manivannan S, Venkatesh R & <b>Gowtham S</b> 'Effect of Tensile Strength on Friction Welding of Tube-to-Tube Plate Processed Samples: A Mechanical and Metallurgical Approach' Journal of Materials Engineering and Performance, ISSN: 1059-9495, August 2023. DOI - <a href="https://doi.org/10.1007/s11665-023-08626-6">https://doi.org/10.1007/s11665-023-08626-6</a>
14	<b>Prabhu P</b> , Vivek S, Priya V & Logesh N 'Spatio-temporal Analysis of Shoreline Changes and Future Forecast using Remote Sensing, GIS and Kalman Filter Model: A Case Study of Rio de Janeiro, Brazil' Journal of South American Earth Sciences, Volume 133, Page No 1 – 10, ISSN: 0895 - 9811, November 2023. DOI - <a href="https://doi.org/10.1016/j.jsames.2023.104701">https://doi.org/10.1016/j.jsames.2023.104701</a>
15	Srinivasan NP, Dinesh A, Nirmalkumar K, <b>Karthick A</b> & Mukesh P 'Economic

	Crisis Management in Construction Projects – A review, E3S Web of Conferences, Volume 399, Page No. 1-7, ISSN: 2267-1242, July 2023. DOI - <a href="https://doi.org/10.1051/e3sconf/202339903005">https://doi.org/10.1051/e3sconf/202339903005</a>
16	Arulpandian V, Parithiban V, <b>Sakthivel M</b> , Kannan S, Anto Sathish Kumar A & Danielraj S ‘An Experimental Investigation on Sustainable Concrete Blended with Fly-ash and Demolished Concrete Aggregate’ AIP Conference Proceedings, Volume 2831, Issue 1, Page No. 060003-1 - 060003-9, ISSN: 1551-7616, September 2023. DOI - <a href="https://doi.org/10.1063/5.0162847">https://doi.org/10.1063/5.0162847</a>