KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

DEPARTMENT OF SCIENCE AND HUMANITIES

FACULTY PUBLICATIONS - International / National Journals

S. No	DETAILS
	ACADEMIC YEAR 2025-2026
1.	V. Charles Vincent, P. Elaiyaraja, S. Senthil, **A. Antony Prabhu**, V. Ratchagar, G. Saravanan, T. Senthil Ganesh & S. Srinivasan, "Enhanced dielectric Stability and Electromagnetic shielding efficiency of CdO/Ceo2 nanocomposites for high-performance electronic applications" Journal of Materials science: Materials in Electronics, DOI :10.1007/s10854-025-15275-z, July 2025.
2.	V. Manikandan, U. Krishnamoorthy & **P. Thangamani**, "Influence of rGO/Cu-TiO2 Nanocomposite on Photo –Degradation Rose Bengal Dye Pollutant" In Strength of Materials, DOI :10.1007/s11223-025-00770-9, July 2025(SCI).
3.	Vagheesan Senthilkumar, **Kasilingam Balasubramanian**, Subramaniam Prabagaran, Tharmaraj Premkumar, Pichandi Chandrasekar, Venkatesh Rathinavelu, Mohanavel Vinayagam, Sami Al Obaid and Saleh Hussein Salmen," High performance poly ceramic hybrid composite featured with carbon fiber", Walter de Gruyter GmbH, Berlin/Boston, DOI: 10.1515/polyeng-2024-0269. July 2025(SCI).
4.	**V. Archana**. John Abel, S. Kalainathan, N. Senthilkumar, "Green-mediated synthesis of bixbyite α-Mn2O3 nanoparticles via Moringa oleifera: impact of calcination on properties and visible-light photocatalytic degradation of Eosin yellow and eriochrome black T dyes", Springer DOI: https://doi.org/ 10.1007/s00339-025-08790-7, August 2025(SCI)
5.	V. Priyadarshini, K. Tharini, G. Kalaimagal, A. Alvin Kalicharan, **B. Subhashini**, A. Rathinavelu, S. Mohan, "Green Engineered Silver (Ag NPs) Nanoparticles Enable for Thermal, Optical behavior an Catalytic Elimination of organic Pollutants", Results in Surfaces and Interfaces, DOI:10.1016/j.rsurfi.2025.100593,August 2025(SCI).
6.	Gunasekaran Manibalan, **Dharmalingam Krishnamoorthy**, Govindhasamy Murugadoss, Venkataraman Dharuman, Shaik Gouse Peera, "Sensitive and Selective Electrochemical Detection of Hydrogen Peroxide Using a Silver-Incorporated CeO2/Ag2O Nanocomposite", Biosensors, DOI:10.3390/ bios 15090617, September 2025(SCI).
7.	P. Sivaprakash, **A. Viji**, S. Krishnaveni, K. M. Kavya, Deokwoo Lee, and Ikhyun Kim " Comprehensive Computational Study of a Novel Chromene-Trione Derivative Bioagent: Integrated Molecular Docking, Dynamics, Topology, and Quantum Chemical Analysis", International Journal of Molecular Sciences, DOI: https://doi.org/10.3390/ijms2619966126/9661/(2025) (SCI).

8.	Sathiyamoorthy Margabandu, Felix Sahayaraj Arockiasamy, **R. Sathis Kumar**, Raghuram Pradhan, T. Nithyanandhan and T. S. Ajmal "Valorization and development of Caryota urens mat fiber and sterculia foetida fruit shells biocarbon vinyl ester composite", Polymer Bulletin DOI: https://doi.org/10.1007/s00289-026-06288-7, (2026) 83:219 (SCI).
9.	R. Pradheepa, I. Manimehan, N. Muruganantham, A. Rajesh, **A. Viji**, S. Manimaran and K. Ravichandran "Simultaneous incorporation of F- and Ce3+ ions into SnO2 lattice: A co-doping approach for enhanced photocatalytic dye detoxification", Materials Science and Engineering DOI: https://doi.org/10.1016/j.mseb.2025.118658, B 322 (2025) 118658 (SCI).
10.	S. Esakki Muthu, Kalaiselvan Ganesan, Jhelai Sahadevan, P. Sakthivel, **A. Viji**, P. Sivaprakash and Ikhyun Kim "Unveiling the Temperature-Dependent Magnetic and Magnetocaloric Properties in Mn-Doped LaCoO3", Journal of Superconductivity and Novel Magnetism DOI: https://doi.org/10.1007/s10948-025-07018-2 (2025) 38:177 (SCI).