



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

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PUBLICATIONS IN JOURNAL BY FACULTY

S. No.	Name of the Authors	Title of the Paper	Name of the Journal	Volume	Month & Year of Publication
1.	Umamaheswari K, Shanmugapriya J, Elamurugan P , Ramachandran A, Ishwarya S, Ganesan R, Vasuki S & Sivakumar R	Adaptive Facts Control for Voltage Instability Mitigation in Power Grids	International Journal of Environmental Sciences (Scopus)	Vol. 11 No. 6 (2025) ISSN: 2229-7359, DOI: https://doi.org/10.64252/ztcnk379	August 2025
2.	Elamurugan Periyasamy , Ragul S. Dinesh Kumar & Suhirdham K G	Compressed Sensing and Sparse Signal Recovery for IoT-Based Health Monitoring	Romanian Society of Legal Medicine (Q4, Scopus)	Vol. 33, Issue 3, Pp.230-234 ISSN 1844-8585, DOI: 10.4323/rjlm.2025.230	September 2025
3.	M. Vanitha, Nitin Kundlik Kamble, P. Vinayagam, T. Muthukumar , M. S. S. Sasikumar & S. Kumaran	Enhancing EDLC pseudocapacitive performance of flexible CeO ₂ electrode via design of Ni-doped CeO ₂ nanoparticles grafted @ chitosan biopolymer hybrid framework for supercapacitor applications	Journal of Nanoparticle Research (Q2, SCIE)	Volume :28, Article number: 85 ISSN: 1388-0764 / 1572-896X, DOI: https://doi.org/10.1007/s11468-025-03154-6	March 2026
4.	P. Elamurugan, K.G. Suhirdham, S. Ragul & M. Vinoth	Medico-Legal Analysis of Road Traffic Injury Victims: Patterns, Liability, And Prevention	Romanian Society of Legal Medicine (Q4, Scopus)	Volume 34, Issue 1, Pp.23-28 ISSN 1844-8585, DOI: 10.4323/rjlm.2026.23	March 2026

5.	T. Ashok R. Prabakaran, M. Saravanan & A.Sridevi	A Low-Power Double-Edge-Triggered Flip-Flop Architecture Employing Cascoded Pull-Up and Pull-Down Transistors	Journal of Nanoelectronics and Optoelectronics (Q4, SCIE)	Vol. 20, pp. 1104–1111, 2025 ISSN 1555-130X (Print); ISSN 1555-1318 (Online) DOI: https://doi.org/10.1166/jno.2025.3828	April 2026
6.	Elamurugan Periyasamy, Aravindhan P, Ajith M. Vinoth Murugan	Advanced Knee Movement Tracking Framework for Patient-Focused Rehabilitation	International Journal of Drug Delivery Technology (Scopus)	Volume 16 Issue 5, Pp No.984-990. ISSN: 0975 4415 IJDDT,Vol16,Issue5,Article94	May 2026
7.	Elamurugan Periyasamy	Simulation of a fluid catalytic cracking unit by using a linear algebraic controller	Revue Roumaine de Chimie (Q4, SCIE)	Volume 71 Issue (1–2), Pp.79–88 ISSN:0035-3930 Doi:10.33224/rrch.2026.71.1-2.09	May 2026
8.	Elamurugan Periyasamy, K. Vinoth Bresnav, D. Pushpalatha	Legal Implications of Functional Disability Evaluation Using Biomedical Technologies	Romanian Society of Legal Medicine (Q4, Scopus)	Volume 34, Issue 2, Pp.106-112 ISSN 1844-8585, DOI: 10.4323/rjlm.2026.106	June 2026

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