



KONGUNADU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

NAMAKKAL- TRICHY MAIN ROAD, THOTTIAM, TRICHY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY PUBLICATIONS - International / National Journals

S. No	DETAILS
ACADEMIC YEAR 2025-2026	
1.	P. Arul , K. Arulvendhan, R. Satheesh, S. Banumathi, 'Green production of n-type Zn _{1-x} In _x O 2D nanoflakes and the photo-electrical characteristics of p-Si/n-Zn _{1-x} In _x O heterojunction diodes', Optical and Quantum Electronics, November 2025, ISSN.No:0306-8919 Vol.57, Article.No.631, DoI: https://doi.org/10.1007/s11082-025-08550-0 , I.F:4, SCIE, Springer.
2.	Sampath Anbazhagan , Maria Kalavathy Gnanamani, U.Arun Kumar, Ngaira Mandela, 'Machine Learning -Enhanced High sensitivity hemoglobin detection using a Kretschmann-based SPR biosensor with Optimized Copper and silver layers', Chemical Engineering Journal, Chemical Engineering Journal, October 2025, ISSN:1385-8947, Vol.524, No.15, pp.169485, DoI: https://doi.org/10.1016/j.cej.2025.169485 , I.F:13.2, SCIE, Elsevier, Q1.
3.	Hanuumes, Arul Ponnusamy , Dhamodharan Selvaraj, Tanuja Koppa Shankaregowda, Venugopal Narasimhachar and Ananda Marilingappa Halasiddappa, 'Implementation of Fuzzy in DQ Control of PV based Inverter with Plug-in Electric Vehicles', International Journal of Applied Power Engineering (IJAPE), September 2025, ISSN: 2252-8792, Vol.14, No.3, pp.666-675, DOI: http://doi.org/10.11591/ijape.v14.i3.pp666-675 , I.F:1.55, Scopus, Q2.
4.	Ratchagaraja Dhairiyasamy, Shankar Rajukkannu , Deekshant Varshney and Subhav Singh 'Comparative Evaluation of Mono and Hybrid Nanofluids in Loop Heat Pipe-cooled Bifacial PV Systems under Simulated Irradiance Conditions', Applied Thermal Engineering, September 2025, ISSN:1359-4311, DoI: http://dx.doi.org/10.2139/ssrn.5280404 , I F:6.9, SCIE, Elsevier, Q1.
5.	Shankar Rajukannu , R.Dhairiyasamy, A.Althobaiti and S.Singh 'Electrochemical Synthesis and Characterization of redox-tunable organometallic complexes via controlled potential electrolysis,' Digest Journal of Nanomaterials and Biostructures, July 2025, ISSN:1842-3582, Vol.20, No.3, pp.737-751, DOI: https://doi.org/10.15251/DJNB.2025.203.737 , IF:1.3, SCIE, Q3.
6.	R.Hemalatha, K.Arunkumar, K.Karthik and D.M.Kalaiselvi 'Core-shell assembly of NiMoO ₄ @g-C ₃ N ₄ /RGO nanoarrays as for high-performance supercapacitors,' Journal of Materials Science: Materials in Electronics, July 2025, ISSN: 0957-4522, Vol.36, No.21, Article.No.1332, pp.1-15, DOI: https://link.springer.com/article/10.1007/s10854-025-15409-3 , IF:2.8, SCIE, Springer, Q2.
7.	Pierre Subesh, S.M.Kamali, V.Malathy, Shankar Rajukannu , Ratchagaraja Dhairiyasamy, Deekshant Varshney, Subhav Singh and Elangovan Murugesan, 'Impact of Energy Management Systems on the Efficiency of Electrical Testing Equipment in Automotive Research', Journal of Mines, Metals and Fuels, June 2025, ISSN:0022-2755, Vol.73, No.6, DOI: https://doi.org/10.18311/jmmf/2025/49009 , IF:0.2, Scopus, Q4.