

**RAMCO INSTITUTE OF TECHNOLOGY**  
**Department of Electrical and Electronics Engineering**  
**Journal Publications**  
**Academic Year 2023 – 2024**

1. **Arun Kumar Athiappan**, Manikandan Bairavan Veerayan & **Kannan Subramanian**, “Multi-Objective Based Generation Expansion Planning for Utility Power System of Tamil Nadu State Considering Recuperation of Older Power Plants”, Electric Power Components and Systems, June 08, 2023, <https://doi.org/10.1080/15325008.2023.2220317>. (SCI)
2. **A. Arun Kumar**, B.V. Manikandan S. Kannan and A. Bhuvanesh, “Recuperation based multi-objective generation expansion planning for a real-world power system”, Journal of Intelligent & Fuzzy Systems, DoI:10.3233/JIFS-232909, 1 Jan 2023, pp. 1-16 (SCI)
3. **Jeyanthi Sivasubramanian**, and Manikandan Bairavan Veerayan. “Performance Analysis of a Quasi-Z-Source Converter for Solar Photo Voltaic System Powered Water Pumping System.” Electric Power Components and Systems, Informa UK Limited, Aug. 2023, pp. 1–19. <https://doi.org/10.1080/15325008.2023.2239218>. (SCI)
4. **Vigneshwar, A.S.**, Shunmugalatha, A., Madhan, A. “Power Quality Enhancement in Hybrid Sustainable Energy Systems Grid-Connected Scheme by Modified Non-dominated Sorting Genetic Algorithm”, Journal of Electrical Engineering and Technology, DoI: 10.1007/s42835-023-01676-9, (December 2023) (SCI).
5. **Thangam E**, Manikandan B. V, **Kannan S** & Raja S. P, “Low-cost and flexible generation expansion planning with localization of power plants in a test bus system”, Journal of the Chinese Institute of Engineers, Vol:47, No.2, <https://doi.org/10.1080/02533839.2023.2298990> (January 2024) (SCI)
6. **Jeyanthi Sivasubramanian**, Manikandan Bairavan Veerayan, “ANN and ANFIS Based Control Approaches for Enhanced Performance of Solar PV Driven Water Pumping Systems Employing Quasi Z-Source Converter”, Journal of Electrical Engineering & Technology (January 2024). <https://doi.org/10.1007/s42835-023-01778-4>(SCI).
7. S.Amosedinakaran, M.Mano Raja Paul, **S.Kannan**, M.Geetha, P.Anitha, A.Bhuvanesh, “Performance analysis of battery E-vehicle system using open loop and closed loop application”, Measurement:Sensors(2024), doi: <https://doi.org/10.1016/j.measen.2023.100963>. (SCOPUS)

8. N. Hemalatha, S. Venkatesan, R. **Kannan**, S. Kannan, A. Bhuvanesh, A.S. Kamaraja, “Sensorless speed and position control of permanent magnet BLDC motor using particle swarm optimization and ANFIS”, Measurement: Sensors (2024), doi: <https://doi.org/10.1016/j.measen.2023.100960>. (**SCOPUS**)
9. Chithra, T. V., **Karthikeyan, K.**, Mansoor Hussain, D., & Muthukumaran, N. “Energy Aware Reliable Sleep Wakeup based Clustering Scheme in WSN”, IETE Journal of Research, 2024. P-ISSN: 0377-2063, E-ISSN: 0974-780X, (**SCI**)