

**Soumen pal**  
**Dept. of Electrical Engineering**

**Journal Publications**

- S. Pal, & P. Bera, Dynamic Economic and Emission dispatch considering load and renewable power uncertainty using Multi-Objective Slime Mould algorithm, *Electric Power Components and Systems*, Taylor & Francis. [Scopus & SCIE] **(Communicated)**.

**Conference Publications (Yet to be published)**

- [1]. S. Pal, S. Singha, A. Banik, A. Ghosh, and S. Ghosh, *Advancements and Challenges in Smart Grid Technology: A Comprehensive review*. International Conference on Engineering Design and Computing (ICEDC)-2025.
- [2]. S. Pal, A. Banik, S. Singha, A. Mondal, and S. Ghosh, *Empowering 6G Networks: Innovations & Advancements in Sustainable Energy Harvesting Technologies A Scientometric review*. International Conference on Engineering Design and Computing (ICEDC)-2025.
- [3]. S. Pal, S. Singha, P. Kumar Das, A. Ghosh, and A. Mondal, *Sustainable Power System Design: A review of green energy integration and load flow optimization methods*. International Conference on Engineering Design and Computing (ICEDC)-2025.
- [4]. S. Pal, S. Singha, P. Kumar Das, S. Ghosh, and A. Ghosh, *Artificial intelligence and Machine learning applications in smart Grids: a review*. International Conference on Engineering Design and Computing (ICEDC)-2025.
- [5]. S. Pal, S. Ghosh, S. Kumar Singha, A. Banik, and A. Mondal, *Transforming Energy Systems: A Comprehensive review of economic dispatch and load flow optimization in sustainable power networks*. International Conference on Engineering Design and Computing (ICEDC)-2025.
- [6]. S. Pal, A. Guria, S. Singha, and P. Kumar Das, *A comparative analysis of load forecasting techniques for modern power systems*. International Conference on Sustainable Research and Development (ICSRD)-2024.
- [7]. S. Pal, S. Singha, P. Kumar Das, and A. Kumar Guria, *A detailed survey on economic load dispatch challenges and optimization solutions*. International Conference on Sustainable Research and Development (ICSRD)-2024.
- [8]. S. Pal, A. Guria, S. Kumar Singha, and A. Kumar Banik, *A holistic review of electric vehicles and their role in smart grid evolution*. International Conference on Sustainable Research and Development (ICSRD)-2024.
- [9]. S. Pal, S. Singha, A. Kumar Banik, and A. Kumar Guria, *Electrifying India's future: The impact of EV penetration on revolutionizing the automobile sector*. International Conference on Sustainable Research and Development (ICSRD)-2024.
- [10]. S. Pal, S. Singha, A. Kumar Guria, J. Mahata, and A. Banik, *Survey of Economic Dispatch Strategies in Microgrid Energy Systems*. International Conference on Sustainable Research and Development (ICSRD)-2024.