

Name: Dr. Shilpam Malik

Designation: Assistant Professor

Qualification: Ph.D.

Phone: 7838889304

Email: malik.shilpam@msit.in

Date of Joining: 07th Jan; 2010

Nature of Association: Regular

Area of Interest: Renewable Energy Sources, Load frequency control, Electric Vehicles, Drive systems, Optimization Techniques.

Experience: 15+ Years

List of Papers Published

Journals

1. Malik S & Suhag S, "A Novel SSA Tuned PI-TDF Control Scheme for Mitigation of Frequency Excursions in Hybrid Power System", Smart Science, vol. 8, no. 4, pp no. 202-218, 2020.
2. Malik S and Suhag S, "Salp Swarm Algorithm tuned control scheme for mitigating frequency deviations in hybrid power system and comparative analysis", Journal of Computing and Digital Systems, vol. 10, no. 1, pp no. 585-595, 2021.
3. Malik S and Suhag S, "A Coordinated control strategy for frequency regulation in hybrid shipboard power system using Salp Swarm Algorithm tuned fractional controller", International Journal of Ambient Energy, vol. 43, no. 1, pp no. 5638- 5653, 2022.
4. Shilpam, "Assessment and control of photovoltaic storage system using DC/DC converter", Satyam journal, vol. no.9, pp no. 53-60, 2021. (Google Scholar)
5. Monu Malik, Rakhi Kamra, Annu Dagar, Shilpam Malik, "High Performance Standby Photovoltaic for LED Lights", Journal Advancement of Signal Processing and its Applications Volume 5, Issue 3 2022. (Google Scholar)
6. Shilpam Malik, "Wireless Charging in Electric Vehicles: Progress, Obstacles, and Prospects for the Future", Journal of Advancement in Electronics Design, Volume 6, Issue 3, 2023. (Google Scholar)

7. Shilpam Malik, “A New Approach to Design of Voltage Controller for DC–DC Boost Converter”, Journal of Optoelectronics and Communication, Volume 6, Issue 1, 2024. (Google Scholar)

Conferences

1. Shilpam Malik, Sachit Rathee, “Ambiguous Fuzzy Einstein Ordered Averaging Operator: Application to the classification of Power Generation Methods” in 4th International IEEE Conference on Advance Computing and Innovative Technologies in Engineering from 14th - 15th May 2024. (Scopus Indexed)

Memberships of professional bodies

- Life time member of ISTE.

Activities

- NPTEL FDP on IOT from Jan-March 2024.
- Attended ‘GIAN’ course on “Precision Positioning Systems: Dynamics and Control” at NIT, Kurukshetra.
- Attended various FDPs in various fields of Electrical Engineering at various institutes.