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INTERNATIONAL JOURNAL

1. Sathish Ch., Chidambaram I.A., Manikandan M. (2022). “Reactive Power Compensation in a Hybrid Renewable Energy System through Fuzzy Based Boost Converter”, *Journal of Problems of The Regional Energetics*, Vol.53, No.1, pp.10–26, doi: <https://doi.org/10.52254/1857-0070.2022.1-53.02>. (**Web of Science& Scopus**)
2. Sathish Ch., Chidambaram I.A., Manikandan M. (2023). “Intelligent cascaded adaptive neuro-fuzzy interface system controller fed KY converter for hybrid energy based microgrid applications”, *Electrical Engineering & Electromechanics*, No.1, pp. 63-70. doi: <https://doi.org/10.20998/2074272X.2023.1.01>. (**Web of Science& Scopus**)
3. Sathish Ch., Chidambaram I.A., Manikandan M. (2023). “Hybrid Renewable System with High Gain Modified Z-Source Boost Converter for Grid-Tied Applications”, *Journal of Problems of The Regional Energetics*, Vol.57, No.1, pp. 39–54, doi:<https://doi.org/10.52254/1857-0070.2023.157.024>. (**Web of Science& Scopus**)
4. Sathish Ch., Chidambaram I.A., Manikandan M.(2023), “Switched Z-Source Boost Converter in a Hybrid Renewable System for Grid-Tied Applications” *Journal of Electrical Systems*, Vol. 19, No.1, pp.64– 81. (**Web of Science& Scopus**)
5. Sathish Ch., Chidambaram I.A., Manikandan M. (2022b). “Reactive power compensation of STATCOM and transient stability by using fuzzy logic controller” *Journal of Xidian University*, Vol.16, No.1, pp.361–371.
6. Sathish Ch., Chidambaram I.A., Manikandan M.(2022) “Recent advances for DC-DC converter Topology in Hybrid Renewable System” *Journal of Electrical Engineering and Automation*, Vol.4, no4, pp.277-296 doi:<https://doi.org/10.36548/Jeea.2022.4.005>.

7. Sathish Ch., Chidambaram I.A., Manikandan M. (2022d). “Reactive power Injection Mode in a Hybrid Renewable Wind solar energy system, *Journal of Emerging Technologies and Innovative Research*, Vol. 9, no. 5, pp-151-161.
8. Sathish Ch., Kavyasri., Prasanth L., (2022). “Voltage Stability improvement by Optimized STATCOM controller for Grid connected Hybrid Network system, *YMER journal*, Vol. 21, no. 7, pp-248-262.

Achievements:

S.No	NPTEL(SWAYAM) ONLINE CERTIFICATION course	ROLL NO	Month & Year of Program
1	CLOUD COMPUTING	NPTEL24CS118S962600019	JUL-OCT (2024)
2	DATA MINING	NPTEL25CS19S447100076	JAN-MARCH (2025)
3	DEMYSTIFYING NETWORKING	NPTEL24CS69S438700044	JUL-AUG (2024)

Programs Attended:

S.No	Title of the Workshop /Conference	Sponsorship	National / International	Month & Year of Program
1	Micro Grid Dynamics and Control	DST-SERB	National	Jan- 2024
2	ELECTRIC VEHICLE TECHNOLOGIES	AICTE(ATAL)	National	JULY-2025