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# List of Publications

## From Thesis Work

### Journals

1. **Saumya Singh**, R.K. Saket, Baseem Khan (2023), “A Comprehensive state-of-the-art review on reliability assessment and charging methodologies of grid-integrated electric vehicles,” IET Electrical Systems in Transportation vol.13, no.1, pp. 1-29: e12073 (2023).
2. S. K. Soni, **Saumya Singh**, K A Singh, X Xiong, R K Saket, A Sachan (2023), “Event-Triggered Control for LPV Modeling of DC-DC Boost Converter,” IEEE Transactions on Circuits and Systems II: Express Briefs, vol.70, no.6, pp. 2062-2066 (2023).
3. **Saumya Singh**, R.K. Saket, “Solar-Integrated Interleaved Direct Current Charging System for Electric Vehicles,” GMSARN International Journal (Accepted for publication). (**In Press**)
4. **Saumya Singh**, R.K. Saket, Baseem Khan, “Multi-functional Plug-in EV On-board Charger for Sustainable Transportation” IEEE Access. (**Revision submitted**)

### B. Book Chapters

1. **Saumya Singh**, Dhawal Dwivedi, Sandeep Kumar Soni, R K Saket, D.P. Kothari (2024), “Reliability Assessment of Sub-components of Electric Vehicle for Performance Enhancement of Grid Integrated Power System” Reliability Analysis of Modern Power Systems, Wiley-IEEE Press (USA), ch22, pp. 427-449.

2. **Saumya Singh**, Dhawal Dwivedi, Kumari Sarita, R. K. Saket, P. Sanjeevikumar (2024), “Reliability Assessment of Multilevel Inverter for Modern Power System Applications” Reliability Analysis of Modern Power Systems, Wiley-IEEE Press (USA), ch23, pp. 451-466.
3. Dhawal Dwivedi, **Saumya Singh**, Kumari Sarita, R K Saket (2024), “Reliability Aspects in Snubber Circuit for Industrial Power Applications” Reliability Analysis of Modern Power Systems, Wiley-IEEE Press (USA), ch24, pp. 467-479.
4. Jyoti Maurya, **Saumya Singh**, P Sanjeevi Kumar, and R K Saket (2024), “Reliability Assessment of Power Electronics Devices and Systems for Modern Power Applications” Reliability Analysis of Modern Power Systems, Wiley-IEEE Press (USA) ch25 pp. 481-492.

### C. Conference Proceedings

1. **Saumya Singh**, Sandeep Kumar Soni, Abhishek Singh, R.K. Saket, “Sliding Mode Control for Bidirectional DC-DC Power Converter in Electric Vehicle Charger for G2V and V2G Applications” 2023 IEEE 3rd International Conference on Sustainable Energy and Future Electric Transportation (SEFET), Bhubaneswar, India, 2023, pp. 1-6.
2. S. K. Soni, **Saumya Singh**, S. Kumar, H. S. Sahu and R.K. Saket (2023) “Solar-to-Vehicle Charging with Maximum Power Point Tracking using Super-Twisting Controller” 2023 IEEE International Transportation Electrification Conference (ITEC-India), Chennai, India, 2023, pp. 1-6.
3. Sandeep Kumar Soni, Abhishek Singh, **Saumya Singh**, Ankit Sachan, Xiaogang Xiong (2022). “Event-Triggered Control for DC-DC Boost Converters,” 2022 IEEE International Conference on Industrial Technology (ICIT), Shanghai, China, 2022, pp. 1-6.