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List of Publications:

1. Elango, S, Manavaalan, G, Ramakrishnan, K, Sanjeevikumar, P. Sharmeela, C, Ahmet H. Ertas, "Genetic Algorithm Based Reference Current Control Extraction Based Shunt Active Power Filter" in International Transactions on Electrical Energy Systems, **Wiley Publications**, pp 1-22, 2020. DOI: 10.1002/2050-7038.12623.

2. Elango. S, Subramaniam. R, Manikandan. V and Ramakrishnan. K "Fuzzy Logic Based Multi-Level Shunt Active Power Filter for Harmonic Reduction" International Journal of Operational Research. **Inderscience Publishers** Ltd, Vol. 39, Issue 1, PP 95-115, Jan 2020. DOI: 10.1504/IJOR.2020.108836.
   (https://www.inderscienceonline.com/doi/abs/10.1504/IJOR.2020.108836)

3. Elango, S & Manikandan, V 2016, „On Design and Implementation of Three Phase Three Level Shunt Active Power Filter for Harmonic Reduction using Synchronous Reference Frame Theory", International Journal of Electrical Power and Energy Systems, **Elsevier Publications,** Vol. 81, pp. 40-47.
   (https://www.sciencedirect.com/science/article/abs/pii/S014206151600082X)

4. Elango. S, Subramaniam. R, Manikandan. V and Ramakrishnan, "PSO based Reference Current Extraction in PI Controller for Three Level Shunt Active Power Filter" International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 3, December 2016, pp. 2144 – 2159.

5. Elango. S, Subramaniam. R, Manikandan. V and Ramakrishnan, "Reference Current Extraction Using PI and Fuzzy Logic Controller for Three Level Shunt Active Power Filter" International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 3, December 2016, pp. 2132 – 2143.

6. Elango, S & Manikandan, V 2015, „Hybrid Controller for Three Level Shunt Active Power Filter To Reduce Supply Current Harmonics For Power Quality Improvement‟, Research Journal of Applied Sciences, Engineering and Technology, -**Maxwell Publications**, vol. 10, no. 5, pp. 581-590. (http://dx.doi.org/10.19026/rjaset.10.2466) (https://maxwellsci.com/jp/mspabstract.php?doi=rjaset.10.2466)

7. S. Elango, N. Sathish, "Analysis of Matrix Converter with various Inputs using Power Simulation" International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Special Issue2, April 2014.

8. Elango S, Dr. E. Chandra Sekaran, and Dr. P. Anbalagan "Comparative Analysis of Three Level Diode Clamped Inverter with Two Level Voltage Source Inverter", i- managers Journal on Engineering, India , Vol. 2, No.3, Jan-Mar 2009, PP: 26-35.

Book Chapters:

1. Elango, S. Sivaraman, P and Dr. C. Sharmeela (2020), "Load Flow Analysis for Micro Grid" in Microgrid Technologies, Scrivener Publishing (Wiley Publications) Chapter No.7, p.p 177-195. 2020 (http://www.scrivenerpublishing.com/cart/title.php?id=589)

2. Elango, S, Eswara Rao, Krishna Mohan Tatikonda, "Power Quality Improvement in Microgrid System Using PSO-Based UPQC Controller" in Microgrid Technologies, Scrivener Publishing (Wiley Publications) Chapter No.11, p.p 287-305. 2020.

List of International Conferences:

1. Presented a research paper entitled "Identification and Rehabilitated from Fungal Disease Affected Plants" in 7th International Conference on "Phytopathology in Achieving UN Sustainable Development Goals" Organized by Indian Phytopathological Society, Indian Agricultural Research Institute, New Delhi, India during January 16-20, 2020.

2. Presented a research paper entitled " Soft Computing Techniques With SVC to Improve The Transient Stability of Grid Connected Distributed Generation System" in Research Support Conclave (RSC-2020) Organized by Teaching Learning Center, Coimbatore Institute of Technology, during 8-10 January , 2020.

3. Presented a research paper entitled "Design and Analysis of Sensor less Control of Five-Phase Induction Motor Drive" at Research Support Conclave (RSC 2020) organized by Teaching Learning Center, Coimbatore Institute of Technology, during 8-10 January , 2020.

4. Submitted a paper titled "A Comparative Analysis of Switching Logics for Five Phase Voltage Source Inverter" organized by National Institute of Technology (NIT), Raipur, Chhattisgarh in association with IEEE Bombay Section during January 3-5, 2020.

5. Presented a paper titled "Design and Development of ANN controller with SVC to Improve the Transient Stability of a Grid Connected Distributed Generation Systems" in 19th International Conference on Science, Engineering and Technology (ICSET- 2019) organized by Vellore Institute of Technology, Vellore during 30-31, October 2019.

6. Presented a paper under the theme of "Affordable Renewable and Clean Energy in Total Energy Consumption" in India International Science Festival 2019 organized by Ministry of Science and Technology, Ministry of Earth Sciences, Ministry of Health and Family Welfare, Government of India, held at Biswa Bangla Convention Centre, Kolkata during November 5-8, 2019.

7. S. Elango, R. Latha and P. Bhagavathy., "A case Study on the Impact of Power Quality analysis in Textile Industry" in 13th IEEE International conference on Industrial and Information Systems, Co-sponsored by IEEE Delhi section, IEEE Kharagpur section and IEEE Sri Lanka, organized by Department of EEE, IIT Ropar during 1-2 December 2018.

8. V. Manikandan, G. Manavaalan, S. Elango, A.D. Thirumoorthy, D. Vijeswaran and Rajit Gadh, "Optimization Of Energy Harvesting From Solar Micro Grids Through Distributed Storage & Vehicle Grid Integration Strategy With Demand Response/Predictive Scheduling Framework", International R&D Conclave – Emerging Opportunities & Challenges of R&D in Indian Power Sector, Feb. 20-21, 2018, New Delhi.

9. Elango, S & Manikandan, V 2014, „Design and implementation of Three Phase Three Level Shunt Active Power Filter for harmonic reduction", Proceedings of Industrial Electronics Society, IECON 2014 - 40th IEEE Proceedings, Hotel Sheraton, Dallas, Texas, USA doi: 10.1109/IECON.2014.7048681. pp. 1377-1383. (https://ieeexplore.ieee.org/document/7048681)

10. Elango S, Muthupandi G, Manikandan V., "Hardware Modeling of Extended Kalman Filter for Voltage Signal Analysis Using PIC Microcontroller" Proceedings of International Conference on Advances in Control and Computing of Analog and Digital Systems (ACCADS 2014) held from 29th – 31st, December 2014 organized by Department of EEE, Coimbatore Institute of Technology, Coimbatore.

11. Elango S, Muthupandi G, Manikandan V., "Estimation of Voltage Signal Analyses Using Extended Kalman Filter" Proceedings of 3rd IEEE international conference on Communication and Signal Processing organized by Department of ECE, Adhiparasakthi Engineering College, Melmaruvathur during 3-5, April 2014. DOI: 10.1109/ ICCSP. 2014. 6950131.

12. Elango S., "Design and Development of Smart Sales Robot for Supermarket" organized by Proceedings of IRAJ Research Forum in association with ICACSIT-Pondicherry on 5th April 2014.

13. Elango S., "Design and Development of Energy Monitoring and Automated Control System Using Labview for Energy Conservation" organized by Proceedings of IRAJ Research Forum in association with ICACSIT-Pondicherry on 5th April 2014.

14. Elango S and Sathish, N., "Comparison SPWM and SVPWM with Matrix Converter using Power Simulation" Proceedings of International Conference on Emerging Trends in Engineering & Technology (ICETET 2014) held on 28th March 2014 at Nehru Institute of Engineering and Technology, Coimbatore – 05.

15. Elango S, Chandira sekeran, E., "Mitigation of Voltage Sag by Using Distribution Static Compensator" Proceedings of International conference on Process Automation Control and Computing organized by Department of Electrical and Electronics Engineering, Coimbatore Institute of Technology, Coimbatore and IEEE Chapter Madras during 20-22, July 2011.