

## Details of Publications:

### International Journals

1. Shanmugapriya, M, Subramaniyan, V, Anuradha, T and **Mayurappriyan, P. S.**, "Power Management of a Microgrid using Fuzzy Logic Controller", International Journal of Advance Science and Technology, Vol. 29, No. 10S, (2020), ISSN: 2005-4238 IJAST, pp. 7169-7180.
2. Loganathan, N, **Mayurappriyan, P. S.** and Lakshmi, K, "Demand Side EMS using Artificial Neural Network-based LP Method", IOP Conference Series: Materials Science and Engineering, Vol. 623 (2019) 012001, DOI:10.1088/1757-899X/623/1/012001.
3. Loganathan, N, Mayurappriyan, P. S. and Lakshmi, K, "Smart Energy Management Systems: A Literature Review", MATEC Web Conf. Volume 225, 2018, UTP-UMP-VIT Symposium on Energy Systems 2018 (SES 2018), DOI: 10.1051/mateconf/201822501016, pp 1-8. (SCOPUS INDEXED)
4. Shanmugapriya, M and **Mayurappriyan, P. S.**, "Comparative Study of Firefly Algorithm with PI, PID, Fuzzy Logic Controller for Diode Bridge Power Factor Corrector", International Journal of Pure and Applied Mathematics, Vol. 120, No. 6, 2018, ISSN: 1314-3395, pp 1129-1140. (SCOPUS INDEXED)
5. Poornima, R, Sivachidambaranathan, V and **Mayurappriyan, P. S.**, "PLC Based Reciprocating Compressor Capacity Regulation System", International Journal of Pure and Applied Mathematics, Vol. 118, No. 17, 2018, ISSN: 1311-8080, pp 591-598. (SCOPUS INDEXED)
6. Anju Chandran and **Mayurappriyan, P.S.**, "Voltage Balancing of Five Level Diode Clamped Multilevel Inverter Using Five Level Boost Converter", International Journal of Control Theory and Applications (ISSN: 0974-5572), International Science Press, Vol. 9, Issue 15, 2016, pp 7557-7570. (SCOPUS INDEXED / ANNEXURE – II)
7. Gayathri, R., Preshnave, M. and **Mayurappriyan, P.S.**, "Dynamic Analysis of Wind Turbine Driven doubly Fed Induction Generator - A Literature Review", International Journal of Control Theory and Applications (ISSN: 0974-5572), International Science Press, Vol. 9, Issue 13, 2016, pp 6239-6248. (SCOPUS INDEXED / ANNEXURE – II)
8. Brighty Mariam Babu, **Mayurappriyan, P.S.** and Subhashini, A., "A Hybrid Power Control Concept For PV Inverters Using Resonant Converter", Advances in Natural and Applied Sciences. 10(14) 2016 Special 10(14), ISSN: 1995-0772, pp 105-114. (ANNEXURE – II)
9. Bijo Merlin, **Mayurappriyan, P.S.**, Saravanan, M. and Subhashini, A., "A Control Strategy to Overcome LVRT Issues in Wind Turbine Driven Squirrel Cage Induction Generator", Advances in Natural and Applied Sciences. 10(14) 2016 Special 10(14), ISSN: 1995-0772, pp 97-104. (ANNEXURE – II)

10. Uthirasamy, R., **Mayurappriyan, P.S.**, and Krishnakumar, C., "Distinct Exploration on Two-Level and Hybrid Multilevel Converter for Stand-alone Solar PV Systems", Proceedings of 2<sup>nd</sup> International Conference on Intelligent Computing and Applications, Springer Series on Advances in Intelligent Systems and Computing 467, DOI 10.1007/978-981-10-1645-5\_25, 2016, pp 301-316 (SCOPUS INDEXED).
11. Nagarajan Ayvarnam and **Mayurappriyan, P.S.**, "Dynamic Scheduling of Machines Towards the Vision of Industry 4.0 Studio – A Case Study", Proceedings of 2<sup>nd</sup> International Conference on Intelligent Computing and Applications, Springer Series on Advances in Intelligent Systems and Computing 467, DOI 10.1007/978-981-10-1645-5\_9, 2016, pp 103-112 (SCOPUS INDEXED).
12. Gayathri, R. and **Mayurappriyan, P.S.**, "Distributed Generator Placement and Sizing Based on Genetic Algorithm", Proceedings of 2<sup>nd</sup> International Conference on Intelligent Computing and Applications, Springer Series on Advances in Intelligent Systems and Computing 467, DOI 10.1007/978-981-10-1645-5\_32, 2016, pp 377-386 (SCOPUS INDEXED).
13. Gold Priya, A., **Mayurappriyan, P.S.**, Deepa Kurup and Maga, S., "Analysis of Low Voltage Ride Through on Permanent Magnet Synchronous Generator Based Wind Energy Conversion System", Middle-East Journal of Scientific Research, 24 (S2), pp 254-262, 2016, ISSN 1990-9233.
14. Priyadarshini, S., **Mayurappriyan, P.S.**, Arulselvan, S. and Bijo Merlin, M. "Remedial Measures to Overcome Low Voltage Ride Through Problems for Wind Turbine Driven DFIG", Middle-East Journal of Scientific Research, 24 (S2), pp 351-359, 2016, ISSN 1990-9233.

## National Journals

1. Balaji, S., Deiva Sundari, P., **Mayurappriyan, P.S.**, Annes, J., "A Novel Inductive Power Transfer System for Wireless Charging of Electric Vehicle", Career Journal – Dialog India, Proceeding of National Conference on "Design & Innovation" organized by Dialogue India held at IIT, Delhi, pp. 26-27, 24<sup>th</sup> June 2017, ISBN No. 819070985-2.

## International Conferences

1. **Mayurappriyan, P. S.**, Saravanakumar, S and Shreenivas, S. K., "Delineation and Realization of Cost Effective Self-Powered Weather Monitoring System", International Conference on Small Wind Turbines, National Institute of Wind Energy, Ministry of New and Renewable Energy, 10-13, December 2018, Chennai (Poster Presentation).

2. Subhashini, A., **Mayurappriyan, P.S.**, Sai Ramesh, L. and Brighty Mariam Babu, "Design and Implementation of a Novel Multilevel Inverter for Switched DC Sources", 6<sup>th</sup> International Conference on Science and Innovative Engineering, Organization of Science and Innovation Engineering & Technology, ISBN 978-81-904760-8-9, April 2016.
3. Bijo Merlin., **Mayurappriyan, P.S.**, Saravanan, M and Priyadharshini, S, "Impact of Low Voltage Ride Through Issues in Grid Connected Wind Turbine Driven Squirrel Cage Induction Generator", 6<sup>th</sup> International Conference on Science and Innovative Engineering, Organization of Science and Innovation Engineering & Technology, ISBN 978-81-904760-8-9, April 2016.
4. **Mayurappriyan, P.S.**, Jovitha Jerome and Ganesh Kumar, S., "Application of Matrix Converters for Wind Turbine Generators", International Conference on Electrical Energy Systems & Power Electronics in Emerging Economics, SRM University, April 2009.
5. Karpagam, J., **Mayurappriyan, P.S.**, and Jovitha Jerome, "Application of Matrix Converter in Wind Energy Conversion System employing Synchronous Generators", International Conference on "Information and Communication Technology in Electrical Sciences (IET INDIA ICTES 2007)", Chennai, December 2007.
6. **Mayurappriyan, P.S.**, Rajambal K, Chellamuthu C and Jovitha Jerome "Intelligent Controller for an Isolated Wind Energy Conversion Scheme" India International Conference on Power Electronics IEEE – IICPE, 19-21 December 2006, pp 83-88.
7. **Mayurappriyan, P.S.**, Nagaraj R and Jovitha Jerome, "Microcontroller based Fuzzy Logic Technique for DC–DC Converter" India International Conference on Power Electronics IEEE – IICPE, 19- 21 December 2006, pp 355-359.
8. **Mayurappriyan, P.S.**, Ramkumar M and Jovitha Jerome, "Analysis of Variable Speed Wind Turbine Driven Doubly Fed Induction Generator", 8<sup>th</sup> IEEE International Power Engineering Conference, Singapore, 3-6 Dec 2007.
9. **Mayurappriyan, P.S.**, Ramkumar M and Jovitha Jerome, "Power Factor Correction using Static VAR Compensator for Wind Turbine Driven Induction Generators", 8<sup>th</sup> IEEE International Power Engineering Conference, Singapore, 3-6 Dec 2007.

#### **BOOK:**

1. Ganesh, C, Shanmugasundaram, R, **Mayurappriyan, P.S.**, "Principles of Control Systems, YesDee Publishers, October 2019.
2. Loganathan, N, Lakshmi, K and **Mayurappriyan, P.S.**, "Demand Side Energy Management System for SG using Robust Optimization", LAP Lambert Academic Publishing, Mauritius, ISBN: 978-613-89138-2, 2018.