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List of Publications (Last Five Years)

1. Dr.M.Muhaidheen, Miss.Tamilarasi, **Dr.S.Muralidharan** "High Gain and High Efficiency Solid state converter for Fuel cell applications" **Advances in Smart System Technologies** , Vol.1163, pp.441-458, October-2020.

2. Dr.A.Kavitha, Mr.R. Jai Ganesh, **Dr.S.Muralidharan** "Automatic Dam Shutter Control using Wireless Sensor" **Journal of Seybold Report**, Vol.15, Issue.9, pp.3867-3872, September-2020.

3. Dr.S.Anbarasi, Dr.S.Ramesh, **Dr.S.Muralidharan** "An Optimal Tuning of Integral Controller for Hybrid LFC System Integrated with Wind Energy Resources" **International Journal of Advanced Science and Technology**, Vol.29, Issue.7s, pp.1212-1221, April-2020.

4. Mr.B.Sakthisudhursun, Mr.S.Arockiaraj, **Dr.S.Muralidharan** "Implementation of Nearest Level Control Modulation Technique for Multilevel Inverter using Arduino" **International Journal of Advanced Science and Technology**, Vol.29, Issue.7s, pp.1096-1102, April-2020.

5. Dr.J.Gnanavadivel, Dr.N.Senthil Kumar, Dr.S.T.Jaya Christa, **Dr.S.Muralidharan** "Design and implementation of FPGA-based high power LED lighting system for ships" **Indian Journal of Geo-Marine Sciences**, Vol.48, Issue.5, pp.724-729, May-2019.

6. Mrs.Menaka, **Dr.S.Muralidharan** "Application of Evolutionary Algorithms for Harmonic Profile Optimization in Symmetric Multilevel Inverter used in Medical Electronic Equipments" **Current Signal Transduction Therapy**, Vol.14, Issue.1, pp.12-20, February-2019.

7. Mr.Rajasekar, **Dr.S.Muralidharan** "Optimal Placement of FACTS Devices for Voltage Stability Improvement with Economic Consideration Using Firefly Algorithm" **Current Signal Transduction Therapy**, Vol.14, Issue.1, pp.4-10, February-2019.

8. Dr.J.Gnanavadivel, Miss.P.Yogalakshmi, Dr.N.Senthil Kumar, **Dr.S.Muralidharan** "High efficient single stage Cuk LED driver for universal input voltage applications with improved power quality" **Optoelectronics and Advanced Materials – Rapid Communications** , Vol.12, Issue.11-12, pp.694-699, December-2018.

9. **Dr.M.Muhaidheen**, Dr.S.Muralidharan, Mr.M.Anandhan "Electrical Safety System for Industry/Residential Applications**" International Journal of Mechanical Engineering and Technolog** , Vol.9, Issue.9, pp.755-760, September-2018.

10. Mr.B.Sakthisudhursun, Mr.S.Arockiaraj, **Dr.S.Muralidharan** "Bus Clamping Techniques for Dual Inverter Fed Three-Level Open-end Induction Motor " **International Journal of Pure and Applied Mathematics,** Vol.120, Issue.6, pp.11037-11051, August-2018.

11. Dr.M.Muhaidheen, **Dr.S.Muralidharan** "Internet of Things based Advanced Security System for ATM" **International Journal of Mechanical Engineering and Technology**, Vol.9, Issue.8, pp.722-726, August-2018.

12. Mrs.Menaka, **Dr.S.Muralidharan** "Symmetric and Asymmetric Multilevel Inverter Topologies with Device Count: A Review" **International Journal of Pure and Applied Mathematics**, Vol.120, Issue.6, pp.10875-10904, August-2018.

13. Dr.M.Muhaidheen, **Dr.S.Muralidharan** "Low Cost Tensegrity based Exploration Vehicle Using Arduino Microcontroller**" International Journal of Mechanical Engineering and Technology**, Vol.9, Issue.7, pp.1564-1569, July-2018.

14. Dr.P.Oliver Jayaprakash, Dr.K.Gunasekaran, **Dr.S.Muralidharan** "soft computing based optimization of cargo vessel service time in a South Indian Port" **Journal of Advanced Research in dynamical and Control system**, Vol.1, Issue.09, pp.1-4, July-2018.

15. Dr.S.Syed Ameer Abbas, Dr.P.Oliver Jayaprakash, **Dr.S.Muralidharan** "Smart System for Crowd Management and Human Tracking" **Journal of Advanced research in Dynamical and Control systems**, Vol.10, Issue.2, pp.1288-1304, July-2018

16. Dr.P.Oliver Jayaprakash, Dr.K.Gunasekaran, Dr.G.Chandrasekaran, **Dr.S.Muralidharan** "Probability Density Functions for Vessel arrivals served at Multicommodity Ports**" International Journal of Pure and Applied Mathematics,** Vol.118, Issue.24, pp.1-15, May-2018.

17. **Dr.S.Muralidharan**, Miss.Vaishnavi, Dr.M.Muhaidheen, Mr.B.Sakthisudhursun "Maximum Power Extraction Using Modified Regula Falsi power Tracker Algorithm" **International Journal of Pure and Applied Mathematics**, Vol.118, Issue.24, pp.1-16, May-2018.

18. Miss.Vaishnavi**, Dr.S.Muralidharan** "E-Drive for Dual Powered Eco-Friendly Hybrid Dory Boat in Fishery" **International Journal of Engineering Research in Electrical and Electronic Engineering**, Vol.3, Issue.11, pp.107-114, November-2017.

19. Mrs.S.Anbarasi, **Dr.S.Muralidharan** "Intelligent Tuning of Proportional Integral Derivative Controller Using Hybrid Bacterial Foraging Particle Swarm Optimization for

Automatic Voltage Regulator System" **Revue roumaine des sciences techniques Série Électrotechnique et Énergétique**, Vol.62, Issue.3, pp.325-331, October-2017.

20. Mrs.S.Menaka, **Dr.S.Muralidharan** "Novel Symmetric and Asymmetric Multilevel Inverter Topologies With Minimum Number of Switches for High Voltage of Electric Ship Propulsion System" **Indian Journal of Geo Marine Sciences** , Vol.46, Issue.9, pp.1920-1930, September-2017.

21. Dr.Selvaperumal, **Dr.S.Muralidharan**, Mr. P. NedumalPugazhenthi,, Mr.G.Prabhakar, Mr.J. Bastin SolaiNazaren, Mr.P Parthiban Gnanaskanda "Performance Investigation of SHE PWM Implementation of GA Based LCL Resonant Inverter in Marine Applications" **Indian Journal of Geo-Marine Sciences**, Vol.46, Issue.9, pp.1889-1898, September-2017.

22. Mrs.S.Anbarasi, **Dr.S.Muralidharan** "Metaheuristic Optimized PID tuning for Load Frequency Control of Multi- Area Multi- Source Power System with and without HVDC Link" **Journal of Electrical Engineering** , Vol.17, Issue.2, pp.61-68, July-2017.

23. Dr.M.Muhaidheen, **Dr.S.Muralidharan** "Performance Investigation of Power Quality in Distributed Generation System fed Smart Grid using different control strategies" **Journal of Electrical Engineering** , Vol.17, Issue.2, pp.363-374, July-2017.

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25. Mr.Rajasekaran, **Dr.S.Muralidharan** "Firefly algorithm in determining maximum load utilization point and its enhancement through optimal placement of FACTS device" **Circuits and Systems**, Vol.7, Issue.10, pp.3081-3094, August-2016.

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27. Mr.S.Ravikumar, Dr.M.Muhaidheen, **Dr.S.Muralidharan** "Performance Investigation Of Shunt Active Power Filter Under Various Control Strategies In Distribution Generation Source (DGS) Environment" **International Journal of Applied Engineering Research**, Vol.10, Issue.9, pp.7477-7482, April-2015.

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29. Mr.K.Prabakaran, **Dr.S.Muralidharan**, Dr.M.Muhaidheen published "Design and Development of Power Conditioning Circuit for Fuel Cell" **International Journal of Applied Engineering Research**, Vol.10, Issue.9, pp.7507-7511, April-2015