



AMET
ACADEMY OF MARITIME EDUCATION AND TRAINING

Deemed to be University Under Section 3 of UGC Act 1956



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LIST OF PUBLICATIONS: 2021-2022

1. T.Sasilatha, Gopalakrishnan, Karthikeyan, Elavarasi “A Short Review On Solar Stills Using Nano Phase Change Materials And Their Enhances Properties” International Journal of Aquatic Science, ISSN 2008-8019, Vol 12 (3), Pp no.385-392, July 2021.
2. G. Themozhi, A. Prabha, P. Radhakrishnan, K. Manigandan “Battery Monitoring And Smart Charging Using Iot For Electrical Vehicle Applications” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12(3), Pp no.593-601, July 2021.
3. K.R.Sunil Raj, G. Themozhi and A. Kalaimurugan “Design of three port Bidirectional DC to DC Converter for Photovoltaic Applications” Tierärztliche Praxis ISSN: 0303-6286, Vol 41, pp no 724-737, 2021.
4. C. Gnanavel “Fuzzy Logic Control for Solar PV fed Modular Multilevel Inverter towards Marine Water Pumping Applications” IEEE access, ISBN: 2169-3536, vol: 9 2021
5. C. Gnanavel “Design Methodology and Experimental Verification of Intelligent Speed Controllers for Sensorless Permanent Magnet BLDC Motors”, International Transaction on Electrical Energy systems, ISBN: 2050-7038 2021.
6. G. Jegadeeswari, B. Kirubadurai, S. Kanagaraja “Analysis of Knocking Characteristic in Dual Fuel Engine - the Effects on Diethyl Ether” INCAS BULLETIN, Vol 13(2), Pp83-90 ISSN 2066- 8201, June 2021.
7. G. Jegadeeswari, B. Kirubadurai, Viknesh.S, Dhanasekar. P, Dinesh. R, CK Manoj “A Fuzzy Logic Controller Based SRM with Torque Ripple Suppression for EV Applications” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (2), July 2021.
8. Padmapriya.J, Karthickmanoj.R, T. Sasilatha, Bharathi.V “An Efficient Color Based Segmentation and Feature Extraction Framework for Leaf Disease Detection in Smart Agriculture” International Journal of Aquatic Science, Vol 12 (2), July 2021.
9. Josephath Jeyabal Maria Praveena, Somasundaram Gowri, Gunasekaran Nethravathi, Vincent Divya Varsha, Arockiasamy Carmel Vieyana, Susai Santhammal Rajendran, Dorothy Rajendran, Thankappan Sasilatha, Antony John Amalraj “Inhibition of corrosion of SS 18/8 alloy in sea water by Thiourea-Zn²⁺ system” Zaštita materijalavol ISSN 0351-9465, Vol 62(3), pp191-203, 2021.
10. D. Lakshmi, G. Ezhilarasi, K. Rekha G. Jegadeeswari, “Automatic Detection and Power Shutdown for Gas Leakage and Its Monitoring System” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (2), July 2021.

11. Patricia.L, Gnanavel.C “An Overview of Electric Vehicle Adoption and Challenges in India, Journal of Emerging Technologies and Innovative Research, ISSN 2349-5162.
12. G. Themozhi, A. Prabha, P. Radhakrishnan, K. Manikandan “Battery Monitoring and Smart Charging Using IoT for Electrical Vehicle Applications” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (2), July 2021.
13. Veerakumar.P, R. Sundar, S.V. Saravanan “Emerging Electric Ship: Modern Power Technology and Propulsion System” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (2), July 2021.
14. A. Ramya, R.K. Padmashini “Energy Management System Based On Dc-Dc Converter for Micro Grid Using Hybrid Energy Sources” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (2), July 2021.
15. P. Sivaperumal, Subranhsu Sekhar Dash, Satish Kumar S and J.S. Ashwin “Fuzzy – Discrete Wavelet Transform Aided Scii Based Idvr for Mitigating Power Quality Issues” International Journal of Aquatic Science, Vol 12 (3), pp 602-615, July 2021.
16. Satish Kumar S, M. Sasikumar, P Sivaperumal, JS Ashwin and Kavitha Kumari K S “Implementation of a Simplified Nine Level Dc-Ac Inverter;” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (3), pp 585-592, July 2021.
17. A. Srujana, D. Lakshmi, C. N. Ravi, S. Baskaran “Integrated Renewable Energy Sources for The Minimization of Emission and Economic Operation of Power System” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (3), pp 341-349, July 2021
18. T. Baldwin Immanuel, P. Rathnavel, A. Suresh, K. Manikandan “Inter Combining Quazi Z Source Network with Matrix Converter for Wind Powered Distribution System” International Journal of Aquatic Science, Vol 12 (3), pp 553-561, July 2021
19. Dr. V. Karthikeyan, R. Elavarasi, Dr. V. Jamuna, “Modeling and Simulation of Non-Isolated Multi-Port Dc-Dc Converter for Electric Vehicle Applications” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (3), Pp 420-430, July 2021
20. G. Jegadeeswari, S. Baskaran, D. Lakshmi, B. Kirubadurai “Performance Investigation of Cascaded Multilevel Inverter Fed Brushless Dc Motor Drive” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (3), Pp 484-489, July 2021
21. S. Amirtharaj, D. Lakshmi, G. Jegadeeswari G. Ezhilarasi “Performance of a Photovoltaic Luo- Converter with Multiple-Lift Push-Pull Switched Capacitors” International Journal of Aquatic Science; Vol: 12, Issue:3, July 2021
22. R. Elavarasi, C. Nayanatara, V. Karthikeyan, “Real Time Low Cost Automated Production System Using Internet of Things;” International Journal of Aquatic Science ISSN: 2008-8019, Vol 12 (3), Pp 447-448, July 2021
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- “SCADA Based System for Controlling and Monitoring Boiler in Ship” International Journal of Aquatic Science; Vol: 12, Issue:3,pp449-458 July 2021
24. P. Vinoth Kumar, P. Sathish Khanna, Arthi J, Arul Rajan P, Arunkumar S “Smart Room Automation Using Sensors and GSM Module” International Journal of Aquatic Science; Vol: 12, Issue:2, July 2021
 25. Tamil Pavai G, D S Manivannan, R Hemanth raj “Thermoelectric Power Generation Using Waste -Heat Energy from Peltier and Seebeck Module” International Journal of Aquatic Science; Vol: 12, Issue:2, July 2021
 26. R. Sundar, A.T. Madhavi, P. Veerakumar, Suresh. A, “Underwater Biofouling Detection Using Image Processing and Neural Network;” International Journal of Aquatic Science; Vol: 12, Issue:3 July 2021
 27. Kirubadurai. B Kanagaraja. K Jegadeeswari. G Gowtham G “Improvement of Air Compressor Cooling with Intercooler Fine Pruning” International Journal of Aquatic Science; Vol: 12, Issue:3 July 2021
 28. J.S.Ashwin, D.Vani, P.Siva Perumal, S. Satish Kumar “Analyzing Reliability And Flooding Mechanism In Multi-Hop Wireless Networks” International Journal of Aquatic Science, 2008-8019 Vol 12, Issue 03, 2021, 579-584
 29. K.Manikandan, K.Vanchinathan, V.Karthikeyan, P.Surya, A Novel Approach For Sensorless Speed Control Of Brushless DC Motor Drive Using Modified ant Colony Optimized FOPID Controller, International Journal of Aquatic Science, ISSN: 2008-8019 Vol 12, Issue 03, 2021
 30. R. Karthickmanoj T. Sasilatha J. Padmapriya “Compressive Imaging Systems For Video Surveillance Applications” International Journal of Aquatic Science, pp579-584, ISSN: 2008-8019 Vol 12, Issue 03, 2021
 31. T.Sasilatha, D.Lakshmi, R Rajasree, J K Vaijayanthimala& P Siva “Design and Development of Hybrid Converter for Marine Applications” European Journal of Natural Sciences and Medicine Volume 5, Issue 1 January 2022
 32. Sasilatha.T, Elavarasi.R, Kathikeyan.V, “Influence of Nano Phase Change Materials on the Desalination Performance of Double slope Solar Still” European Journal of Formal Science and Engineering , ISSN 2601-8683, Vol 4(2) Sep. 2021.
 33. Vanchinathan.K, Gnanavel.C, “Systematic Design of Multi-Objective Enhanced Genetic Algorithm Optimized Fractional Order PID Controller for Sensorless Brushless DC Motor Drive” Circuit World, ISSN 0305-6120 August 2021.

