- 1. R, Senthil Ganesh, P, Karuppasamy, A, Abudhahir, R, Vinoth, and S.Selvaperumal "3D Modelling of MFL Imaging System to Detect the Diverse Surface Defects in Ferromagnetic Tubes" Materials Evaluation, (2020): 78(3): 379 386 (DOI:doi.org/10.32548/2020.me-04078)
- 2. S. Lakshmi Kanthan Bharathi and S.Selvaperumal "MGWO-PI controller for enhanced power flow compensation using unified power quality conditioner in wind turbine squirrel cage induction generator" Microprocessors and Microsystems, (2020) 76: 1 8 (https://doi.org/10.1016/j.micpro.2020.103080)
- 3. P.Veeramanikandan and S.Selvaperumal "A Fuzzy Elephant Herding Optimization technique for Maximum Power Point Tracking in the Hybrid Wind-Solar system" International Transactions on Electrical Energy Systems, September (2019): 1 14 (https://doi.org/10.1002/2050-7038.12214)
- 4. N. Balamurugan and S. Selvaperumal "Experimental Analysis of Performance and Thermal Capability of Three Phase Squirrel Cage Induction Motor Using Plastered Composite Conductors" Current Nanomaterials, (2019): 4(3): 201 205 (DOI: 10.2174/2405461504666190912144746).
- 5. Asokan Sivaprakash, Samuel Nadar Edward Rajan and Sundaramoorthy Selvaperumal," Privacy Protection of Patient Medical Images using Digital Watermarking Technique for E-healthcare System." Current Medical Imaging (Formerly: Current Medical Imaging Reviews), (2019): 15(8): 802 809 (DOI: 10.2174/1573405615666190408115158).
- 6. Sivaprakash, Asokan; Rajan, Samuel Nadar Edward; Selvaperumal, S.," A Novel Robust Medical Image Watermarking Employing Firefly Optimization for Secured Telemedicine." Journal of Medical Imaging and Health Informatics (2019): Volume 9, Number 7, September 2019, pp. 1373-1381(9) (https://doi.org/10.1166/jmihi.2019.2759).
- 7. Shyamala Balakumar, Selvaperumal Sundaramoorthy, Ramasubramanian Bhoopalan, G. Prabhakar, "Detection of Moving Object in Dynamic Visual Sequences Based on Partial Least Squares Classifier." Journal of Medical Systems, (2019) 43: 259. (https://doi.org/10.1007/s10916-019-1386-2).
- 8. Sundaram, Sivagama Sundari Meenakshi, Sundaramoorthy Selvaperumal, " A gridconnected asymmetrical cascaded H-bridge 81 level inverter with single PV unit and voltage splitting multi winding isolation transformer in marine applications." IJMS, (2019): 716-723.
- 9. Tae Keun Yoo, Joon Yul Choi, Jeong Gi Seo, Bhoopalan Ramasubramanian Sundaramoorthy Selvaperumal, Deok Won Kim" The possibility of the combination of OCT and fundus images for improving the diagnostic accuracy of deep learning for age-related macular degeneration: a preliminary experiment." Medical & Biological Engineering & Computing, Springer Berlin Heidelberg, (2018): 1-11, ISSN: 0140-0118
- 10. G. Prabhakar & S. Selvaperumal "Formation Control of Cyber Physical Robots in Marine Applications" Indian Journal of Geo-Marine Science, NISCAIR-CSIR, India, Vol. 47 (08), August 2018, pp. 1679-1687(2018).
- 11. Prabhakar Gunasekaran, Selvaperumal Sundaramoorthy, Nedumal Pugazhenthi Pulikesi "Fault data injection attack on car-following model and mitigation based on interval type-2 fuzzy logic controller." IET Cyber-Physical Systems: Theory & Applications (2019): Vol.4, issue.2, pp.128-138.
- 12. G. Prabhakar, S Selvaperumal and P. Nedumal-Pugazhenthi. "Fuzzy PD Plus I Control-based Adaptive Cruise Control System in Simulation and Real-time

Environment." IETE Journal of Research 65(1) (2019): pp69-79, https://doi.org/10.1080/03772063.2017.1407269

- 13. Anna Raja K*, Saravana Sundaram S, Selvaperumal S, Prabhakar G " ANN-based Maximum Power Point Tracking for a Large Photovoltaic Farm Through Wireless Sensor Networks." Current Signal Transduction Therapy (2019): Vol.14 (2) pp. 38-48.
- 14. A. Shyamala, S. Selvaperumal*, Prabhakar G " Anfis Classifier Based Moving Object Detection and Segmentation in Indoor and Outdoor Environments." Current Signal Transduction Therapy (2019): Vol. 14 (2) pp. 21-30.
- 15. B.Ramasubramanian and S Selvaperumal "Efficient Approach for the Automatic detection of Hemorrhages in Color Retinal Images." IET Image Processing (2018): Vol.12 (9) pp.1550-1554.
- 16. S Selvaperumal, MS Sundari. "A Comparative Analysis of Multicarrier Modulation Strategies for Cascaded H-Bridge Multilevel Inverter." Journal of Computational and Theoretical Nanoscience 14.12 (2017): 6020-6029, ISSN:1546-1955
- 17. Sivakumar Palanisamy, Vairamani Rajasekaran, Sundaramoorthy Selvaperumal "
 Design and Analysis of FPGA Controller Based Pulse Width Modulation Boost
 Rectifier in Marine Applications." Journal of Computational and Theoretical
 Nanoscience 14.12 (2017): 5851-5857, ISSN:1546-1955
- 18. S Selvaperumal, PN Pugazhenthi, A Amudha 2017 "Closed loop performance investigation of various controllers based chopper fed DC drive in marine applications" Indian Journal of Geo-Marine Science, NISCAIR-CSIR, India.
- 19. KS Banu, P Karuppasamy, S Selvaperumal 2017 "Modal based analysis of binary adders with fault tolerance using QCA in marine applications" Indian Journal of GeoMarine Science, NISCAIR-CSIR, India.
- 20. S Selvaperumal, S Muralidharan, P Nedumal Pugazhenthi, G Prabhakar, J Nazaren, Parthiban P Gnanaskanda, P Karuppa Samy- 2017 "Performance Investigation of SHE PWM Implementation of GA Based LCL Resonant Inverter in Marine Applications" Indian Journal of Geo-Marine Science, NISCAIR-CSIR, India.
- 21. Gomathy, V., and S. Selvaperumal. "Fault detection and classification with optimization techniques for a three-phase single-inverter circuit." Journal of Power Electronics 16.3 (2016): 1097-1109.

- 22. S Selvaperumal, PN Pugazhenthi, S. Vijayarajan 2016 "Performance Investigation of Genetic Algorithm Based LCL Resonant Converter in Marine Applications" Indian Journal of Geo-Marine Science, NISCAIR-CSIR, India.
- 23. N Balamurugan and Selvaperumal, S. " Assessment Of Anti-Windup Pi Controlled Induction Motor Drive Using V/F Method." Int J Adv Engg Tech/Vol. VII/Issue I/Jan.-March, 2016: 964-968.
- 24. K.Pounraj and Selvaperumal, S. " Design Of Artificial Neural Network Based Control Scheme For The Management Of The Unified Power Flow Controller In A Single Machine Infinite Bus Bar System." Int J Adv Engg Tech/Vol. VII/Issue I/Jan.-March, 2016: 593-596.
- 25. SP Rajaram, S Selvaperumal. "Evaluation of Steady State Voltage Stability Margin of a Power System Using Search Group Algorithm." Journal of Computational and Theoretical Nanoscience 13.11 (2016): 8326-8332.
- 26. Balamurugan, N., and S. Selvaperumal. "Assessment