

PUBLICATIONS IN LAST FIVE YEARS OF DR.S.SELVAPERUMAL

1. P. Veera Manikandan and **S.Selvaperumal** "EANFIS-based Maximum Power Point Tracking for Standalone PV System" IETE Journal of Research, Published online: 14 Jul 2020 (DOI: <https://doi.org/10.1080/03772063.2020.1788425>)
2. G.Prabhakar, **S.Selvaperumal**, P. Nedumal Pugazhenth, K.Umamaheswari and P.Elamurugan "Online optimization based model predictive control on two wheel Segway system" Elsevier-materials today proceedings, Published online: 15 Jul 2020 (DOI: <https://doi.org/10.1016/j.matpr.2020.06.227>)
3. 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)
4. 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>)
5. 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>)
6. 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).
7. 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).
8. 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>).
9. 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>).
10. Sundaram, Sivagama Sundari Meenakshi, **Sundaramoorthy Selvaperumal**, " A grid-connected 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.
11. 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

PUBLICATIONS IN LAST FIVE YEARS OF DR.S.SELVAPERUMAL

- age-related macular degeneration: a preliminary experiment." *Medical & Biological Engineering & Computing*, Springer Berlin Heidelberg, (2018): 1-11, ISSN: 0140-0118
12. 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).*
 13. Prabhakar Gunasekaran, **Selvaperumal Sundaramoorthy**, Nedumal Pugazhenthii 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.*
 14. G. Prabhakar, **S Selvaperumal** and P. Nedumal-Pugazhenthii. " 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>*
 15. 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.*
 16. 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.*
 17. 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.*
 18. **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*
 19. 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*
 20. **S Selvaperumal**, PN Pugazhenthii, 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.*
 21. KS Banu, P Karuppasamy, **S Selvaperumal** - 2017 "Modal based analysis of binary adders with fault tolerance using QCA in marine applications" *Indian Journal of Geo-Marine Science, NISCAIR-CSIR, India.*
 22. **S Selvaperumal**, S Muralidharan, P Nedumal Pugazhenthii, 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.*
 23. 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.*
 24. **S Selvaperumal**, PN Pugazhenthii,S.Vijayarajan– 2016 "Performance Investigation of Genetic Algorithm Based LCL Resonant Converter in Marine Applications" *Indian Journal of Geo-Marine Science, NISCAIR-CSIR, India.*
 25. 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.*
 26. 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.*
 27. SP Rajaram, **S Selvaperumal**. " Evaluation of Steady State Voltage Stability Margin

PUBLICATIONS IN LAST FIVE YEARS OF DR.S.SELVAPERUMAL

- of a Power System Using Search Group Algorithm." *Journal of Computational and Theoretical Nanoscience* 13.11 (**2016**): 8326-8332.
- 28.** Balamurugan, N., and **S. Selvaperumal**. "Assessment of Energy Efficient Control of Three-Phase Induction Motor." **2015**