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## **1. Publications**

1. N.Kavithamani, N.R.Naharaj, S.S.Sivaraju and **A.Soundarrajan**, “Wind Farms And Conventional Plants Primary Frequency Control Interaction”, International Journal of Applied Engineering Research, Vol. 10 No.64, pp.77-82, 2015
2. Diwakararan M, **Dr.A.Soundarrajan**, Rajesh Nambiar, “Implementation of Virtual Lab using BYOD Concept” , National Journal of Technology, Vol.10., No.5,pp78-85,March,2015.
3. N.R.Naharaj, Bincy.B.Babu, S.S.Sivaraju and **A.Soundarrajan** “A Neural based Control System Used to Improve Energy Production from Alternative Sources”, International Journal of Applied Engineering Research, Vol.10 No.64, pp.21-26, 2015.
4. P.Priya, N.R. Naharaj, s.s.sivaraju and **A.Soundarrajan**, “The Grid Connected Photovoltaic Micro Inverter System Using MPPT”, International Journal of Applied Engineering Research, Vol. 10 No.64 pp.121-125, 2015.
5. K. Thangarajan, **A.Soundarrajan** and K. Sivaramachandran, “Application of an Internal Model Control Schemes For PMSM Speed Regulation Using Fuzzy Adaptive Law”, International Journal of Applied Engineering Research, Vol. 10 No.64, pp.57-62, 2015.
6. K. Thangarajan, **A.Soundarrajan** and Selda Rose K A, “Design of ANFIS Controlled Resonant Converter For Photovoltaic Applications”, International Journal of Applied Engineering Research, Vol. 10 No.64, pp.143-148, 2015.
7. K. Thangarajan, **A.Soundarrajan** and L.Rathidevi, “A Neural Network Based Matrix Converter For Torque Ripple Reduction In PMSM”, International Journal of Applied Engineering Research, Vol. 10 No.64 pp.33-38, 2015.
8. K. Thangarajan, **A.Soundarrajan** and K. Sivaramachandran, “Nonlinear Speed Management For Static Magnet Electric Motor Victimisation Model Prophetical

Management”, International Journal of Applied Engineering Research, ISSN 0973-4562, 2015.

9. K. Thangarajan, **A.Soundarrajan** and K. Sivaramachandran, “Sensorless Speed Control For PMSM Drive Using Model Predictive Control”, International Journal of Applied Engineering Research, Vol. 10 No.64, pp.102-113, 2015.
10. Helen Catherine R.L.,**A.Soundarrajan** and Josephine R.L, “Energy Management and Cost Optimization of Ring frame Unit”, Asian Textile Journal, pp.59-62, Jan,2017.
11. Selvam R, Velavan R & **Soundarrajan A**, ‘A Novel Method for Hybrid Solar/Wind/Battery Power Generation for Rural Electrification System’ International Journal for Research in Applied Science and Engineering, vol. 5, no. X1, pp.211-216,ISSN: 2321- 9651, 2017
12. Helen Catherine, R.L, **A.Soundarrajan** & Josephine, “Enhanced power generation using Index Squaring and Calcudoku methods for partial shaded photovoltaic system”, Journal of Applied Mathematics and Information, Vol.13, No. 2, pp.1-13., 2019.
13. Helen Catherine,R.L, **A.Soundarrajan** & Josephine, “Encompassing Monte Carlo Estimator with fair division method in determination of best suited methods in photovoltaic systems under partial shading condition”, Journal of Electrical Engineering, Vol.23, pp.1-6,2019.
14. J.G.Nataraj Bharath, **A.Soundarrajan**, “Review of Extended Boost qZSI Topologies for Single Phase Applications”, IEEE 60th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Oct’2019.
15. R.Selvam, R.Velavan, **A.Soundarrajan**, “A sustainable energy management soft computing system for photovoltaic/wind hybrid power generation system”, International Journal on Environment and Sustainable Development, Vol. 18, No. 3, 2019
16. J.G.Nataraj Bharath, **A.Soundarrajan**, “Interleaved Single-Phase Quasi-Switched Boost and Active Quasi-Z-Source Inverter”, IEEE 40th International Conference on Electronics and Nanotechnology (ELNANO), April 2020.
17. T.Manoj Kumar and **A.Soundarrajan**, “Energy Demand Prediction Using Linear Regression”, Springer Book Chapter - International Conference on Artificial Intelligence, Smart Grid and Smart City Applications, March, 2020.

18. J.Anuradha and **A.Soundarrajan**, “Long-Term Forecasting of Hybrid Renewable Energy Potential Using Weibull Distribution Method in Coimbatore”, Springer Book Chapter - International Conference on Artificial Intelligence, Smart Grid and Smart City Applications, March, 2020
19. K. Thangarajan, **A.Soundarrajan**, “Performance comparison of permanent magnet synchronous motor (PMSM) drive with delay compensated predictive controllers”, Elsevier Journal on Microprocessors and Microsystems, Vol.75, 2020.