

## **PUBLICATIONS OF Dr.S.S.SIVARAJU**

- 1. Sivaraju, S. S. and Devarajan, N.,“Novel Design of Three Phase Induction Motor Enhancing Efficiency, Maximizing Power Factor and Minimizing Losses”, European Journal of Scientific Research, Vol.58, No.3, pp. 423-432,2011.- (Anna University – Annexure II )- Impact Factor: 0.736**
- 2. Sivaraju, S.S. and Devarajan N. “GA Based Optimal Design of Three Phase Squirrel Cage Induction Motor for Enhancing Performance”, International Journal of Advanced Engineering Technology, Vol.2, Issue IV, pp. 202-206, 2011.**
- 3. Sivaraju, S. S. and Devarajan N.,“Design of Induction Motor Using Multiple Flux Technique”, International Journal of Electrical Engineering, Vol. 5, No. 4, pp. 393-409, 2012. (Anna University – Annexure II )**
- 4. Sivaraju, S. S. and Devarajan N., “ELMA based Design of SCMFIM to Improve the Efficiency and Power Factor”, International Journal of Computer Applications, Vol.43, No.22, pp. 23-29, 2012. Impact Factor: 3.12**
- 5. Sivaraju, S. S. and Devarajan N.,“Improve the Efficiency and Power Factor of 2.2kW, Three Phase, Multi-Flux, Squirrel Cage IM through Optimal Design”, International Journal of Scientific & Engineering Research,’Vol.3, Issue 5, pp 1-8, 2012. Impact Factor: 4.2**
- 6. Sivaraju, S. S., Devarajan N. and Fernando J. T. E. Ferreira, “Performance Analysis of Induction Motor for Optimum Efficiency and Power Factor Using Soft Computing Technique”. International Journal of Electronic and Electrical Engineering Systems, Vol.4, Issue-2, pp. 77-86, Dec. 2012.**
- 7. Sivaraju, S. S., Devarajan N. and Fernando J. T. E. Ferreira, “Performance Improvement of Induction Motor by using Particle Swarm Optimization”. Journal of Electrical Engineering, Vol.13, pp. 112-126, 2013. (Anna University – Annexure I)- Impact Factor: 0.78**

8. **Sivaraju, S.S. and Chandrasekaran V., “Optimum Design of Multiple Winding Induction Motor”, Journal of Theoretical and Applied Information Technology, Vol.65, No. 2, pp. 467-479, July-2014. (Anna University – Annexure II )- Impact Factor: 0.75**
9. **Sivaraju S.S , Manoharan, D.,and Amutha, A. “A Novel Optimization of Stresses acting and Failure Rates with Power Transformers” International Journal of Applied Engineering Research, Volume 10, Number 3, pp. 6233-6240, 2015. (Anna University – Annexure II )- Scopus Journal.**
10. **Rajalakshmi,T.R.and Sivaraju, S.S. “Performance Analysis of Multi Flux Induction Motor using Hybrid Algorithm” International Journal of Applied Engineering Research, Volume 10, No.10, pp.9969-9975,2015. (Anna University – Annexure II )- Scopus Journal.**
11. **Sivaraju S.S , Manoharan, D., Amutha, A. and Shanthosh Kumar. K.” Condition Monitoring and Life Extension of EHV Transformer” International Journal of Applied Engineering Research, Number 10 , No. 55, pp.3277-3280, 2015. (Anna University – Annexure II )- Scopus Journal.**
12. **Vijaya pandian, S., Sivaraju, S.S and Sivaramachandran, K “Three Level VSI based mostly FOC of Induction Motor Drive using Two Switch PFC Rectifier” International Journal of Applied Engineering Research, Number 10 , No. 55, pp.3381-3385, 2015. (Anna University – Annexure II )- Scopus Journal International Journal Publications**
13. **Sivaraju, S.S, Bincy.B.Babu, and Naharaj, N.R. “A Control System Used to Improve Energy Production from Alternative Sources with DC/DC Integration using ANFIS” International Journal of Advanced and Innovative Research (2278-7844) / # 15, Volume 4, Issue 2,pp.16-19, 2015.- Impact Factor: 3.17**
14. **Sivaraju, S.S and Shivakumar,B.S. “Design and Performance of Cost Effective BLDC Drive Using Fuzzy Logic” International Journal of Applied Engineering Research, Volume 10, Number 5 , pp. 12813-12824, 2015. (Anna University – Annexure II )- Scopus Journal.**

15. Murugan, S. and Sivaraju, S.S. **“Estimation and Analysis of Thermal Effect in Multi Flux Induction Motor Under Finite Element Method”** International Journal of Applied Engineering Research, Vol.10, No.38, pp. 29163-29169, 2015. (Anna University – Annexure II )- Scopus Journal.
16. Priya, P., Naharaj, N.R., Sivaraju, S.S. and A. Soundarrajan, A. **“The Grid Connected Photovoltaic Micro Inverter System using MPPT”** International Journal of Applied Engineering Research, Vol. 10, No.64, pp. 121-125, 2015. (Anna University – Annexure II ) - Scopus Journal.
17. Naharaj, N.R., Bincy.B.Babu , Sivaraju, S.S. 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. (Anna University – Annexure II )- ScopusJournal.
18. Kavithamani,N., Naharaj, N.R., Sivaraju, S.S. 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. (Anna University – Annexure II ) - Scopus Journal.
19. Bhuvanasree. J.and Sivaraju, S. S. **“ The Design of Monitoring System Based on CAN Bus”** International Journal of Applied Engineering Research, Vol. 10, No.64, pp. 18-20, 2015.(Anna University – Annexure II ) - Scopus Journal.
20. Sivaraju, S.S and Murugan, S. **“Grid Connected Hybrid System Based On Boost Inverter”** International Journal of Applied Engineering Research, Vol. 10, No.64, pp. 95-101, 2015.(Anna University – Annexure II ) - Scopus Journal.
21. Rajalakshmi,T.R. and Sivaraju, S.S. **“Speed Control of Induction Motor Using SVPWM”** International Journal of Applied Engineering Research, Vol. 10, No.64, pp. 137-142, 2015.(Anna University – Annexure II ) - Scopus Journal.
22. Daniel Jose, S.S. Sivaraju and M.Nagaraj **“Transformerless, 11-Level DC/AC Hybrid Topology with Quasi Z Source Network Based on Single**

**DC Source for Photo Voltaic Applications"** International Journal of Control Theory and Applications, Vol.9, No.5, 2016. (**Anna University – 2016 updated Annexure- II) - Impact Factor: 0.74.**

**23.S.S.Sivaraju,M.Nagaraj and T.Sivarama Sumbramani "Implementation of Buck-Flyback Converter for Improving Power Factor in Switched Reluctance Motor"** International Journal of Control Theory and Applications, Vol.9, No.5, 2016. (**Anna University – 2016 updated Annexure- II) - Impact Factor: 0.74**

**24.S.Anila, Sivaraju, S.S and N.Devarajan “ A New Contourlet Based Multiresolution Approximation for MRI Image Noise Removal” Springer-National Academic Science, Vol. 10, No.64, pp. 137-142, June- 2016. (Anna University – 2017 updated Annexure- I) – Impact Factor:0.391(SNIP:.0.505)**

**25.S.S. Sivaraju D. Jayanthi and K. Thangarajan “Analyzing The Effect of Dynamic Loads on Economic Dispatch in the Presence of Interline Power Flow Controller using Modified Bat Algorithm”** International Journal On Engineering Technology and Sciences, Vol. 3, Issue 12, pp. 69-79, Dec.2016.

**26.S.Suganya and Sivaraju “ IoT Based Home Automation System using Raspberry Pi-3I”** Journal of Recent Research in Engineering and Technology, Vol. 4, Issue 11, pp. 1-7, Nov-2017.

**27.S.S. Sivaraju R.Ganesan, B.Sajitha & S.Senthilkumar “Speed Control of Brushless DC Motor Using GA Controllers”,** International Journal of Research, Volume-VIII, Issue- V, pp.2701-2704, May -2019.

**28.Deebika Devi A R and S.S.Sivaraju “Transformer Load Management By Internet of Things (IOT)”** Asian Journal of Applied Science and Technology (AJAST), Volume 3, Issue 2, Pages 50-56, pp. 50- 56, April - June 2019

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- 30.V.Kowsika and Dr.S.S.Sivaraju “ IoT Enabled Accident Prevention System Using IFTTT Cloud Server”** International Journal for Research in Engineering Application & Management (IJREAM) *ISSN : 2454-9150* Vol-05, Issue-09, Dec 2019.
- 31.Dr. B. Vaikundaselvan, Dr. S.S. Sivaraju, Dr. N. Prakash and Periyannayagi “PWM Strategy for Three Phase Voltage Source Inverter With Minimum Harmonic Distortion”** International Journal of Electrical Engineering and Technology (IJEET), Volume 11, Issue 2, March-April 2020 (Scopus Indexed Journal).
- 32.Dr. B. Vaikundaselvan, Dr. N. Prakash, Dr. S.S. Sivaraju and S. Ashokkumar “Power Factor Correction by Bridgeless Buck Boost Converter”** International Journal of Electrical Engineering and Technology (IJEET), Volume 11, Issue 2, March-April 2020 (Scopus Indexed Journal).
- 33.Dr. B. Vaikundaselvan, Dr. S.S.Sivaraju Dr. N. Prakash, and P. Palraj “Design and Analysis of MPPT Based Buck Boost Converter for Solar Photovoltaic System”** International Journal of Electrical Engineering and Technology (IJEET), Volume 11, Issue 2, March-April 2020 (Scopus Indexed Journal).