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International Journal Publications

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
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)- Scopus Journal.
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
29. **S.S. Sivaraju** , R.Ganesan, B.Sajitha, **S.S. Sivaraju**, and Dr.Senthilkumar “ **Speed Control of Brushless DC Motor Using GA controllers**”, International Journal of Research , Volume VIII, Issue V, pp. 2701-04, May-2019.

International Conferences

1. **Sivaraju, S.S.** and Devarajan N., “**Energy reduction in induction motor drives using fuzzy controller**”, International conference on Intelligent Information systems and Management on June 2010.
2. **Sivaraju, S.S.** and Devarajan N., “**Optimal Design of Three Phase Induction Motor enhancing efficiency**” International conference on Intelligent Information systems and Management on July 2011.
3. **Sivaraju, S.S.**, Fernando J. T. E. Ferreira and Devarajan N., “Genetic Algorithm Based Design Optimization of a Three-Phase Multiflux Induction Motor”, **IEEE International conference ICEM’12, Marseille-France**, sep.2012.
4. **Sivaraju, S.S.** “**Performance Improvement of Induction Motor by using Particle Swarm Optimization under Finite Element Method**” International conference on Recent Advances and Innovations in Engineering and Technology (ICRAIET’15) on March -2015.
5. **Sivaraju, S.S.** and Murugan, S., “**Estimation and Analysis of Thermal Effect in Multi-Flux Induction Motor under Finite Element Method**” International conference on Advances in Computing, Control, Communication, Automation and Structural Engineering (ACCCAS-2015) on April -2015.
6. **Sivaraju, S.S.** and Shanthosh Kumar. K “**Condition Monitoring and Life Extension of EHV Transformer**” International conference on Advances in Applied Engineering and Technology (ICAAET-2015) on May -2015.

7. **Sivaraju, S.S. and Nagaraj .M “Power Quality Improvement in switched Reluctance Motor using Hybrid Converter” 3rd International conference on Renewable Energy Utilization (ICREU-2016) on Jan.2016.**
8. **Sivaraju, S.S. and Nagaraj .M “Modified SVPWM based Torque Ripple Reduction in Permanent Magnet Synchronous Motor” IEEE International Conference on Innovations in Green Energy and Healthcare Technologies (IGEHT-17) on March -2017.**
9. **Sivaraju. S.S. and R. Ganesan “Performances Analysis of BLDC Drive using Intelligent Controllers” IEEE International Conference on Innovations in Green Energy and Healthcare Technologies (IGEHT-17) on March 16th-18th March 2017.**
10. **Sivaraju. S.S. and R. Ganesan “Performances Analysis of Brushless DC Drive using Intelligent Controllers” 4th International Conference on Electrical, Electronics, Instrumentation and Computer Communication (E²IC²), on 19th-20th January 2018.**
11. **Sivaraju, S.S. and N. Israthali “Performance monitoring and Analysis for Life Extension of High Rating Power Transformer” 5th International Conference on Knowledge Collaboration in Engineering (ICKCE2018), on 24th & 25th March -2018.**
12. **Sivaraju, S.S "Optimal Location Selection Based on Modified Firefly Algorithm for Improved Robustness And Imperceptibility" International Convention on Innovative Scientific Research Strategies (ICISRS 2018), University Technology MARA, Malaysia, 20th October 2018.**
13. **Sivaraju. S.S. and R. Ganesan “Intelligence Controller Based Analysis and control of BLDC Motor” International Conference on Knowledge Collaboration in Engineering. (ICKCE’19) on 9th March 2019.**
14. **Sivaraju. S.S. “ANFIS Based Multi-Sector Space Vector PWM Scheme for Sensorless BLDC Motor Drive” International Conference on Knowledge Collaboration in Engineering. (ICKCE’19) on 9th March 2019.**
15. **Sivaraju. S.S. and R. Ganesan “Design and Simulation of BRUSHLESS dc Motor using Genetic Algorithm” International Conference on Science , Technology, Engineering and Management (ICSTEM’19) on 22&23 March 2019.**
16. **Sivaraju. S.S. and R.Ganesan “ASVPWM Scheme for Speed Control of Sensorless BLDC Motor Drive” International Conference on "Multidisciplinary Innovations and Research"(ICMIR 2019), Assumption University, Thailand on 4th & 5th October 2019.**

No. of Paper presented in National Conferences: 8