

Name: Dr.T.Gunasekar
 Designation: Professor
 Department: Electrical and Electronics Engg
 Institution Name: Kongu Engineering College
 Contact No: 9789090057
 Email: gunasekar@kongu.ac.in
 Specialization: Power Electronics and Drives

LIST OF PUBLICATIONS

1. T.GunaSekar and Dr.R.Anita, 'Design and Implementation of solar PV for power quality enhancement in three-phase four-wire distribution system', Journal of Electrical Engineering and Technology(JEET), South Korea, vol.10. no.1, 2015.
2. T. GunaSekar and Dr.R. Anita, 'Tuning of PI Controller for Power Quality Enhancement in Distribution System using GA and PSO', International Journal of Applied Engineering Research, vol.9, no.24, 2014.
3. T.GunaSekar and Dr.R.Anita, "PI-Fuzzy Hysteresis Controller based Unified Power Quality Conditioner", International Journal of Engineering Trends and Technology, vol. 8, no. 8, 2014.
4. T.GunaSekar and Dr.R.Anita, 'Design of UPQC by Optimizing PI Controller using Genetic Algorithm and Particle Swarm Optimization for Improvement of Power Quality", International Journal of Engineering and Technical Research, vol. 2, no. 4, 2014.
5. T.GunaSekar and Dr.R.Anita, "Fuzzy Controller based Neutral current harmonic suppression in distribution system ", International Journal of Engineering and Technology, vol.5, no.5, 2013.
6. T.GunaSekar and Dr.R.Anita, "Improvement of Power Quality in distribution System using Fuzzy-Unit Vector Controller", International Review on Modelling and Simulations, vol. 6, no. 6, 2013.
7. T.GunaSekar and Dr.R.Anita, "A Novel Control Strategy for Series Active Filter in Distribution System using Unit Vector Control", International Journal of Computer Applications, vol.65, issue no.19, March 2013.
8. T.GunaSekar and Dr.R.Anita, "Series active power filter for three phase four wire distribution system using artificial Neural Network", European Journal of Scientific Research, vol.79, issue no.3, June 2012.
9. T.GunaSekar and K.Cibimuthu, "A Novel approach for Blood Tests based on Image Processing Techniques", International Journal of Advanced Research in Electronics and Communication Engineering, vol.4, no.2, pp 314-317, February 2015.
10. S.Shoba, T.GunaSekar and A.Amuthaval, "Classification and Identification of Fault location and Direction by Directional Relaying schemes using ANN", International

Journal of Emerging Technology in Computer Science and Electronics, vol.20, n0.2, pp.29-33, February 2016.

11. P.Tamilshankar and T.GunaSekar, "Computer Aided Diseases Identification for Betal Leafs", International Research Journal of Engineering and Technology, vol.02, n0.9, pp.2577-2581, December 2015.
12. L.Karthikeyan and T.GunaSekar, "Design of Low Power Pulse Triggered using Conditional Pulse Enhancement Scheme", International Journal of Modern Communication Technologies & Research, vol.2, no.1, pp.5-8, January 2014.
13. G.Prabhakaran and T.GunaSekar, "Mitigation of Power Quality Problems with Reduced Switches Using Unified Power Quality Conditioner", International Journal of Engineering Studies and Technical Approach, vol.2, no.2, pp.81-97, March 2015.
14. K.G.Anurekha and T.GunaSekar, "Simulation of Current Harmonic Compensation using series active filter in Distribution System", International Journal of Engineering and Technical Research, vol.01, n0.10, pp.19-25, December 2013.
15. T.GunSekar, G.Prabhakaran and S.JanaRanjini, "Power Quality Enhancement in Three-Phase Four-Wire Distribution System using Vector Fuzzy Controller", International Journal of Applied Engineering Research, vol.10, no.01, pp. 1094-1100, March 2015
16. S.Mahendra Kumar and T.GunaSekar, "Cross-Layer Design for Energy Efficient Multicast video transmission over Mobile Ad-HOC Networks", Asian Journal of Research in Social Sciences and Humanities, vol.6, no.9, pp.719-734, September 2016
17. T.GunaSekar, Dr.R.Anita and R.Chandrasekar, "A New Control method for Series Active Filter in Distribution System using Unit Vector Control", International Journal of Computer Applications, vol.65, no.19, pp.8-14, March 2013.
18. U.Jayalakshmi and T.GunaSekar, "Optimization based Congestion Management using Price based Demand Response Programs", Journal of Electrical and Power System Engineering, vol.03, no.01, pp-19-27, March 2017.
19. K.SenthilPrakash and T.GunaSekar, "Power AwarQos Management in Nide-Disjoint Multipath Routing Protocol for Mobile Adhoc Networks", Asian Journal of Research in Social Sciences and Humanities, vol.6, no.10, pp.524-534, October 2016.
20. K.SenthilPrakash and Dr.T.Gunasekar, "A survey on End-to-End performance metrics of QoS-aware multicast routing protocols for mobile ad hoc networks", International Journal of Networking and Virtual Organizations, Vol.16, No.3, pp. 283-297, 2016.
21. K.Mohanaprakash and T.Gunasekar, " Smart Alarm System for Women Security", International Journal of Engineering and Management Research,
22. Dr.T.Gunasekar, R.Sharmila, P.Sripavithra, M.Dhinesh, "Industrial Accident Prevention and Hybrid Pollution Control System", International Journal for research in Applied Science & Engineering Technology, Volume-7, Issue-3, pp.81195-1201, March 2019.
23. K.SenthilPrakash and Dr.T.Gunasekar, "Enhancing Network Duration by Secured node Disjoint Clustering for Mobile Adhoc Network", Applied Mathematics & Information Sciences, September 2019 .

24. S.Mahendrakumar and Dr.T.Gunasekar, "An Analyzing of Cross Layer Design for Implementing Adaptive Antenna Technique in Mobile Ad-Hoc Networks", Journal of Testing and Evaluation, Volume-47, Issue-6, pp.4128-4140, November 2019.
25. P.Tamilarasu, V.Kumaresan, Dr.T.Gunasekar, Dr.T.Logeswaran, M.Suresh, "Design of Automated Vehicle Fueling System", International Journal of Recent Technology and Engineering, November 2019.
26. Dr.T.Gunasekar, C.Gopinath, N.Manoj, A.D.Naveena and T.Nandhini, "Smart Monitoring Vehicle for Bore Well Vehicle", International Journal of Scientific and Technology Research, February 2020.
27. Mr.V.Kumaresan, Dr.T.Gunasekar, P.Tamilarasu and P.Karthikeyan, "Development of Autonomous Machine for Rice Planting", International Journal of Scientific and Technology Research, February 2020.
28. MS. P. Kokila, T. Mohana, D. Indumathi, A. Deepika, M. Mohanaselvi and Dr.T.Gunasekar, "Analysis of Gain and Directivity of 5.6ghz Microstrip Patch Array Antenna", Bioscience Biotechnology Research Communications, Volume 13, No.04 (Special Issue), pp.146-149, June 2020.