

Publications

Papers published in International journals

1. V Vinothkumar, R Kanimozhi “Power flow control and power quality analysis in power distribution system using UPQC based cascaded multi-level inverter with predictive phase dispersion modulation” Journal of Ambient Intelligence and Humanized Computing, Springer, June 2020, **IF: 4.594**
2. V Vinothkumar, R Kanimozhi, N Jaya “Performance of cobalt oxide/carbon cloth composite electrode in energy generation from dairy wastewater using microbial fuel cells” Sustainable Environment Research, Springer, Vol.30 Issue 16, 2020 PP.1-8 **SJR-1.097**
3. Ganesh Selvaraj, Velayudham Thangaiyan, Kanimozhi Rajangam “Numerical method for islanding the location of ground fault in the material based distribution system” Materials today proceedings, 2020. **SJR – 0.304.**
4. Ganesh Selvaraj, Kanimozhi Rajangam “Multi-objective grey wolf optimizer algorithm for combination of network reconfiguration and D-STATCOM allocation in distribution system” International transaction on Electrical Energy Systems, Wiley online library, Vol.29, Issue 11, 2019. **IF 1.692.**
5. S Ganesh, R Kanimozhi “Meta-heuristic technique for network reconfiguration in distribution system with photovoltaic and D-STATCOM” IET Generation, Transmission & Distribution, Vol.12, issue 20, PP.4524-4535, 2018 **IF 2.864**
6. **Kanimozhi, R& Selvi, K**, ‘An Efficient Method for Contingency Ranking Using Voltage Stability Index in Power System’ Journal of Electrical System 11-3 (2015): 353-366, **0.227 SJR&Scopus indexed.**
7. **Kanimozhi.R, Selvi.K** and R.Prabakaran, ‘Optimum Sizing and Siting of TCSC using random weighted - Genetic Algorithm in power system’ published to accept December 2016 issue ,Scientific Bulletin, Series C, Electrical Engineering and Computer, university Politechnical of Bucharest. **0.21 SJR & Scopus indexed.**
8. S.Ganesh, Janani Gayathri. , **R. Kanimozhi**, ‘Modelling and control of micro grid with solar system’ Journal of Chemical and Pharmaceutical Sciences ISSN: 0974-2115 Volume 9 Issue 1 March 2016 pp 180-182, **0.123 SJR&Scopus indexed.**
9. S.Nirmala , S.Ganesh , **R. Kanimozhi** ‘Efficient method used for locating fuel cell based distributed generation in distribution system’ International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Volume 23 Issue 2 – JUNE 2016 (SPECIAL ISSUE)

10. S.Ganesh, **R. Kanimozhi**, “An effective soft computing technique for network configuration in distribution system”,IEEE Explore digital library **ISBN:** 978-1-4673-9546-5,26 January 2017.
11. S Ganesh, **R Kanimozhi**,”Multi Objective Approach for Capacitor Placement Based on Load Balancing Index in Radial Distribution System” Journal of Computational and Theoretical Nanoscience volume15,Issue 1 Pages282-288 Jan 2018 sPublisher American Scientific Publisher

Papers presented in Seminars/ Conferences/

Symposia:(Last 5 years)

International Conferences:

1. **R. Kanimozhi**, “Contingency analysis of power system”, paper presented in 2nd International Conference in engineering technology held at Department of EEE, Mount Zion College of Engineering and Technology, Pudukkottai, March23-24, 2015.
2. S.Ganesh, JananiGayathri, **R. Kanimozhi**, “Modeling and control of micro grid with solar system”, paper presented in International Conference on Recent Advancement in Materials held at Department of Physics, BIT Campus, Anna University, Trichy, October 16& 17, 2015.
3. S.Nirmala , S.Ganesh , **R. Kanimozhi** ‘Efficient method used for locating fuel cell based distributed generation in distribution system’International Conference on Innovative and Emerging Trends in Engineering and Technology held at Panimalar Institute of Technology, Chennai, May 7, 2016.
4. S.Ganesh, **R. Kanimozhi**, “An effective soft computing technique for network configuration in distribution system”, paper presented in IEEE International Conference on Advanced Communication Control and Computing Technologies held at Department of EEE, Syed Ammal Engineering College, Ramanathapuram, May25-27, 2016.
5. M.Muthupriya,**R.Kanimozhi** , ‘Closed Loop Control Of Current Fed Switched Inverter’ paper presented in International Conference on Emerging trends in

Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24-26 2016.

6. V.Vinothkumar,**R.Kanimozhi**, 'Power Management System For Microbial Fuel Cells – A Review' paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24-26 2016.
7. B.Prakash Ayyappan,**R.Kanimozhi**, 'Fire Fly based Multi Area Multi Source Automatic Generation Control 'paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24-26 2016.
8. S. Ganesh, **R.Kanimozhi**, Devaraj and Parasuram, 'Identification Of Weak Buses In Radial Distribution System Using Voltage Stability Index' 'paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24-26 2016
9. U.Thiruppathi,**R.Kanimozhi** "STATCOM With Bess-Control Scheme Based Power Quality Improvement In Wind Generator" paper presented in International Conference on Emerging trends in Electrical Electronics and Communication Engineering held at Department of EEE and ECE, BIT Campus Anna University ,Tiruchirapalli, Sep 24 -26 2016.
10. T.Velayutham,S.Ganesh,Dr.R.Kanimozhi "Location Ground Fault in Distribution Systems using Smart Meter" presented paper in IEEE International Conference on Electronics, Communication and Aerospace Technology (ICECA 2017) held during 20-22 April 2017 at RVS Technical Campus, Coimbatore.
11. V.Vinothkumar, Dr.R.Kanimozhi "Energy Harvesting from Dairy Wastewater using Multi-anode Microbial Fuel Cell System" paper presented in Asia-ocenia Sonochemical Society Conference (AOSS-3) held at SRM University,Chennai from 14-16th September,2017

National Conferences/ Symposia:

1. **R. Kanimozhi**, “Soft computing techniques used in power system”, paper presented in National level technical symposium held at University College of Engineering, Ariyalur, September 5, 2014.
2. **R. Kanimozhi**, “Multi objective optimization technique for contingency ranking using NVSI in power system” paper presented in 2nd National conference on recent trends in information, communication and power system at Maharaja college of Engineering, Perundurai, 2015
3. B.Karthiga Vigneswari, **Dr.R.Kanimozhi** “Optimal Placement and Sizing of Distributed Generation Using Optimization Techniques – Review” paper presented in TEQIP II SPONSORED National Conference on Electrical Systems and Renewable Energy [NESR’17] 24th – 25th , March 2017 at University College of Engineering, Trichy.
4. R.Priyadharsini,**Dr.R.Kanimozhi**, “ A Review on Operation of Microgrid and Control Techniques of Power Converter”paper presented in TEQIP II sponsored National Conference on Electrical Systems and Renewable Energy [NESR’17] 24th – 25th , March 2017 at University College of Engineering, Trichy.
5. A.Jeyaprakash, V.Vinothkumar,**Dr.R.Kanimozhi**, “A Review on Fuel Cells and Biological Fuel Cells with Analysis of Industrial Effluents”paper presented in TEQIP II sponsored National Conference on Electrical Systems and Renewable Energy [NESR’17] 24th – 25th , March 2017 at University College of Engineering, Trichy.
6. T.Velayutham, S.Ganesh, **Dr.R.Kanimozhi**, “Locating Ground Fault in Distribution Systems Using IED”paper presented in TEQIP II sponsored National Conference on Electrical Systems and Renewable Energy [NESR’17] 24th – 25th , March 2017 at University College of Engineering, Trichy.