

Name : **Dr.A.RAMKUMAR**
Designation : **Assistant PROFESSOR**
Department : **ELECTRICAL AND ELECTRONICS ENGINEERING**
University/Institute : **KALASALINGAM UNIVERSITY**
Place & Pin code : **KRISHNANKOIL-626126**
Phone no : **9486286843**
Mail id : **a.ramkumar@klu.ac.in**

International Journals

1. Nisha Vasudevan, Vasudevan Venkatraman, Ramkumar A and Androse Joseph Sheela, **“Real-Time Day Ahead Energy Management for Smart Home Using Machine Learning Algorithm”**, Journal of Intelligent and Fuzzy Systems, IOS Press. (Accepted)
2. A. Ramkumar , K. Karthi , K. Rajesh, **“Review of Coordinated Control Strategy for Hybrid Type Wind Farms Under Network Faults”** International Journal of Advanced Science and Technology Vol. 29, No.4, (2020), pp. 4143 – 4152.
3. Ramkumar Adhi, Rajesh Krishnasamy, M. Nitish, S. Yashwant Kumar, D. Edwin Deva Asirvatham, Booma Jeyabalan, **“Improving the Performance of Agriculture Irrigation System using Arduino”**, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4S2, 2019.
4. Nisha.V, V.Vasudevan, A.Ramkumar, **“Examination of The Impact of Smart Grid Technologies For Energy Saving Potential on Residential Buildings In India”**, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S2, 2019.
5. Sreekala P, A Ramkumar , K.Rajesh, **“Performance Analysis of Thermo Electric Generator using MATLAB”**, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4S2, 2019.
6. G.Esakkimuthu, Rajesh Krishnasamy, Ramkumar Aathi, **“Hybrid System Analysis using Solar and Wind Power”**, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4S2, 2019.
7. Nisha.V, V.Vasudevan, A.Ramkumar, **“Modeling and Simulation of a Control Algorithm for Home Energy Management System”**, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4S2, 2019.

8. G.Esakkimuthu, Rajesh Krishnasamy, Ramkumar Aathi, **“Partial Shading Conditions of Solar Photovoltaic System”**, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4S2, 2019.
9. Rajesh Krishnasamy, Ramkumar Aathi, Booma Jayapalan, K.Karthikeyen , Mohamed Nowfal, **“Automatic Fuel Monitoring System”**, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4S2, 2019.
10. Kshatriya Vamshi Krishna Varma, A. Ramkumar, **“ A Novel M-SEPIC DC-DC Converter for BLDC Pumping System with Active PFC using ANFIS Controller”**, Indonesian Journal of Electrical Engineering and Computer Science Vol. 11, No. 1, 2018, pp. 386~399 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v11.i1.pp386-399.
11. P. Sreekala, A. Ramkumar, **“Performance Analysis Of Thermo Electric Generator With Different Controllers”**, International Journal of Current Engineering And Scientific Research, ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, VOLUME-4, ISSUE-11, 2017.
12. A. Ramkumar, P. Sreekala, **“Modelling and Simulation of a Line Integrated Parabolic Trough Collector with Inbuilt Thermoelectric Generator”**, International Journal of Control Theory and Applications, Vol. 10(5), 2017, pp. 589-597.
13. Kshatriya Vamshi Krishna Varma, Kalahasti Sirisha, and A. Ram Kumar, **“A New Switching Pattern Scheme-Based Compact Integrated 15-Level Smart Inverter for Micro-grid System Using Fuzzy Logic Controller”**, Lecture Notes in Electrical Engineering 435, https://doi.org/10.1007/978-981-10-4286-7_23.
14. A. Ramkumar, S. Durairaj and N. Arun, **“Comparison of PI and PIR Regulators for DFIG during Unbalanced Grid Voltage Conditions,”** Lecture Notes in Electrical Engineering (SPRINGER), 326, DOI 10.1007/978-81-322-2119-7_38, pp. 373-381, 2015.
15. A. Ramkumar, S. Durairaj and K. Dhivya, **“Enhanced Controllers of DFIG with Unbalanced and Distorted Grid Voltage Conditions,”** Lecture Notes in Electrical Engineering (SPRINGER), 326, DOI 10.1007/978-81-322-2119-7_32, pp. 313-319, 2015.
16. A. Ramkumar, S. Durairaj and N. Arun, **“PIR Regulator using DTC for DFIG during Unbalanced Grid Voltage Conditions,”** Applied Mechanics and Materials, Vol. 626 (2014), pp. 136, doi:10.4028/www.scientific.net/AMM.626.136.
17. A. Ramkumar, S. Durairaj and K. Dhivya, **“Behavior of DFIG with direct torque controller at unbalanced and distorted grid voltage conditions,”** Applied Mechanics and Materials, Vol. 626 (2014), pp. 150, doi:10.4028/www.scientific.net/AMM.626.150.
18. A. Ramkumar and S. Durairaj, **“Analyzing Load Response of Interconnected Vector Controlled DFIG with SEIG and Synchronous Generator,”** International Journal of Advances in Engineering & Technology, vol. 6, issue. 4, pp. 1775

International Conferences

1. G. Essakimuthu, K. Rajesh, A. Ramkumar, **“A Review on Development of MPPT and Control Strategy of Solar Photovoltaic Water Pumping System”**, International Web Conference on Smart Engineering Technologies 2020 (IWCSET-2020), Ramco Institute of Technology, Rajapalayam, 28-29, June 2020.
2. Rajesh. K. Ramkumar. A, Poorna Jeyabalan, **“Application of Comprehensive Learning Particle Swarm Optimization to Least Cost Generation Expansion Planning Problem with Solar Plant”**, IEEE-International Conference on Clean Energy and Energy Efficient Electronics Circuit for Sustainable Development (INCCES), Kalasalingam Academy of Research and Education, pp: 21-25, Dec-18-20, 2019, DOI: [10.1109/INCCES47820.2019.9167689](https://doi.org/10.1109/INCCES47820.2019.9167689).
3. Kshatriya Vamshi Krishna Varma, Ramkumar. A, Rajesh. K, **“Grid Integrated Eco-Friendly Pumping System for Active PFC Using Interleaved Boost Converter (IBC) Topology”**, IEEE-International Conference on Clean Energy and Energy Efficient Electronics Circuit for Sustainable Development (INCCES), Kalasalingam Academy of Research and Education, pp: 51-59, Dec-18-20, 2019, DOI: [10.1109/INCCES47820.2019.9167711](https://doi.org/10.1109/INCCES47820.2019.9167711).
4. P. Sreekala, Ramkumar. A, Rajesh. K, **“Thermo Electric Generator fed LVDC System analyzed with non Linear Loads”**, IEEE-International Conference on Clean Energy and Energy Efficient Electronics Circuit for Sustainable Development (INCCES), Kalasalingam Academy of Research and Education, pp: 163-166, Dec-18-20, 2019, DOI: [10.1109/INCCES47820.2019.9167705](https://doi.org/10.1109/INCCES47820.2019.9167705).
5. V. Dhanesh Menon, J. Trilok kumar, M. Sabhanayagan, A. Ramkumar, K. Rajesh, **“Cyber Security for Smart Meters”**, 2019 IEEE International Conference on Intelligent Techniques in Control, Optimization and Signal Processing (INCOS), Kalasalingam Academy of Research and Education, 2019, DOI: [10.1109/INCOS45849.2019.8951407](https://doi.org/10.1109/INCOS45849.2019.8951407).
6. K. Karthi, A. Ramkumar, **“A Review of Wind Electric Generators from Electrical Perspective”**, IEEE International Conference on Electrical, Electronics, Computer, Communication, Mechanical and Computing (EECCMC), Priyadharshini Engineering College, Vaniyambadi, 28-29, Jan. 2018, 978-1-5386-4304-4/18/.
7. **“Performance Analysis and Corroboration of Improved Electronic Ballast for Fluorescent Lamp”**, in International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017), Pondicherry Engineering College, Pondicherry during 24-25 February 2017.
8. **“Modeling and simulation of a line integrated parabolic trough collector with inbuilt thermoelectric generator”**, in 2nd International Conference on Smart Electric Grid, K L University Andhra Pradesh during 22-23, Dec. 2016.

9. **“A New Switching Pattern Scheme Based Compact Integrated 15-Level Smart Inverter for Micro-Grid System using Fuzzy Controller”**, 1st Springer International Conference on Emerging Trends and Advances in Electrical Engineering and Renewable Energy, Sikkim Manipal Institute of Technology, Majhitara, Sikkim during 17th -18th Dec. 2016.
10. **“PIR regulator using DTC for DFIG during unbalanced grid voltage conditions”**, in International Conference on Energy Efficient Technologies for sustainability, St. Xavier’s Catholic College of Engineering, Nagercoil, during April 7-9, 2014.
11. **“Behavior of DFIG with DTC at unbalanced and distorted grid voltage conditions”**, in International Conference on Energy Efficient Technologies for sustainability, St. Xavier’s Catholic College of Engineering, Nagercoil, during April 7-9, 2014.
12. **“Comparison of PI and PIR regulators for DFIG during unbalanced grid voltage conditions”**, in IEEE International Conference Power Electronics and Renewable Energy Sources (SPRINGER), Rajalakshmi Engineering College, Chennai, during April 24-26, 2014.
13. **“Enhanced Controllers of DFIG with unbalanced and distorted grid voltage conditions”**, in IEEE International Conference Power Electronics and Renewable Energy Sources (SPRINGER), Rajalakshmi Engineering College, Chennai, during April 24-26, 2014.
14. **“Controls in Doubly Fed Induction Generator at balance and Unbalance Conditions”**, in IEEE International Conference on Computation of Power, Energy, Information and Communication, Adhiparasakthi Engineering College, Melmaruvathur, during 17-18, April 2013.
15. **“Coordinated Control of Interconnected Hydro Governor Synchronous Generator with SEIG”**, in IEEE International Conference on Power, Energy and Control, Organized by PSNA College of Engg and Tech., Dindigul, during Feb. 6-8, 2013.
16. **“Analyzing the Behaviour of Long and Short Shunt SEIG with the Grid Connected System”**, in International Conference on Computing Techniques, Embedded Systems and Drives, Organized by PPG Institute of Technology, Coimbatore, during March 7-9, 2012, Vol.1, Page. 169-176.
17. **“An Analysis of Transient Characteristics of Interconnected DFIG with Hydro Governor Synchronous Generator”**, in IEEE Sponsored International conference on Power, Signals, Control and Computations, EPSCICON 2012, Vidya Academy of Science and Technology, Thrissur during Jan 2-6, 2012, Page. 1-10, ISBN: 978-1-4673-0446-7.

18. **“Performance Analysis of Doubly fed Induction Generator during Short Circuit Conditions”**, in International Conference on System Dynamics and Control ICSDC-2010, Manipal Institute of Technology, during Aug 19-22, 2010.

National Conferences

1. **“Near Field Communication on Raspberry Pi”**, FIFTH NATIONAL CONFERENCE ON POWER AND ENERGY SYSTEMS – NPES’18, Dept. of EEE, KARE, 12-13 April 2018, pp. 88-91.
2. **“Mathematical Modeling and analysis of Thermo Electric Generator”**, FIFTH NATIONAL CONFERENCE ON POWER AND ENERGY SYSTEMS – NPES’18, Dept. of EEE, KARE, 12-13 April 2018, pp. 28-30. **(Selected as a Best paper)**
3. **“Fire Fighting Drone”**, FIFTH NATIONAL CONFERENCE ON POWER AND ENERGY SYSTEMS – NPES’18, Dept. of EEE, KARE, 12-13 April 2018, pp. 122-124.
4. **“Recent Power Generation and Usage by Renewable Resource Energy in India”**, FIFTH NATIONAL CONFERENCE ON POWER AND ENERGY SYSTEMS – NPES’18, Dept. of EEE, KARE, 12-13 April 2018, pp. 161-168.
5. **“Closed Loop Control of SVPWM based STATCOM with Renewable Energy”**, 33rd National Convention of Electrical Engineers NCEE 2017, 24-25, November 2017, held at NIT-T organized by IEE-TLC, Tiruchirappalli, PP. 136-139.
6. **“Study of Optimal Sizing techniques in Hybrid PV-Wind Energy Conversion Systems”** in National Conference on Power and Energy Systems NPES-’16, Kalasalingam University, April 1-2, 2016.
7. **“Real and Reactive Power Flows of DFIG with an External Faulty Condition”**, in National Power Engineering Conference NPEC-2010, Thiagarajar College of Engineering, Madurai, Dec 2-3, 2010.
8. **“Embedded Web Server Based Robotic Vehicle Control”**, in National Conference on Internet and Multimedia Communication IMC-2008, R.V.S. College of Engineering, Dindigul, March 27 and 28, 2008.
9. **“Wireless Network of Remote CAN segments”**, in National Conference on Internet and Multimedia Communication IMC-2008, R.V.S. College of Engineering, Dindigul, March 27 and 28, 2008.
10. **Power System damping using Fuzzy controlled FACTS devices (SVC and UPFC)”**, in National conference on Emerging Technologies in Electrical System, Noorul Islam College of Engineering, Kumaracoil, 10th & 11th March 2006.

11. **“Modeling and Analysis of Custom Power Devices using PSCAD/EMTDC”**, in National conference on Technological Development in Power sector, Adhiyamaan College of Engineering, Hosur, 23rd & 24th Feb 2006.
12. **“Real time implementation of ATM Network”**, in National conference on High Performance Computing, Government College of Engineering, Tirunelveli, 5th April 2006.
13. **“Generation Expansion Planning based on Evolutionary Techniques”**, in National Conference on Emerging Technologies in Electrical System, Noorul Islam College of Engineering, Kumaracoil, March 2005.
14. **“Fuzzy Logic based Multi-objective Reactive power planning”** in National Conference on Emerging Technologies in Electrical System, Noorul Islam College of Engineering, Kumaracoil, March 2005.