

K.L.N.COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
LIST OF PUBLICATIONS

Mr.A.Marimuthu, Associate Professor

| S.No. | Academic Year | No. of Journal Published | No. of International Conference | No. of National Conference |
|--------------|----------------------|---------------------------------|--|-----------------------------------|
| 1. | 2017 - 2018 | 2 | 2 | --- |
| 2. | 2016 - 2017 | 6 | 1 | 2 |
| 3. | 2015-2016 | 3 | 2 | 3 |
| 4. | 2014 – 2015 | 3 | 4 | - |
| 5. | 2013 – 2014 | 1 | 2 | - |
| 6. | 2012 – 2013 | - | 1 | 1 |
| 7. | 2011 - 2012 | 2 | 2 | 5 |
| 8. | 2010 – 2011 | - | - | 3 |
| 9. | 2009 – 2010 | - | - | - |
| 10. | 2008 – 2009 | - | - | 2 |
| 11. | 2007 – 2008 | - | - | 1 |

Academic Year - 2017-18 -Journal

| S.No | Title of the paper | Name of the Journal & DOI | Month & Year of Publication | Impact Factor |
|------|---|--|--|---------------|
| 1 | Public Water Source Over Absorption Limiter | SSRG International Journal of Electrical and Electronics Engineering (SSRG-IJEEE) ISSN: 2348 – 8379 | Special Issue ICRTECITA, PP: 77-80 April 2018 | 2.01 |
| 2 | Maximization of Loadability of Distributed System by Optimal Placement and sizing of DG using PPSO, | Journal of Applied Science and Computations, ISSN : 0076-5131 UGC Approved Journal | Vol. 5 Issue. 6 pp. 258-267, June 2018. | 5.8 |

Academic Year - 2017-18 -Conference

| S.No | Title of the Paper | Name of the Conference | Venue | Date | National /International |
|------|--|--|--|--|-------------------------|
| 1 | Public Water Source Over Absorption Limiter | 2 nd International Conference on Recent Trends in Engineering, Computers Information Technology and Applications – ICRTECITA-18 | PSNA College of Engineering and Technology | 23 rd MARCH 2018 | International |
| 2 | Maximization of Loadability of Distributed System by Optimal Placement and sizing of DG using PPSO | International Conference on Innovations in Engineering and Industrial Applications 2018 – ICIEIA'18 | K.L.N. College of Engineering Madurai | 11 th & 12 th MAY 2018 | International |

Academic Year - 2016-17 -Journal

| S.No | Title of the paper | Name of the Journal & DOI | Month & Year of Publication | Impact Factor |
|------|---|---|-----------------------------|---------------|
| 1 | Optimal location and sizing of DG units to improve the voltage stability in the distribution system using Particle Swarm Optimization algorithm with time varying Acceleration Coefficients | Global Research and Development Journal for Engineering ISSN 2455-5703 | JULY 2016 | 1.5275 |
| 2 | Optimal location and sizing of distributed | Global Research and | JULY 2016 | 1.5275 |

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|----|---|--|---------------------------|--------|
| | generation using Krill Herd Algorithm | Development Journal for Engineering ISSN 2455-5703 | | |
| 3 | Two stage approach for economic dispatch using quasi oppositional based particle swarm optimization | Global Research and Development Journal for Engineering ISSN 2455-5703 | JULY 2016 | 1.5275 |
| 4. | Optimal Location and Sizing of DG in Distribution System Using Moth Swarm Optimization (MSO) | International Journal of Science Technology and Engineering ISSN:2349-784X | Vol:3Iss:10 APRIL-2017 | 4.753 |
| 5 | Impact of DG with SVC in a Meshed Transmission System | International Journal of Science Technology and Engineering, ISSN:2349-784X | Vol:3Iss:10 APRIL 2017 | 4.753 |
| 6 | Energy Efficient BLDC Drive with Constant Torque Using C-Dump Technology | International Journal of Science Technology and Engineering, ISSN:2349-784X | Vol:3Iss:10 APRIL 2017 | 4.753 |

Academic Year - 2016-17 -Conference

| S.No | Title of the Paper | Name of the Conference | Venue | Date | National /International |
|------|--|--|--|--|-------------------------|
| 1 | Optimal Allocation and Sizing of DG in a Radial Distribution System Using Whale Optimization Algorithm | IEEE International Conference on Innovations in Green Energy and Healthcare Technologies | Dr.N.G.P Institute of Technology, Coimbatore | 16 th -18 th March 2017 | International |
| 2 | Optimal Allocation and Sizing of DG in a Distribution System Using Moth Swarm Optimization | National Conference on Recent Trends in Networking, Computing and Communication (RTN2C 17) | PSNA College of Engineering and Technology, Dindigul | 27 th March 2017 | National |
| 3 | Energy Efficient BLDC Drive With Constant Torque Using C-Dump Technology | National Conference on Recent Trends in Networking, Computing and Communication (RTN2C 17) | PSNA College of Engineering and Technology, Dindigul | 27 th March 2017 | National |

International Journal:

| S.NO | Title of the paper | Name of the Journal & DOI | Month &Year of Publication |
|----------------------------------|---|---|---------------------------------------|
| Academic Year (2015-2016) | | | |
| 1. | Optimal location and sizing of DG units to improve the voltage stability in the distribution system using Particle Swarm Optimization algorithm with time varying Acceleration Coefficients | GRD Journal for Engineering ISSN 2455-5703 | July 2016 |
| 2. | Optimal location and sizing of distributed generation using Krill Herd Algorithm | GRD Journal for Engineering ISSN 2455-5703 | July 2016 |
| 3. | Two stage approach for economic dispatch using quasi oppositional based particle swarm optimization | GRD Journal for Engineering ISSN 2455-5703 | July 2016 |
| Academic Year (2014-2015) | | | |
| 1. | Voltage Stability in Wind Farms Using Particle Swarm Optimization | Advances in Natural and Applied Sciences(AU Annexure) ISSN:1995-0772 | Nov 2014 |
| 2. | Maximum Loadability of Power System using Heuristic Optimization Techniques | International Journal of Applied Engineering and Research ISSN 0973-4562 | Dec 2014 |
| 3. | Analysis of Voltage Stability for a Weak Power Systems Including Wind Farm using Modal Analysis | International Journal of Applied Engineering and Research ISSN 0973-4562 | Dec 2014 |
| Academic Year (2012-2013) | | | |

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|----------------------------------|--|---|------------|
| 1. | Integration of Wind Farm for Maximum Loadability Using Particle Swarm Optimization | International Journal of Innovative Research in Science, Engineering and Technology | March 2014 |
| Academic Year (2011-2012) | | | |
| 1. | Security Constrained Optimal Power Flow using Particle Swarm Optimization | The IUP Journal of Electrical and Electronics Engineering | 2011-2012 |
| 2. | Location of series FACTS devices for Relieving congestion in a deregulated | International Journal of Communications and Engineering, ISSN NO 0988-0382E | 2011-2012 |

International Conference:

| S.No | Title of the Paper | Name of the Conference | Venue | Date |
|----------------------------------|---|---|------------------------------|-------------|
| Academic Year (2015-2016) | | | | |
| 1. | Optimal location and sizing of DG units to improve the voltage stability in the distribution system using Particle Swarm Optimization algorithm with time varying Acceleration Coefficients | International Conference on Innovations in Engineering and Technology(ICIET)-16 | K.L.N.College of Engineering | 6-7Apr 2016 |
| 2. | Optimal location and sizing of distributed generation using Krill Herd Algorithm | International Conference on Innovations in Engineering and Technology(ICIET)-16 | K.L.N.College of Engineering | 6-7Apr 2016 |
| 3. | Two stage approach for economic dispatch using quasi oppositional based particle swarm optimization | International Conference on Innovations in Engineering and Technology(ICIET)-16 | K.L.N.College of Engineering | 6-7Apr 2016 |
| Academic Year (2014-2015) | | | | |

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|----------------------------------|--|--|--|--|
| 1. | Computation of Maximum loadability of Power systems including Wind Farms using Particle Swarm Optimization | Second IEEE National Conference on Emerging Trends in New & Renewable Energy Sources & Energy Management | Arupadai Veedu Institute of Technology | 16 th and 17 th Dec 2014 |
| 2. | Maximum Loadability of Power System using Heuristic Optimization Techniques | International Conference on Emerging Electrical Systems and Control-ICEESC 2014 | Sethu Institute of Technology | 4 th and 5 th Dec 2014 |
| 3. | Analysis of Voltage Stability for a Weak Power Systems Including Wind Farm using Modal Analysis | International Conference on Emerging Electrical Systems and Control-ICEESC 2014 | Sethu Institute of Technology | 4 th and 5 th Dec 2014 |
| 4. | Voltage Stability in Wind Farms using Particle Swarm Optimization | International Conference on Electrical, Electronics, Instrumentation and Computer Communication | Karpagam College of Engineering | 12 th & 13 th Dec 2014 |
| Academic Year (2013-2014) | | | | |
| 1. | Optimal Location of Wind Farm for Voltage Stability Enhancement Using Particle Swarm Optimization | International Conference on Power and Energy Systems(ICPES'13) | Velammal College of Engineering and Technology | 19 – 21 Dec 2013 |
| 2. | Integration of Wind Farm for Maximum Loadability of power System Using Particle Swarm Optimization | 2014 IEEE International Conference on Innovations in Engineering and Technology | K.L.N College of Engineering | 21 st & 22 nd Mar 2014 |
| Academic Year (2012-2013) | | | | |
| 1. | Transmission Line Monitoring for congestion Management base on generator sensitivity factor | International conference on Innovation in Intelligent Instrumentation ,Optimization and Processing | Karunya University | 1 st and 2 nd March 2013 |
| Academic Year (2011-2012) | | | | |
| 1. | Contingency Ranking using Voltage | First International Conference on Recent Trends in Computational | Government College of | 4 th April |

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|----|--|---|---|--|
| | Stability Indices | Methods, Communication and Controls ICON3C'12" | Engineering, Tirunelveli – 7 | 2012(2011-2012) |
| 2. | Location of Series FACTS Device for Relieving Congestion in a Deregulate | International Conference on Advanced Computing Technology 'ICTACT 2012' | J.K.K.Nattraja College of Engineering & Technology, Erode | 9 th & 10 th March 2012(2011-2012) |

National Conference:

| S.No | Title of the Paper | Name of the Conference | Venue | Date |
|----------------------------------|---|---|--|---|
| Academic Year (2015-2016) | | | | |
| 1. | Optimal location and sizing of distributed generation using Gbest-guided Gravitational Search Algorithm | National conference on Power and Renewable Energy Systems-2016 | Velammal College of Engineering and Technology | 29-30 Jan 2016 |
| 2. | Quasi-Oppositional Based Particle Swarm Optimization for Economic Dispatch in Smart Grid | National conference on Power and Renewable Energy Systems-2016 | Velammal College of Engineering and Technology | 29-30 Jan 2016 |
| Academic Year (2012-2013) | | | | |
| 1. | Modeling ,Simulation and Position Control of Permanent Magnet Brushless DC motor | National conference on Methods Enriching Power and Energy Developments | Hindustan University | 14 th and 15 th march 2013 |
| Academic Year (2011-2012) | | | | |
| 1. | Reduction of transmission line loses by Series Capacitance | National Conference "Cutting Edge Technologies in Power Conversion and Industrial Drives [PCID 2012]" | Bannari Amman Institute of Technology, Erode | 8 th – 10 th February 2012(2011-2012) |
| 2. | Generation Expansion Planning using Particle Swarm Optimization | Third National Conference on "Emerging Trends in Power Systems" | K.L.N. College of Engineering, Pottapalayam | 11 th April 2012(2011-2012) |
| 3. | Optimal Reactive Power Planning using Particle Swarm optimization | Third National Conference on "Emerging Trends in Power Systems" | K.L.N. College of Engineering, Pottapalayam | 11 th April 2012(2011-2012) |

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|----------------------------------|---|---|---|--|
| 4. | An Allocation of Series FACTS Devices for Congestion Management in a Deregulated Electricity Market | Third National Conference on "Emerging Trends in Power Systems" | K.L.N. College of Engineering, Pottapalayam | 11 th April 2012(2011-2012) |
| 5. | Contingency Ranking using Voltage Stability Indices | Third National Conference on "Emerging Trends in Power Systems" | K.L.N. College of Engineering, Pottapalayam | 11 th April 2012(2011-2012) |
| Academic Year (2010-2011) | | | | |
| 1. | Economic Power Dispatch Solutions using Imperialist Competitive Algorithm" | 5th National Conference on Power Conversion, Systems, Drives and Control Technology [PCTCON'11] | PSNA College of Engineering and Technology | 25 th Feb. 2011(2010-2011) |
| 2. | Economic Power Dispatch solution using Imperialistic Competitive Algorithm" | National Conference on Electrical Systems and Renewable Energy 'NESR – '11' | Anna University of Technology, Tiruchirappalli. | 18 th March 2011.(2010-2011) |
| 3. | Security Constrained Optimal Power flow using Particle Swarm Optimization" | National Conference on Electrical Machines and Power Systems | Pondicherry Engineering College, Pondicherry | 11 th Feb. 2011(2010-2011) |
| Academic Year (2008-2009) | | | | |
| 1. | A Solution to the Economic dispatch Problem using simulated annealing | National Conference –RTAMET | | 3 rd April 2009(2008-2009) |
| 2. | Simulated Annealing Technique for Solving Economic Dispatch Problem | ICET'09 | Vellammal College of Engineering and Technology | 27 th Feb 2009(2008-2009) |
| Academic Year (2007-2008) | | | | |
| 1. | Steady State Voltage Stability Evaluation | National Conference on ETPS'2007 | K.L.N College of Engineering | (2007-2008) |