

K.L.N.COLLEGE OF ENGINEERING
(An Autonomous Institution, affiliated to Anna University)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LIST OF PUBLICATIONS

Dr.S.M.Kannan, Professor and Head

S.No.	Academic Year	No. of Journal Published	No. of International Conference	No. of National Conference
1.	2021 - 2022	--	--	1
2.	2020 – 2021	--	--	1
3.	2019 - 2020	1	--	1
4.	2018 – 2019	7	--	2
5.	2017 - 2018	7	15	--
6.	2016 - 2017	1	2	--
7.	2015 - 2016	1	1	1
8.	2014 - 2015	3	4	-
9.	2013 - 2014	2	3	-
10.	2012 – 2013	2	1	5
11.	2011 - 2012	2	3	3
12.	2010 – 2011	1	1	3
13.	2009 – 2010	3	1	2
14.	2008 – 2009	-	1	-
15.	2007 – 2008	-	1	2

Academic Year – 2021 -22 -Conference					
S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	IoT based solar panel cleaner	Virtual Conference on Smart computing & advanced communication (SCAC' 22)	PSNA College of Engineering & Technology Dindigul	13 th May 2022	National

Academic Year - 2020-21 -Conference					
S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	IOT based DC/DC Converter Control: Real-Time Implementation	Virtual Conference on Smart Computing & Advanced Communication(SCAC'21)	PSNA College of Engineering and Technology, Dindigul	31 st March 2021	National

Academic Year - 2019-20 -Journal					
S. No	Title of the paper	Name of the Journal & DOI	Month &Year of Publication	Impact Factor	
1	Optimal Capacitor Placement and Sizing in RDF using GREY WOLF Algorithm for Dynamic Loading	International Research Journal on Advanced Science HUB Special	Issue on ICES 2020 ISSN: 2582- 4376	--	

Academic Year - 2019-20 -Conference					
S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	Alternate Charging of Electric Vehicle using Solar Apprehends System with Dual Battery Management	National Conference on Power Electronics and Drives (NCPED'20)	Alagappa Chettiar Government College of Engineering and Technology	5 th March 2020	National

Academic Year - 2018-19 -Journal

S.No	Title of the paper	Name of the Journal & DOI	Month &Year of Publication	Impact Factor
1.	A Novel Method of Detection and Classification of Diabetic Retinopathy in Fundus Imagery	Asian Journal of Applied Research	ISSN (O): 2395-1702 ISSN (P): 2395-0382 DOI:http://dx.doi.org/10.20468/ajar.2018.10.05	Crossref Index Copernicus ICV
2.	Analysis of Various Types of Balanced Voltage Sags	Asian Journal of Applied Research	ISSN (O): 2395-1702 ISSN (P): 2395-0382 DOI:http://dx.doi.org/10.20468/ajar.2018.10.06	Crossref Index Copernicus ICV
3.	Industrial Energy Audit and Improve power Quality in Solar Energy System	Asian Journal of Applied Research	ISSN (O): 2395-1702 ISSN (P): 2395-0382 DOI:http://dx.doi.org/10.20468/ajar.2018.10.07	Crossref Index Copernicus ICV
4.	Performance Analysis of Fuzzy Logic Controller-based DC-Link shunt Compensator in singlephase Grid Connected Mode	Asian Journal of Applied Research	ISSN (O): 2395-1702 ISSN (P): 2395-0382 DOI:http://dx.doi.org/10.20468/ajar.2018.10.08	Crossref Index Copernicus ICV
5.	Internet of Things – Based Health Monitoring System using Microeletromechanical Systems Sensor	Asian Journal of Applied Research	ISSN (O): 2395-1702 ISSN (P): 2395-0382 DOI:http://dx.doi.org/10.20468/ajar.2018.10.10	Crossref Index Copernicus ICV
6.	Sequential Loading of Backup Generator with Load Sharing	Asian Journal of Applied Research	ISSN (O): 2395-1702 ISSN (P): 2395-0382 DOI:http://dx.doi.org/10.20468/ajar.2018.10.11	Crossref Index Copernicus ICV
7.	Analysis and Development of Music Rhythm for LED Flashlight using Microcontroller	Asian Journal of Applied Research	ISSN (O): 2395-1702 ISSN (P): 2395-0382 DOI:http://dx.doi.org/10.20468/ajar.2018.10.13	Crossref Index Copernicus ICV

Academic Year - 2018-19 -Conference					
S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	Assist pedestrian to cross the road by density based traffic control	National Conference on Smart Computing and Advanced Communication (SCAC'19)	PSNA College of Engineering and Technology	15 th MARCH 2019	National
2	Optimal Capacitor Placement and Sizing in RDF using Grey Wolf Algorithm	National Conference on Smart Computing and Advanced Communication (SCAC'19)	PSNA College of Engineering and Technology	15 th MARCH 2019	National

Academic Year- 2017-18 -Journal				
S.No	Title of the paper	Name of the Journal & DOI	Month &Year of Publication	Impact Factor
1.	Solar and IoT Based Health Monitoring, Controlling and Tracking System for Soldiers,	International Journal of Electrical and Electronics Engineering, ISSN: 2348 – 8379	Special Issue, pp.22-26, April 2018.	2.01
2	Smart Load Shedding and Price based Energy Management using Microcontrollers,	Journal of applied Science and Computations, ISSN : 0076-5131 UGC Approved Journal - 41238	Vol.5 (6), pp. 278-284, June 2018.	5.8
3	Internet Of Things Based Monitoring of Fertilizer and Moisture In Agriculture,	Asian Journal Of Applied Research, ISSN (O): 2395-1702, ISSN (P): 2395-0382, DOI:http://dx.doi.org/10.20468/ajar.2018.03.04	2018	---
4	Investigations On Severity Level for Diabetic Maculopathy Based on the Location of Lesions	Asian Journal Of Applied Research ISSN (O): 2395-1702, ISSN (P): 2395-0382, DOI:http://dx.doi.org/10.20468/ajar.2018.03.05	2018	---
5	Transform–Based Texture featured Extraction Techniques	Asian Journal Of Applied Research ISSN (O): 2395-1702, ISSN (P): 2395-0382, DOI:http://dx.doi.org/10.20468/ajar.2018.03.06	2018	---
6	Multi-Constraint Fuzzy Based Wireless Sensor Node	Asian Journal Of Applied Research,	2018	---

	Communication for Smart Grid	ISSN (O): 2395-1702, ISSN (P): 2395-0382, DOI:http://dx.doi.org/10.20468/ajar.2018.03.01		
7	Gender Classification Using Histogram of Oriented Gradients- Support Vector Machine Classifier	Asian Journal Of Applied Research, ISSN (O): 2395-1702, ISSN (P): 2395-0382, DOI:http://dx.doi.org/10.20468/ajar.2018.03.02.	2018	---

Academic Year- 2017-18 -Conference

S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	Solar and IOT Based Health Monitoring Controlling and Tracking System for Soldiers	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	Smart load shedding and price based energy management using microcontrollers	International Conference on Innovations in Engineering and Industrial Applications2018 – ICIEIA'18	K.L.N. College of Engineering Madurai	11 th & 12 th MAY 2018	International
3	Optimum Location Of Distributed Generator in Distributed System Using Shuffled Frog Leaping Algorithm	International Conference on Innovations in Engineering and Industrial Applications2018 – ICIEIA'18	K.L.N. College of Engineering Madurai	11 th & 12 th MAY 2018	International
4	Multi Constraint Fuzzy based Wireless Sensor Node Communication for Smart Grid	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
5	Optimum Location Of Distributed System Using Shuffled Frog Leaping Algorithm	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
6	Industrial Energy Audit and Improve Power Quality in Solar Energy System	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
7	Analysis and Development of Music Ritham For Led Flash Light Using Micro Controllers	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
8	Investigations on Severity Level for Diabetic Maculopathy based on the	International Conference on Interdisciplinary Research Technology	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL	International

	location of lesions	and Innovation – ICIRTI-2018		2018	
9	IOT Based Health Monitoring System Using MEMS Sensor	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
10	Optimal Demand Response in Integrated Energy Management System for Industries	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
11	Sequential Loading of Backup Generator with Load Sharing	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
12	Design and Implementation of MPPT Controller for Grid Connected Photo Voltaic System and Analysing its Performance	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
13	IOT based Monitoring of Fertilizer and Moisture in Agriculture	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
14	Analysis of Various Types of Balanced Voltage Sags	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 2018	International
15	A Novel Method of Detection and Classification of Diabetic Retinopathy in Fundus Imagery	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 th to 9 th APRIL 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.	Modeling and Performance Analysis of Solar PV System and DC-DC Converters	International Journal of Science Technology and Engineering, ISSN:2349-784X	Vol: 3, Iss:9, pp. 424-437, March 2017.	4.753

Academic Year- 2016-17-Conference

S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	Modeling and Analysis of equivalent circuit model of solar PV cell using	International Conference on Engineering and Technology	Karpagam College of Engineering,	16 th -17 th December	International

	EMBEDDED MATLAB	(ICET)	Coimbatore	2016	
2	Smart Hybrid Energy Management Using Solar Power	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'17)	Pondicherry Engineering College, Pondicherry	24 th & 25 th February 2017	International

International Journal:

S.NO	Title of the paper	Name of the Journal & DOI	Month & Year of Publication
Academic Year(2015-2016)			
1.	LVRT Capability Assessment and Improvement of Grid Connected Wind Farm During symmetrical Faults	International Journal of Advanced Research Trends in Engineering and Technology ISSN 2364-3777	March 2016
Academic Year(2014-2015)			
1.	Power Quality improvement in grid connected wind energy conversion system using DVR	International Journal of Applied Engineering Research ISSN 0973-4562	June 2015
2.	Optimal Capacitor Placement in Radial Distribution Feeders Using Fuzzy-Differential Evolution for Dynamic Load Condition	Journal of The Institution of Engineers (India): Series B(AU Annexure) DOI:10.1007/s40031-014-0157-1	Nov 2014
3.	Capacitor Placement using ANFIS and loss reduction in RDF using Hybrid Differential Evolution	International Journal of Applied Engineering and Research ISSN 0973-4562	Dec 2014
Academic Year(2013-2014)			
1.	Performance Improvement of AGC by ANFIS	International Journal of Innovative Research in Science, Engineering and Technology	March 2014
2.	Optimal Capacitor Placement in Radial Distribution Feeders Using Fuzzy-Differential Evolution for Dynamic Load Condition	Journal of The Institution of Engineers.	Jan 2014
Academic Year(2012-2013)			
1.	Optimal capacitor allocation in 69-bus Radial distribution system to improve annual cost savings for dynamic load	International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459	March 2013

2.	Energy loss minimization in RDF using MAPSO method Considering harmonics.	Journal of Electrical Engineering, ISSN 1582-4594	Sep 2012
Academic Year(2011-2012)			
1.	Combination of Fuzzy and Second order PSO based capacitor placement Radial Distribution Feeder	International Journal on Computer Applications, ISSN 0975 – 8887	2012
2.	Optimal capacitor placement and sizing using Fuzzy-DE and Fuzzy –MAPSO methods	Applied Soft Computing DOI:10.1016/j.asoc.2011.05.058	July2011
Academic Year(2010-2011)			
1.	Optimal capacitor placement and sizing using combined Fuzzy –MAPSO methods	International Journal of Engineering Science and Technology, ISSN 0975-5462	2010-2011
Academic Year(2009-2010)			
1.	Application of FUZZY Logic and particle Swarm Optimization for Reactive Power compensation of Radial Distribution Systems	Journal of Electrical Systems ISSN 1112-5209	2009-2011
2.	Reactive Power Compensation in Radial Distribution Feeder with Laterals using Fuzzy-PSO method	International Journal of Electronic and Electrical Engineering, ISSN 0974-2024,IJEEE	March2009-2011

National Journal:

S.NO	Title of the paper	Name of the Journal & DOI	Month & Year of Publication
Academic Year(2009-2010)			
1.	Application of Fuzzy Logic –Particle Swarm Optimization for Reactive- Power Compensation of Radial Distribution Feeders	The Journal of CPRI	March2009-2010

International Conference:

S.No	Title of the Paper	Name of the Conference	Venue	Date
Academic Year(2015-2016)				
1.	Low Voltage Ride through capability improvement of grid connected wind energy conversion system using STATCOM	International Conference on Energy Efficient Technologies for sustainability-ICEETS'16	St.Xavier catholic college of Engineering	7-8 April 2016
Academic Year(2014-2015)				
1.	Capacitor Placement using ANFIS and loss reduction in RDF using Hybrid Differential Evolution	International Conference on Emerging Electrical Systems and Control-ICEESC 2014	Sethu Institute of Technology	4 th and 5 th Dec 2014
2.	Optimal Capacitor Placement in RDF under Dynamic Load Conditions using Modified Differential Evolution	International Conference on Emerging Trends in Engineering, Technology & Management	RVS College of Engineering & Technology	16 th to 18 th April 2015
3.	Performance Improvement of AGC by using Neural Network Controller	International Conference on Electrical, Instrumentation & Communication Engineering Recent Trends and Research Issues-2015	Sri Krishna Institution	2 nd and 3 rd Jan 2015
4.	Power Quality improvement in grid connected wind energy conversion system using DVR	International Conference on Advances in Applied Engineering & Technology-2015	Syed Ammal Engineering College	14.05.2015 to 16.05.2015
Academic Year(2013-2014)				
1.	Optimal Capacitor Placement in RDF under Dynamic Load Conditions Using Differential Evolution	International Conference on Power and Energy Systems(ICPES'13)	Velammal College of Engineering and Technology	19 – 21 Dec 2013
2.	Neural Network Tuned Fuzzy Logic Power System Stabilizer Design for SMIB	International Conference on Power and Energy Systems(ICPES'13)	Velammal College of Engineering and Technology	19 – 21 Dec 2013
3.	Performance Improvement of AGC by ANFIS	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.	Energy Loss Minimization in RDF using Optimization Techniques for Dynamic load conditions considering Harmonics	International conference on computation of Power,Energy,Information and Communication	Adiparasakthi Engineering College	17 th and 18 th April 2013
Academic Year(2011-2012)				
1.	Combination of Fuzzy and Second order PSO based Capacitor Placement in Radial Distribution Feeder	First International Conference on Recent Trends in Computational Methods, Communication and Controls ICON3C“12”	Government College of Engineering, Tirunelveli – 7	4 th April 2012(2011-2012)
2.	Optimal Capacitor Placement in RDF for Maximizing Annual savings using a novel Fuzzy-second order PSO based method	International Workshop and Conference on “Renewable energy and Climate change-Exploring Opportunities for Sustainable Development”	Madurai Kamaraj University Madurai	5 th – 7 th April 2012(2011-2012)
3.	Maximization of Annual Savings by using Fuzzy-second order PSO based Optimal Capacitor Placement in RDF for constant load”	International Conference IEEE students conference on Electrical, Electronics and computer science 2012	Maulana Azad National Institute of Technology	1 st & 2 nd March 2012 (2011-2012)
Academic Year(2010-2011)				
1.	Analysis of Capacitor Allocation in Radial Distribution Feeder using PSO with Voltage Constraint	International Conference on ”Electrical Energy Systems (ICEES 2011)”	SSN College, Chennai.	3 rd – 5 th January 2011 (2010-2011)
Academic Year(2009-2010)				
1.	Fuzzy HPSO Based capacitor placement in Radial distribution feeder	International Conference on Emerging trends in Engineering Technology	Noorul Islam University	(2009-2010)

Academic Year(2008-2009)				
1.	Application of Fuzzy and particle Swarm Optimization for reactive power compensation of radial distribution systems	International Conference on Electrical Energy Systems and Power Electronics in Emerging economics	S.R.M University	(2008-2009)
Academic Year(2007-2008)				
2.	Optimal Capacitor Placement on Radial Distribution Feeders using Fuzzy logic	Proceedings of International Conference on PSACO-2008	Andhra University	13 th -15 th March ,,08(2007-2008)

National Conference:

S.No	Title of the Paper	Name of the Conference	Venue	Date
Academic Year(2015-2016)				
1.	LVRT capability assessment and improvement of grid connected wind farm during symmetrical faults	Advanced Computing Techniques on Power Conversion and Control System ACTOPCCS'16	University College of Engineering,Ariyalur	16 th March 2016
Academic Year(2012-2013)				
1.	Optimal capacitor Allocation in 69-Bus RDF for Maximization of Annual Savings for Dynamic Load Condition Using PSO and MAPSO Methods	National conference on Methods Enriching Power and Energy Development'13	JEPPIAAR Engineering college	12 th April 2013
2.	PSO based capacitor allocation in 69-bus RDF for dynamic load	National conference on Methods Enriching Power and Energy Developments	Hindustan University	14 th and 15 th march 2013
3.	Optimal Capacitor Placement in RDF for Energy Loss Reduction using Fuzzy-MAPSO methods under dynamic loading conditions	National conference on "Control of Electrical Power Apparatus"	Government College of Engineering,Tirunalveli	5 th April 2013
4.	Optimal Capacitor Placement and sizing in radial distribution system using PSO-HPSO methods with Harmonic consideration	DRDO Sponsored National Conference on Innovations in Engineering & Technology	Anna University Regional Centre Madurai	27& 28 th March 2013

5.	Application of fuzzy logic and HPSO for reactive power compensation in RDF with harmonics under Dynamic loading conditions	National conference on Advanced Technology in Electrical Engineering	Kamaraj College of Engineering and Technology	15 th and 16 th March 2013
Academic Year(2011-2012)				
1.	Energy Loss Minimization in RDF using Mod-MAPSO method Considering Harmonics	Third National Conference on “Emerging Trends in Power Systems”	K.L.N. College of Engineering, Pottapalayam	11 th April 2012(2011-2012)
2.	Optimal Capacitor Placement and sizing with harmonics consideration in Radial Distribution system using Particle swarm optimization	National Conference on Cutting Edge Technologies in Power conversations and industrial Drives,PCID 2012	Bannari Amman Institute of Technology	8 th – 10 th February 2012 (2011-2012)
3.	Energy Loss Minimization in RDF using MAPSO Method considering Harmonics”	National Conference on Power Electronics and Drives (PEDC –12)	Alagappa Chettiar College of Engineering	14 th March 2012 (2011-2012)
Academic Year(2010-2011)				
1.	Reactive power Compensation using Fuzzy Differential Evolution”	National Conference on Electrical machines and Power Systems.	Pondicherry Engineering College	11 th February 2011(2010-2011)
2.	Optimal Capacitor Placement in radial distribution feeders using Fuzzy Differential Evolution	National Conference on Innovation Emerging Technology	Kongu Engineering College	11 th February 2011(2010-2011)
3.	Fuzzy MAPSO Based Capacitor Allocation in Radial Distribution Feeder	National Power Engineering Conference	Thiagarajar College of Engineering	(2010-2011)
Academic Year(2009-2010)				
1.	Reactive Power Compensation in Radial Distribution feeder using Fuzzy and Swarm intelligence	National Conference on Power Quality	Sastra University,	10 th March 2010.(2009-2010)
2.	Particle Swarm Optimization based algorithm for Optimal Power Flow	National Conference on Intelligence in Formation Retrieval (NCIIR-2010)	PSG Tech, Coimbatore	(2009-2010)

Academic Year(2007-2008)

Academic Year(2007-2008)				
1.	Optimal Capacitor Placement on Radial Distribution Feeders using Fuzzy logic	National Conference on ETPS	K.L.N College of Engineering	(2007-2008)
2.	Fuzzy logic based optimal capacitor placement on Radial Distribution Feeders			(2007-2008)