

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

**Dr.S.Venkatanarayanan, Professor**

S.No.	Academic Year	No. of Journal Published	No. of International Conference	No. of National Conference
1.	2017-2018	7	15	---
2.	2016-2017	3	11	---
3.	2015-2016	9	3	-
4.	2014-2015	4	2	-
5.	2013-2014	5	2	-
6.	2012-2013	1	2	1
7.	2011-2012	-	-	1

**2017-18 -Journal**

<b>Academic Year - 2017-18 -Journal</b>				
<b>S.No</b>	<b>Title of the paper</b>	<b>Name of the Journal &amp; DOI</b>	<b>Month &amp;Year of Publication</b>	<b>Impact Factor</b>
1	Implementation of a Switched PV Technique for rooftop 2 kW Solar PV to Enhance Power during Unavoidable Partial Shading Conditions,	Journal of Power Electronics, ISSN(P): 1598- 2092 ISSN(O): 2093-4718,	Vol. 17, Issue. 6, pp:1600-1610, Nov 2017	1.023
2	Optimum Location Of Distributed System Using Shuffled Frog Leaping Algorithm,	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	---
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 Communication for Smart Grid	Asian Journal Of Applied Research, ISSN (O): 2395-1702, ISSN (P): 2395-0382, DOI:http://dx.doi.org/10.20468/ajar.2018.03.01	2018	---
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	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 <sup>th</sup> & 12 <sup>th</sup> MAY 2018	International
2	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 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International
3	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 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International
4	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 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International
5	Real Time Detection of Retinal Detachment And Exudates Using Fundus Image With Super pixel Multi Feature Classification	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International
6	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 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International
7	Investigations on Severity Level for Diabetic Maculopathy based on the location of lesions	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International
8	IOT Based Health Monitoring System Using MEMS Sensor	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International
9	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 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International
10	Power Quality Analysis in a Bulk	International Conference on	Baan Sukhawadea,	7 <sup>th</sup> to 9 <sup>th</sup>	International

	HT Industry at Theni, Tamilnadu	Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Pattaya,Thailand	APRIL 2018	
11	Sequential Loading of Backup Generator with Load Sharing	International Conference on Interdisciplinary Research Technology and Innovation – ICIRTI-2018	Baan Sukhawadea, Pattaya,Thailand	7 <sup>th</sup> to 9 <sup>th</sup> 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 <sup>th</sup> to 9 <sup>th</sup> 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 <sup>th</sup> to 9 <sup>th</sup> 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 <sup>th</sup> to 9 <sup>th</sup> 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 <sup>th</sup> to 9 <sup>th</sup> APRIL 2018	International

### Academic Year - 20167-17 -Journal

S.No	Title of the paper	Name of the Journal & DOI	Month &Year of Publication	Impact Factor
1	Design of Bridgeless SEPIC Converter for Phaco Emulsifier Peristaltic Pump Cataract,	International Journal of Innovation and Scientific Research, ISSN: 2351-8014,	Vol: 25, Iss: 2, pp. 478-491, Jul 2016.	3.917
2	Global Energy Efficiency Policies for Electric Motor Drive System -A Review,	International Journal of Innovative Works in Engineering and Technology (IJIWET), ISSN: 2455-5797,	Vol: 3, Issue: 2, pp.126-133, April 2017.	5.911(SJIF)
3	Development of Simulation Models in Distribution Network using Energy Storage Systems	International Journal of Innovative Works in Engineering and Technology (IJIWET), ISSN: 2455-5797,	Vol: 3, Issue: 2, pp.201-208, April 2017.	5.911(SJIF)

### Academic Year - 2016-17 -Conference

S.No	Title of the Paper	Name of the Conference	Venue	Date	National /International
1	Retrofitting of Ward-Leonhard System and DC Motor with Advanced AC Motor Drive with Energy Savings	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
2	Design and Implementation of MPPT Controller for SEPIC Converter for Improving Energy Efficiency	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
3	Development of Simulation Models in Distribution Network Using Energy Storage Systems	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
4	Power Smoothing of Large Solar PV Plant Using Hybrid Energy Storage	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
5	Energy Assessment Methods for Small Scale Industries: A Case Study on Energy Savings Measures	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
6	Design and Fabrication of Smart Protection System Using Lab view	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
7	Power Quality Analysis –Industrial Review and Report	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
8	Global Energy Efficiency Policies for Electric Motor Drive System- A Review	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
9	Performance Analysis of 25kW Grid Connected PV Systems	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International

10	Bidirectional Single –Phase AC/DC Converter for fast DC Bus Voltage Controller	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International
11	Common Mode Voltage Reduction Using Active Zero State Modulation in Three Phase Grid Connected Converter	International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT'2017)	Pondicherry Engineering College, Pondicherry	24 <sup>th</sup> - 25 <sup>th</sup> February 2017	International

### **International Journal**

S.No	Title of the paper	Name of the Journal & DOI	Month & Year of Publication
<b>Academic Year (2015-2016)</b>			
1.	Fuzzy Logic Controller Effects on Maximum Power Point Tracking for Photovoltaic System	Samzhodhana	July 2015
2.	Evolution of Photovoltaic Array Maximum Power Point Tracking Techniques	Samzhodhana	July 2015
3.	Source of power generation and marketing in electricity with special reference to Tamilnadu	Samzhodhana	July 2016
4.	Design of bridgeless sepic converter for phaco emulsifier peristaltic pump cataract	International Journal of Innovation and Scientific Research ISSN: 2351-8014 Annexure -I	July 2016
5.	Controller for converter using Model order Reduction	Samzhodhana	July 2015
6.	A Cascaded Multilevel Inverter with less Switches	Samzhodhana	July 2015
7.	Timer Operated Liquid dispensing system	Samzhodhana	July 2015
8.	Digital Relay Protection for Generator Transformer in Thermal Power Plant	Samzhodhana	Jan 2016
9.	Design and Implementation of various controller for Solar MPPT System	Samzhodhana	Jan 2016

<b>Academic Year (2014-2015)</b>			
1.	Implementation of a Sliding Mode Controller for Single Ended Primary Inductor Converter	Journal of Power Electronics ISSN 1598-2092	Jan 2015
2.	DTC of B4-Inverter Fed BLDC Motor Drives with reduced Torque Ripple during Sector-to-Sector Communication	Samzhodhana ISSN 2321-8231	2015
3.	Selective Harmonics Compensation (SHC) PWM for Grid-interfacing High-Power Converters	Samzhodhana ISSN 2321-8231	2015
4.	Design of Parallel-Operation SEPIC Converters Using Coupled Inductor for Load-Sharing	Journal of Power Electronics ISSN 327-337	March2015
<b>Academic Year (2013-2014)</b>			
1.	Design and Implementation of SEPIC and Boost converters for Wind and Fuel cell Applications	International Journal of Innovative Research in Science, Engineering and Technology	March 2014
2	Fuzzy Logic Based PV Energy System with SEPIC Converter	Journal of Theoretical and Applied Information Technology	Jan 2014
3	A Fuzzy Logic Based SEPIC and KY Converter	Samzhodhana (A Multidisciplinary Research Journal)	Dec 2013
4	Analysis and Design of SEPIC Converter for Solar Energy Conversion with MPPT Controller	Samzhodhana (A Multidisciplinary Research Journal)	Dec 2013
5	Design and Implementation of SEPIC and Boost Converters for Wind and Fuel cell Applications	Samzhodhana (A Multidisciplinary Research Journal)	Dec 2013
<b>Academic Year (2012-2013)</b>			
2	Design of Bridgeless SEPIC Converter for Speed Control of PMDC Motor	International Journal of Emerging Trends in Electrical and Electronics, ISSN 2320-9569	April 2013

**International Conference:**

S.No.	Title of the Paper	Name of the Conference	Venue	Date
<b>Academic Year (2015-2016)</b>				
1.	MPPT for PV using coupled inductor SEPIC convertor for standalone power system	International Conference on Energy Efficient Technologies for sustainability-IEECTS'16	St.Xavier catholic college of Engineering	7-8 April 2016
2.	OCT image Denoising Based on K-SVD Method	International Conference on Innovations in Engineering and Technology (ICIET)-16	K.L.N.College of Engineering	6-7April 2016
3.	Uncontaminated and Unpolluted Energy Conversion – Proton Exchange Membrane Fuel Cell With Static Power Electronics Conversion Devices	EMN Meeting on Membranes-2016	Dubai, United Arab Emirates	05-08 April 2016
<b>Academic Year (2014-2015)</b>				
1.	Co-ordinated control of transient stability enhancement for multi-machine Power System	IEEE sponsored second International Conference on Innovations in Information Embedded and Communication Systems (ICIIECS '15)	Karpagam College of Engineering	19 <sup>th</sup> & 20 <sup>th</sup> March 2015
2.	Modelling of Bridgeless Converter to Enhance Power Quality for Grid Integrated System	IEEE sponsored second International Conference on Innovations in Information Embedded and Communication Systems (ICIIECS '15)	Karpagam College of Engineering	19 <sup>th</sup> & 20 <sup>th</sup> March 2015



<b>Academic Year (2013-2014)</b>				
1	Design and Implementation of SEPIC and Boost converters for Wind and Fuel cell Applications	2014 IEEE International Conference on Innovations in Engineering and Technology	K.L.N College of Engineering, Pottapalayam	21st & 22nd Mar 2014
2	Analysis of Integrated SEPIC & KY Converter for Solar Energy Conversion with MPPT Controller	2014 IEEE International Conference on Innovations in Engineering and Technology	K.L.N College of Engineering, Pottapalayam	21st & 22nd Mar 2014
<b>Academic Year (2012-2013)</b>				
3	Control of SEPIC Converter using Neural Network tuned PI controller (Published in IEEE Explorer)	IEEE International Conference on Power , Energy & Control	PSNA College of Engineering and Technology	6-8 Feb 2013
4	A Design of Modeling of Bridgeless SEPIC Converter for low voltage power supplies using MOFET	1 <sup>st</sup> International Conference on Interdisciplinary Engineering & Sustainable Management Science	Vicram College of Engineering	22 <sup>nd</sup> and 23 <sup>rd</sup> Feb 2013

**National Conference:**

<b>S.No.</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Venue</b>	<b>Date</b>
<b>Academic Year (2012-2013)</b>				
1	Design of Bridgeless SEPIC Converter Speed Control of PMDC Motor	National Conference on Method Enriching Power and Energy Developments	JEPPIAAR Engineering College	12 <sup>th</sup> April 2013
<b>Academic Year (2011-2012)</b>				
2	Harmonic Analysis using Wavelet in Labview Environment	Third National Conference on “Emerging Trends in Power System”	K.L.N College of Engineering, Pottapalayam	11 <sup>th</sup> April 2012 (2011-2012)