Publications (Last 5 yrs) :

Sl. No.	Authors	Title of the Paper	Name of the Journal	Volume and issue No.	Year	Impact Factor	Sl. No. in Annexure I/II
1.	Kumar k N.Ramesh Babu K.R.Prabhu	Design and Performance analysis of Hybrid solar wind energy system	LAMBERT				978-620-0-55032-3
2.	SUBRAMANI JEGADEESAN1, MARIA AZEES 2, N. RAMESH BABU 3, UMASHANKAR SUBRAMANIAM 4, (Senior Member, IEEE), AND J. DHAFER ALMAKHLES	EPAW: Efficient Privacy Preserving Anonymous Mutual Authentication Scheme for Wireless Body Area Networks (WBANs)	IEEE	VOLUME 8, 2020	2020		
3.	Kumar Krishnamurthy,Sanjeevikumar,N Ramesh Babu	Power Electronic converter configurations Integration with Hybrid Energy Sources – A comprehensive review for state of the art in research	Taylor & Francis		2020		
4.	Ramji Tiwari, **Ramesh Babu. N.**	Artificial neural network-based control strategies for PMSG-based grid connected wind energy conversion system	International Journal of Materials and Product Technology	Vol.58 No.4	2019		pp.323 – 341

5.	Ramji Tiwari, Kumar. K, **Ramesh Babu. N** and Prabhu. K.R	Coordinated MPPT and DPC Strategies for PMSG based Grid Connected Wind Energy Conversion System	Energy Procedia	Vol.145	July 2018		pp.339 – 344
6.	Kumar. K, Ramji Tiwari, **Ramesh Babu. N** and Prabhu. K.R	Analysis of MISO Super Lift Negative Output Luo Converter with MPPT for DC Grid Connected Hybrid PV/Wind System	Energy Procedia	Vol.145	July 2018		pp.345 – 350
7.	Ramji Tiwari, Kumar K, **Ramesh Babu N**, Sanjeevi kumar P and Pat Wheeler	Neural Network based Maximum Power Point Tracking Control with Quadratic Boost Converter for PMSG - Wind Energy Conversion System	Electronics Scopus & SCI indexed	Vol. 7, No. 20	2018		pp1-17
8.	Gunjan Jhawar, Prajacta Nagraj and **Ramesh Babu N**	Developing Prototype for Prosopagnosia Using PCA, Sensors and Image Processing	Advances in Intelligent System and Computing Springer	Vol. 651	2018		pp. 59-64
9.	Ramana Reddy K.V, **Ramesh Babu N** and Sanjeevi kumar P	A Review on grid codes & Reactive power management in power grids with WECS	Advances in Smart Grid & Renewable Energy - Lecture Notes in Electrical Engineering Springer	Vol. 435	2018		pp. 525-539
10.	Ramji Tiwari,	Comparison between PI	Advances in Smart Grid	Vol. 435	2018		pp. 297-306

	Ramesh Babu N, Arunkrishna R and Sanjeevikumar P	controller & Fuzzy logic based control strategies for harmonic reduction in Grid integrated Wind energy conversion system	& Renewable Energy - Lecture Notes in Electrical Engineering Springer				
11.	Ramji Tiwari, **Ramesh Babu N** and Sanjeevikumar P	Fuzzy logic based pitch angle controller for PMSG based wind energy conversion system	Advances in Smart Grid & Renewable Energy - Lecture Notes in Electrical Engineering	435	2018		pp. 277-286
12.	Merina Mathew, **Ramesh Babu. N**, P.Sanjeevikumar and Suresh. M	High Response Photon-Counting for phase fraction measurement using Compact RIO with FPGA	Lecture Notes in Electrical Engineering		Dec, 2016		
13.	Saravanan S, **Ramesh Babu N** and Sanjeevikumar P	Comparative Analysis of DC/DC Converters with MPPT Techniques Based PV System	Lecture Notes in Electrical Engineering		Dec, 2016		
14.	Kumar K, Prabhu K R, **Ramesh Babu N** and Sanjeevikumar P	A Novel Six Switch Power Converter for Single Phase Wind Energy System Applications	Advances in Smart Grid & Renewable Energy - Lecture Notes in Electrical Engineering	435	2018		pp. 267-275
15.	S Saravanan, and **Ramesh Babu. N**	Design and Development of Single Switch High Step-Up DC-DC Converter	IEEE Journal of Emerging and Selected Topics in Power Electronics	Vol. X, No. X	Aug. 2017		pp. xxx

16.	Ramji Tiwari, Sanjeevi Kumar. P and **Ramesh Babu N**	Co-ordinated Control Strategies for Permanent Magnet Synchronous Generator Based Wind Energy Conversion System	Energies Journal	Vol. 10, No. 10	2017		(IF: 2.262)
17.	Kumar K, **Ramesh Babu N**, Prabhu K. R	Design and Analysis of RBFN Based Single MPPT Controller for Hybrid Solar and Wind Energy System	IEEE - Access	Vol. 5	Aug. 2017		pp. 15308-15317
18.	Kumar K, **Ramesh Babu N**, Prabhu K. R	Design and Analysis of Modified Single P&O MPPT Control Algorithm for a Standalone Hybrid Solar and Wind Energy Conversion System	Gazi University Journal of Science		June. 2017		
19.	**Ramesh Babu. N** and Jagan Mohan. B	Fault Classification in Power Systems using EMD and SVM	Ain Shams Engineering Journal	Vol. 8, No. 2	2017		pp. 103-111
20.	Velappagari Sekhar and **Ramesh Babu N**	Modified fuzzy logic based control strategy for grid connected Wind Energy Conversion System	J. Green Engineering	Vol. 6, No. 4	June 2017		pp. 369-384
21.	Ramji Tiwari and **Ramesh Babu N**	Comparative Analysis of Pitch Angle Controller Strategies for PMSG Based Wind Energy	International Journal of Intelligent Systems and Applications	Vol. 9, N0. 5	May 2017		pp.62-73

		Conversion System					
22.	S Saravanan, and **Ramesh Babu. N**	A Modified High Step-Up Non-isolated DC-DC Converter for PV Application	Journal of Applied Research and Technology				
23.	S Saravanan, and **Ramesh Babu. N**	Analysis and implementation of high step-up DC-DC converter for PV based grid application	Applied Energy	Vol. 190	Mar. 2017		pp. 64-72
24.	Kumar K, **Ramesh Babu N**, Prabhu K. R	Design and Analysis of an Integrated Cuk-SEPIC Converter with MPPT for Standalone Wind/PV Hybrid System	International Journal of Renewable Energy Research-IJRER	Vol. 7, No. 1	Mar. 2017		pp. 96-106
25.	**Ramesh Babu. N** and Jagan Mohan. B	Fault Classification in Power Systems using EMD and SVM	Ain Shams Engineering Journal	Vol. 8, No. 2	2017		pp. 103-111
26.	Akhil S Menon, **Ramesh Babu N,** Sreedhar Desabhatla	Study on the Impact of Turbine Controls on Transient Stability of Synchronous Machine	J. Green Engineering	Vol. 6, No. 2	Nov. 2016		pp. 1-22
27.	S Saravanan, and **Ramesh Babu. N**	Modified High Step-Up Coupled Inductor based DC-DC Converter for PV Applications	Gazi University Journal of Science	Vol. 29, No. 4	Dec. 2016		pp. 981-986
28.	Ramji Tiwari and **Ramesh Babu N**	RECENT DEVELOPMENTS OF CONTROL STRATEGIE	Renewable and Sustainable Energy Reviews	Vol. 66	2016		pp. 268-285

		S FOR WIND ENERGY CONVERSION SYSTEM					
29.	S Saravanan, and **Ramesh Babu. N,**	RBFN based MPPT algorithm for PV system with high step up converter	Energy Conversion and management	Vol. 122	2016		pp. 239-251
30.	S Saravanan, and **Ramesh Babu. N**	Maximum Power Point Tracking Algorithms for Photovoltaic System - A Review, Reviews	Renewable and Sustainable Energy	Vol. 57	2016		pp. 192-204
31.	S Saravanan, and **Ramesh Babu. N**	Non-Isolated DC-DC Converter for Renewable Based Grid Application	Energy Procedia	Vol. 103	Apr./ Dec. , 2016		pp. 310-315
32.	**Ramesh Babu N** and Ramji Tiwari	FUZZY LOGIC BASED MPPT FOR PERMANENT MAGNET SYNCHRONOUS GENERATOR IN WIND ENERGY CONVERSION SYSTEM	IFAC – PapersOnLine	Vol. 49, Issue 1	2016		pp. 462-467
33.	Lakshmi K, Harsha Sunny and **Ramesh Babu. N,**	Neural Network based State Estimation of Gas Turbine Engine	Global Journal of Pure and Applied Mathematics	Vol. 11, No. 6	<mark>2015</mark>		pp. 4365-4374
34.	Athul, K.S and **Ramesh Babu, N**	The Field Oriented Control of Induction Motor using FPGA	Global Journal of Pure and Applied Mathematics	Vol. 11, No. 3	<mark>2015</mark>		pp. 1157-1170
35.	S Saravanan,	Design and Analysis of MPPT based	International Journal of Applied	Vol. 10, No. 30	<mark>May. 2015</mark>		pp. 22839-22843

	Ramesh Babu. N, Vivek Siwach, Gaurav Kumar	PV System using Boost and SEPIC Converter	Engineering Research			
36.	RINU. P.S. and **Ramesh Babu, N**	DESIGN AND ANALYSIS OF OPTIMAL FRACTIONAL-ORDER PID CONTROLLER	International Journal of Applied Engineering Research	Vol. 10, No. 30	<mark>May. 2015</mark>	pp. 23000-23002
37.	Rahul Pazhampilly, Saravanan S and **Ramesh Babu N**	Incremental Conductance based MPPT for PV System Using Boost and SEPIC Converter	ARPN Journal of Engineering and Applied Sciences	Vol. 10, No. 7	<mark>April 2015</mark>	pp. 2914 – 2919
38.	Velappagari Sekhar and **Ramesh Babu N**	Design and Analysis of Linear STATCOM Model for Wind Energy Conversion System	International Journal of Applied Engineering Research,	Vol. 10, No. 10	<mark>Mar. 2015</mark>	pp. 9976-9981
39.	Lakshmi . K, Harsha Sunny, Reshmi Rose Joseph, Jobin John and **Ramesh Babu. N**,	Automatic Meter Reading Using Labview,	International Journal of Emerging Technology and Advanced Engineering	Volume 5, Issue 4	<mark>April 2015</mark>	pp. 78-80
40.	**Ramesh Babu, N**., B. ANAND BABU CHINTA DHANIKARPRADEEP REDDY and MEDA GOWTHA	Comparative Study of ANFIS and ARIMA Model for Weather Forecasting,	Indian Journal of Science and Technology	Volume 8, Issue 1(S2)	<mark>Jan. 2015</mark>	pp. 70-73

	M.						