

**LIST OF PAPERS PUBLISHED in 2017**

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/ Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
	Biswas, P., Chakraborti, D., Pal, B.,	Modelling Multiobjective Bilevel Programming for Environmental- Economic Power Generation and Dispatch using Genetic Algorithm	International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA- 2017), (to be published in CCIS Series, Springer)	Conference	International	ISSN: 1865- 0929
	Naskar, R., Ghosh,S., Mandal, R.,	., “Estimation & Analysis of a 5KWP Solar Photovoltaic Power Plant at JIS College of Engineering, Kalyani.”	volume: 04 issue:02,feb -2017, e-issn: 2395 - 0056, p-issn: 2395- 0072, www.irjet.net.	<b>International research journal of engineering and technology (IRJET),</b>	<b>International</b>	www.irjet.net

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Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/ Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Mukhopadhyay, D., Chanda, R., Biswas, P., Chakraborti, D	Soft Computing Approach to Electrical Transmission Network Congestion Management	Lect. Notes in Networks, Syst, Vol 11 (to be published)	Conference	International	ISBN: 978-981-10-3952-2
2	Chanda, R., Mukhopadhyay, D., Biswas, P., Chakraborti, D.	Optimization of Environmental-Economic Power Generation and Dispatch via GA based Multi-objective Bi-level Programming	Proceedings of International Conference on Industry Interactive Innovations in Science, Engineering and Technology, pp. 139	Conference	International	-
3	Basudeb Dey	Study the effect of modulation index on power quality of reduced switch MLI	IJETR/04/1620	Journal	International	2395-0072
4	Naskar, R., Mandal, R., Ghosh, S.,	Analysis on Carbon Credit of a 5KWP Solar Photovoltaic Power Plant at JIS College of Engineering, Kalyani.”	<b>Imperial Journal of Interdisciplinary Research (IJIR),</b>	Journal	National	ISSN: 2454-1362
5	Sudip Das, Biswamoy Pal, Milan Sasmal, Partha Das, Basudeb Dey, Sukalyan Majhi	Design & Development of Dual Axis Solar Tracking System to Get Optimum Power	International Journal of Innovations in Engineering and Technology (IJJET	Journal	International	ISSN: 2319 – 1058
6	P.Das	A unique model of Characterization & performance Estimation of various solar photovoltaic cells using Microcontroller.		International Conference Proceeding		978-1-4799-3339-6
7	P.Das	Solar Energy Utilization for Geographical		International Conference Proceeding		978-1-4799-3339-6

		Exploration.				
8	P.Das	Fault Tolerance and Power Quality study of DFIG based wind Turbine System		International Journal		ISSN no:6545,Impact Factor:6.83

**LIST OF PAPERS PUBLISHED in 2015**

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No./ISSN No.
1	Biswas, P., Pal, B.,	Fuzzy Goal Programming Approach to Solve Linear Multilevel Programming Problems using Genetic Algorithm	International Journal of Computer Applications, pp.10-19, Vol.115(3),2015	Journal	International	SSN: 0975 – 8887
2	Biswas, P., Pal, B.,	Fuzzy Goal Programming Approach for Solving Congestion Management in Electrical Transmission Network using Genetic Algorithm	Advances in Intelligent Systems and Computing (AISC), Springer, Vol. 339, 2015, pp.695-703.	Journal	International	ISSN: 2194-5357
3	Swagata Banerjee , Biswamoy Pal	Two Level Inverter Based on Space Vector Pulse Width Modulation Technique	International Journal of Engineering Trends and Technology (IJETT)	Journal	International	
4	Swagata Banerjee , Biswamoy Pal	Design of A Three Phase Reduced Switch Multilevel Inverter Based on Different SPWM Techniques	International Journal of Engineering Research & Technology (IJERT)	Journal	International	ISSN: 2278-0181
5	Milan Sasmal, Rajat Bhattacharjee	Simulation of ICA-PI Controller of DC Motor in Surgical Robots for Biomedical Application	ICAME, @ JIS College of Engineering, page no. 175-184, 15/01/2015	Conference paper	International	DOI: 10.1007/978-81-322-2256-9_16, Springer, New Delhi, Print ISBN 978-81-322-2255-2, Online ISBN 978-81-322-2256-9
6	Milan Sasmal, Debasmita Mula	Simulation of Speed Controlled Switched Reluctance Motor Drive System using MATLAB Simulink	IJERGS, Volume 3, Issue 3, page 1588-1597, 2015	Journal Paper	International	<b>(ISSN 2091-2730), Impact factor 3.843 (Scientific Journal impact factor) and 5.18 ICV</b>

**LIST OF PAPERS PUBLISHED in 2014**

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	Biswas, P.,	Genetic Algorithm Based Multiobjective Bilevel Programming for Optimal Real and Reactive Power dispatch under Uncertainty	Computational Intelligence applications in Modeling and Control, Series Title: Studies in Computational Intelligence by Springer-Verlag, Germany, Vol. 575, 2014, pp. 171-203	Book Chapter	International	<hr/> <b>Online ISBN</b> 978-3-319-11017-2 <hr/> <b>Series ISSN</b> 1860-949X
2	Biswas, P., Pal, B.,	GA Based FGP to Solve BLP Model of EEPGD Problem	Encyclopedia of Business Analytics and Optimization (Book Chapter), IGI Global, pp. 494-510, 2014	Book Chapter	International	ISBN 978-1-4666-5205-7 (print & perpetual access)
3	Basudeb dey	Defence Mechanisms for grid Distribution in India Due to Power-Swing in the Interconnected Grids (pp. 382-385)	ISBN 978-1-4799-3339-6	ICONCE 2014	International	2395-0072
4	Naskar, R., Mandal, R.	A Unique Model of Characterization & Performance Estimation of various Solar PHOTOVOLTAIC Cells/Modules using microcontroller”		International Conference on 1st Non Conventional Energy, Organized by JIS College of Engineering, Kalyani, Nadia-741235, India during January 16-17,2014	International Conference	<b>ISBN No/ISSN No.-</b> 978-1-4799-3339-6/14/\$31.00©2014 IEEE.
5	Suparna Pal, Debasis Jana	Pitch angle Control of Variable speed wind Turbine Generation”	International Journal of Electrical Engineering Technology (IJEET) ,in volume 5,Issue 4, April 2014,PP 49-60, ISSN 0976-6545(Print) ISSN 0976-6553(online),impact factor 6.8310	Journal	International	0976-6545(Print) ISSN 0976-6553(online),im pact factor 6.8310
6	Biswamoy Pal, Reetam Mondal	Overall THD Analysis of Multicarrier PDPWM based new Cascaded Multilevel Inverter with Reduced Switch of	International Journal of Emerging Technologies and Engineering	Journal	International	ISSN 2348 – 8050

		Different Levels at different carrier frequency				
7	B. Pal , B. Dey , C. Debnath , S. Banerjee	Design and Development of Level Shifted SPWM Techniques based Reduced switch Multilevel Inverter	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Journal	International	ISSN (Print) : 2320 – 3765

**LIST OF PAPERS PUBLISHED in 2013**

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	<b>Biswas, P.</b> , Pal, B., Mukhopadhyay,	GA Based FGP Approach for Optimal Reactive Power Dispatch	Procedia Technology, Elsevier, Vol. 10, pp. 464-473, 2013	Journal	International	ISSN: 2212-0173
2	<b>Biswas, P.</b> , Chakraborti, D., Pal, B.,	FGP Approach for Solving Fractional Multiobjective Decision Making Problems using GA with Tournament Selection and Arithmetic Crossover	Procedia Technology, Elsevier, Vol. 10, pp. 505-514, 2013.	Journal	International	ISSN: 2212-0173
3	<b>Biswas, P.</b> , Pal, B., Mukhopadhyay, A.,	A Priority based Fuzzy Goal Programming Method for Solving Thermal Power Generation-Dispatch Problems using Genetic Algorithm	CSI Journal of Computing, Vol. 2, No. 1, pp. 62-71, 2013	Journal	National	e-ISSN 2277-7091
4	S.Pal, T.K.Basak, S.Das, R.Chakraborty, N.C.Ganguly.	'THREE LEVEL VSI BASED D-STATCOM CONTROL IN LOW VOLTAGE DISTRIBUTION SYSTEM'	International conference on Computation and communication Advancement (IC3A)-2013	Conference	International	ISSN:978-1-25-906393-0
5	S.Das, S.Pal, T.K.Basak, N.C.Ganguly.	'CLOCK SYNCHRONIZATION OF A REAL TIME NETWORK CONTROL SYSTEM USING INTERACTIVE CONVERGENCE ALGORITHM'	International conference on Computation and communication Advancement (IC3A)-2013	Conference	International	ISSN:978-1-25-906393-0
6	S.Pal, S.Dalapati, S.Das,A.M.Roy.	'Evaluation of Dual Three-Level VSI based STATCOM for improvement of Power Quality'	Vol.1(8),pp.453-460.	Journal of Academia and Industrial Research (JAIR)	International	ISSN:2278-5213
7	S.Pal,S.P.Ray,L.Chongdar,D.Dasgupta,D.Gayen	'Reduction of THD using three level twenty-four pulse VSI based STATCOM'	Vol.1(12),pp.740-746.	Journal of Academia and Industrial Research (JAIR)	International	ISSN:2278-5213
8	S.Pal,S.P.Ray,L.Chongdar,D.Dasgupta.	'Performance analysis of a three level twelve- pulse VSC based STATCOM under fault condition'	Vol.6(9),pp.5189-5194.	Indian Journal of Science and Technology(IJST)	International	ISSN:0974-5645

9	Prof. Ratan Mandal (JU) & Prof. Rakesh Naskar	An unique method of characterization & Performance estimation of various solar PHOTOVOLTAIC cells/modules Using Microcontroller: A review.	Instrumentation & Control (NATCONIC 2013)	Conference	National	ISBN No.978-93-82359-56
10	Lusika Roy	Economic Environmental Dispatch of Thermal Power System Using Simulated Annealing –Based Multiobjective Optimization Algorithm: AMOSA	IC3A-2013, Pg.No. 14-22	Conference	International	ISBN No.-13:978-1-25-906393-0
11	Bikash Dey, Lusika Roy	A practical simulation study on load frequency control using Integral, PI, PID controller for a two area interconnected power system	CCDE-2013	Conference	National	Not Applicable
12	Lusika Roy, Bikash Dey	Simulation study of load frequency control using PI & PID controller for interconnected power systems	MTPCMD-2013	Conference	National	Not Applicable
13	Soma Biswas, S.K. Goswami, S. K. Mitra	Reduction of Harmonics Distribution with Optimal Siting and Sizing of Distributed Generation	IC3A-2013	Conference	International	ISBN No.-13:978-1-25-906393-0
14	Soma Biswas, S.K. Goswami, A. Chatterjee	A study of the factors influencing the optimal size and site of DG	ICEES-2013 (Singapore)	Conference	International	
15	P. Ray, A. Basuray and A. K. Maitra	Optimum Wavelet Bases Selection for Wavelet Based De-Noiseing in Partial Discharge Measurement	Proceeding of ICT'13, Tamil Nadu, India, 11 <sup>th</sup> - 12 <sup>th</sup> April 2013, pp 1110-1113, 2013	Conference	International	(ISBN – 978–1–4673–5759–3)
16	P. Ray, A. Basuray and A. K. Maitra	Extract Partial Discharge Signal using Wavelet for On-line Measurement	Proceeding of ICCSP'13, Melmaruvathur, India, 3 <sup>rd</sup> - 5 <sup>th</sup> April 2013, pp 888-892, 2013.	Conference	International	(ISBN – 978–1–4673–4865–2)
17	P. Ray, A. Basuray and A.	A New Threshold Function for De-	Proceeding of ICSIPR'13,	Conference	International	(ISBN – 978–1–4673–4861–4)



	K. Maitra	noising Partial Discharge Signal based on Wavelet Transform	Coimbatore, India, 7 <sup>th</sup> - 8 <sup>th</sup> Feb. 2013, pp 185-189, 2013.			
18	Suparna Pal	The Soft Control Analysis of Load Frequency Control and mitigation of Instability of Power System		National Conference on Control, Communication & Device Electronics(N3CD-2013)	National	
19	Suparna Pal	A Novel Software Approach Control Scheme of Renewable Energy Application in Smart Grid”		National Conference on Control, Communication & Device Electronics(N3CD-2013)	National	
20	Suparna Pal	The Soft Control Analysis of Load Frequency Control and mitigation of Instability of Power System		National Conference on Control, Communication & Device Electronics(N3CD-2013)	National	
21	Suparna Pal	Fuzzy logic controller as a power system stabilizer and optimizer		National Conference on Control, Communication & Device Electronics(N3CD-2013)	National	
22	Reetam Mondal	Microcontroller based Temperature Monitoring and Closed Loop Control to study the Reaction of Controlled Variable with Respect to Load Changes	Vol. 153, Issue 6, pp.148-154	International Journal (IFSA)	International	ISSN No. 1726-5479
23	Reetam Mondal	PLC Based Temperature Monitoring and Closed Loop Control of a Reaction Vessel	Conference Proceedings Page No.150-157	Conference (N3CD 2013)	National	Not Applicable
24	Reetam Mondal	Application of Angular Position Control System of Stepper Motor in Robot Arm Movement based on 8051 Microcontroller	Conference Proceedings Page No.217-222	Conference (N3CD 2013)	National	Not Applicable
25	Reetam Mondal	Embedded System of DC Motor Closed Loop Speed Control based on 8051 Microcontroller	Book of Abstracts, Page No.119	International Conference (CIMTA 2013)	International	ISBN No. 978-93-5123-672-3
26	P. Ray, A. K. Maitra and Arijit Basuray	On-line Partial Discharge Monitoring using MATLAB interface with DSO	Proceeding of 2013 IEEE Conference on Condition Assessment Techniques in Electrical Systems	CATCON 2013, Kolkata, India, 6 <sup>th</sup> - 8 <sup>th</sup> Dec 2013. pp. 383 - 385, 2013		ISBN – 978-1-4799-0081-7

27	P. Ray, A. Basuray and A. K. Maitra	Optimum Wavelet Bases Selection for Wavelet Based De-Noising in Partial Discharge Measurement	Proceeding of 2013 IEEE Conference on Information and Communication Technologies ,	ICT'13, Tamil Nadu, India, 11 <sup>th</sup> - 12 <sup>th</sup> April 2013, pp 1110-1113, 2013		(ISBN – 978–1–4673–5759–3)
28	Naskar, R., Mandal, R	“An unique method of characterization & Performance estimation of various solar PHOTOVOLTAIC cells/modules Using Microcontroller: A review”,		National <b>Conference</b> on Instrumentation & Control (NATCONIC 2013) organized by HIT, AEIE Dept. KOLKATA-107, during February 26-27, 2013.	National	<b>ISBN No/ISSN No.-</b> <u>978-93-82359-56-2/13/@2013hitk</u>

LIST OF PAPERS PUBLISHED in 2012

Sl	Author (Including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/ Conferen ce/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No/ISSN No.
1	<b>Biswas, P.,</b> Pal, B., Mukhopadhyay , A.,	Using Genetic Algorithm to Goal Programming Model of Solving Economic- Environmental Electric Power Generation Problem with Interval- Valued Target Goals	Communications in Computer and Information Science, Springer, Heidelberg, Vol. 283, pp. 156-169, 2012.	Conferen ce	International	ISSN: 1865-0929
2	<b>Biswas, P.,</b> Pal, B., Mukhopadhyay , A.,	Using Fuzzy Goal Programming to Solve Electric Power Generation and Dispatch Problem via Genetic Algorithm	International Conference on Intelligent Infrastructure, McGraw Hill Professional, pp. 291-297, 2012	Conferen ce	International	ISBN-13:978-1- 25-906170-7
3	Biswas, P., Pal, B., Chakraborti, D., Mukhopadhyay , A.,	An Application of Genetic Algorithm Method for Solving Patrol Manpower Deployment Problems through Fuzzy Goal Programming in Traffic Management System: A Case Study	International Journal of Bio- Inspired Computation, Vol. 4, No. 1, pp.47-60, 2012	Journal	International	ISSN: 1758-0374
4	<b>Biswas, P.,</b> Chakraborti, D.,	An Application of Genetic Algorithm for Solving Academic Personnel Planning Problems in University Management System via Fuzzy Goal Programming with Penalty Functions	International Journal of Computer Applications, Vol. 38, No. 12, pp.23- 32, 2012	Journal	International	ISSN: 0975 – 8887
5	S.Pal and S.Dalapati	‘Digital Simulation of two level inverter based on space vector pulse width modulation’	Vol.5, Issue 4, pp.2557-2568.	Indian Journal of Science and Technolo gy(IJST)	International	ISSN:0974-5645
6	S.Pal and S.Dalapati	‘Low Distortion Three Phase Sine PWM Using a General Purpose Micro- Controller’	Vol.4, No.4, pp.378- 408.	Internatio nal Journal of Power ELECTRO	International	ISSN:1756-6398

				NICS (INDERSCIENCE Publishers)		
7	S.Pal and S.Dalapati	'Digital Simulation of Eighty-Four pulse Statcom for improvement of Power Quality'	Vol.5, No.III, pp.225-236.	International Journal of Engineering Research and Industrial Application(IJERIA)	International	ISSN:0974-1518
8	S.Pal , S.Dalapati & S.Das	'Digital Simulation of Forty Eight pulse STATCOM for Reduction of Voltage Instability and Improvement of Power Quality'	Vol.5, Issue 10, pp.3506-3518.	Indian Journal of Science and Technology(IJST)	International	ISSN:0974-5645
9	S.Pal , S.Dalapati & N.C.Ganguly.	'Application of Multilevel Voltage- Source- Converter(VSC)in FACTS devices for Power System Voltage Control & Reactive Power Compensation'	Vol.2, Issue 6, pp.4201-4206	International Journal of Modern Engineering Research (IJMER)	International	ISSN:2249-6645
10	S.Pal,S.Dalapati, S.Ghosh,S.Biswas & S.Das.	'Digital Simulation of a Statcom based on twelve pulse VSC for FACTS application in Power System'	Vol.3,No.2,pp.135- 144	Indian Journal of Scientific Research (IJSR)	International	ISSN:2250-0138
11	Prof. Ratan Mandal (JU) & Prof. Rakesh Naskar	A Study of Solar Photovoltaic Application in Irrigation System and Its Performance Analysis in Laboratory Scale	Volume 1, Issue 1, pp. 1-14,	Journal (IJAEED)	International	
12	Prof. Ratan Mandal (JU) & Prof. Rakesh Naskar	A Comparative Study and Performance Analysis of Two Similar Solar Photovoltaic Irrigation Systems; One	Volume 1, Issue 1, pp. 15-35,	Journal (IJAEED)	International	

		with SPV Panel Cleaning Mechanism and another One, without Cleaning Mechanism				
13	S. Biswas, S. K. Goswami, A. Chatterjee	Optimum distributed generation placement with voltage sag effect minimization	Energy Conversion and Management Vol.53 (2012) pp.163-174.	Journal	International	ISSN No.: 0196-8904
14	Soma Biswas, S.K.Goswami,A. Chatterjee	A study of the factors influencing the optimal size and site of DG	JO CET	Journal	International	
15	Suparna Pal	A Novel Software Approach Scheme Analysis And Utility of Transient Stability Analysis In Power System	Volume 1,Issue 10(December-2012)	IJERT(International journal of Engineering Research & Technology	International	ISSN:2278-0181
16	Suparna Pal	Power System Transient Stability Analysis and Improvement by FACTS Controllers”	Volume 1,Issue 10(December-2012)	IJERT(International journal of Engineering Research & Technology	International	ISSN:2278-0181
17	Suparna Pal	Design of Robotics Technology For Application in the Electrical Field with Narrow and Hazardous Space	Volume 1, Issue 10(December-2012) Transient Stability pp-57-62, ISSN:2278-1323.	IJARCET(International journal of Advanced Research in Computer Engineering & Technology)	International	ISSN:2278-1323.
18	Suparna Pal	A New Approach to Improve Power Quality and Energy saving Scheme by Dimming of Light Intensity	Volume 1,Issue 10(December-2012) pp-50-56,	IJARCET(International journal of Advanced	International	ISSN:2278-1323.

				Research in Computer Engineering & Technology)		
19	Suparna Pal	Analysis of An Electrical Sub System at Loss of Excitation Condition in Mat lab Simulink	11 <sup>th</sup> and 12 <sup>th</sup> January,2012	International Conference on Recent Development in Computational Intelligence and Engineering applications (ICRDCIEA-2012)	International	
20	Suparna Pal	Data Telemetry and SCADA for Continuous System Telemetry Harness		International Conference on Computation and Communication Advancement (IC3A-2013)	International	ISBN No.-13:978-1-25-906393-0
21	Suparna Pal	An Automation of Electrical Application or Saving of Energy and Improvement of Reliability of Power System		International Conference on Computation and Communication Advancement (IC3A)-2013	International	ISBN No.-13:978-1-25-906393-0
22	Suparna Pal	A Novel Study of Automatic Generation Control by Software		International Conferen	National	ISBN No.-13:978-1-25-906393-0

		Analysis		ce on Computat ion and Communi cation Advance ment (IC3A)- 2013		
23	Reetam Mondal	Dissemination of Nano-Scale Technology in Social and Ethical Dimensions	Book of Abstracts, Page No.19.	Conferen ce (ETTVE 2012)	National	
24	Reetam Mondal	Open Loop Power and Temperature Control System using 555 Timer and Optically Isolated TRAIC Driver Circuit	Book of Abstracts, Page No.19	Conferen ce (MFIIS 2012)	National	