

**Brief Profile: Dr. Majid Jamil**  
**Professor,**  
**Department of Electrical Engineering,**  
**Faculty of Engineering & Technology**  
**Jamia Millia Islamia,**  
**New Delhi-110025**



Dr. Majid Jamil is Professor of Electrical Engineering at Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi since January 2010. **He was Head of the Department of Electrical Engineering from 2014 to 2017.** He joined the Department as a lecturer in 1992. Dr. Jamil has also served as Assistant Professor at BITS-Pilani, Dubai Campus, U.A.E from 2003 to 2006.

Dr. Jamil has published more than 150 research papers in SCI, SCOPUS and other refereed journals and conferences. **Thirteen PhDs and twenty five M. Tech. Dissertation thesis** have been awarded under the supervision of Dr. Jamil. Presently he is supervising Eight Phd Scholars. He is the author of text book **“Grid Integration of Solar Photovoltaic Systems, CRC Press, Taylor and Francis, USA** and edited two books and wrote several book chapters.

**Prof. Majid Jamil is a recipient of MHRD Fellowship for Leadership for Academicians Program (LeAP) in Higher Education funded by Govt. of India.** He successfully completed three week Program, two weeks domestic at JMI and one week foreign at University of Viginia US in March, 2019.

Prof. Jamil received the achievement award **“RULA RESEARCH RATNA AWARDS 2019”**, for “Excellent work in Power Systems and Energy” awarded by, “RULA Awards” Powered by, “World Research Council” & “United Medical Council”.

During Headship, Prof. Jamil has motivated colleagues and students to improve the research atmosphere in the Department. A good number of academic activities are organized during this period. He established a QIP Centre at the Department in JMI. He received grant of more than Rs. 30 million from different government agencies. Received grant under Visvesvarya Ph.D Scholarships scheme of Department of Electronics & IT for full time Ph.D. Scholars in 2015. Department organized very successful IEEE INDICON International Conference in December 2015 in which around 800 papers were presented and published. One national conference, three GIAN Programmes, two curriculum revision workshops and one Faculty Development Programme apart from several talks from Alumni and memorial lectures have also been organized during his tenure of headship 2014-17.

Dr Jamil has done extensive research in the area of Power Protection, Solar PV Systems, Petri nets, fuzzy logic, IEC 61850 and Digital Substations. He has successfully completed

three research projects as Principal Investigators and is the Coordinator of SAP. Dr. Jamil has established Power System Research Lab, Switchgear & Protection lab, Circuit Theory lab and Electrical Machines Lab at Department of Electrical Engineering, JMI.

Prof. Jamil is Fellow of Institute of Engineers and IETE, Sr. Member of IEEE, IEEE Power Engineering Society and life member of ISTE, ICTP and Systems Society of India. Prof. Majid Jamil has also served as President of Jamia Engineering Alumni association, JEAA from 1992 to 2002.

## Curriculum Vitae:

1	Name	Dr. Majid Jamil
2	Designation	Professor
3	Experience	28 Years Teaching & Research Experience
4	Official Address	Department of Electrical Engineering Faculty of Engineering & Technology JamiaMillia Islamia, New Delhi-110025
5	Correspondence Address	B-40, Mujeeb Bagh Jamia Nagar, Okhla, New Delhi-110025
6	Phone Number	0091-9313462108, 0091- 9911949721
7	Email Id	<a href="mailto:mjamil@jmi.ac.in">mjamil@jmi.ac.in</a> , <a href="mailto:majidjamil@hotmail.com">majidjamil@hotmail.com</a>
8	Date of Birth	9 <sup>th</sup> April 1967
8	Nationality	Indian

## Academic Qualifications:

S. No	Degree	Specialization	Division/ Percentage	Institute	Year
1	Ph.D. (Electrical Engineering)	Intelligent Protection of Transmission Lines using Fuzzy Logic		JMI, New Delhi	2001
2	M. Sc. Engineering	Power Systems & Drives	Ist 66.5%	A M U, Aligarh	1992
3	B. Sc. Engineering	Electrical Engineering	Ist 79.3%	JMI, New Delhi	1989

## Academic/Teaching Experience:

S. No.	Post held	Institution/University	Duration		Experience (In Years and Months)
			From (Date)	To (Date)	
1	Professor	Department of Electrical Engineering, JMI	January 2010	Till date	10 Years plus as Professor and over 28 Years Teaching & Research
2	Associate Professor/ Reader	Department of Electrical Engineering, JMI	2002	2009	8 yrs
3	Assistant Professor	BITS Pilani, Dubai Campus, UAE	2003	2006	3 Yrs
4	Lecturer	Deptt of Electrical Engineering, JMI	1992	2002	9 Yrs

## Academic/ Administrative Responsibilities:

S. No.	Post	Institution/University	Duration		Experience
			From (Date)	To (Date)	
(1)	Chairman, Board of Studies, etc.	Department of Electrical Engineering, JMI	May 2014	May 2017	3 Years
(2)	Head of the Department/Centre, etc.	Department of Electrical Engineering, JMI	May 2014	May 2017	3 Years
(3)	University Training & Placement Officer	Jamia Millia Islamia, New Delhi	2011	2012	1 Years
(4)	Senior Warden Boys' Hostel	Jamia Millia Islamia, New Delhi	1993	2001	8 Years
(5)	UGC Nominee, Board of Governors.	Guru Nanak Dev Engineering College, Ludhiana, Punjab,	2014	2019	5 Years
(6)	Member University Court	Jamia Millia Islamia, New Delhi	2016	2017	One Year
(7)	Member, Executive Council	Jamia Millia Islamia	August 2018	March 2019	9 Months
(8)	Member, Academic Council	Jamia Millia Islamia	May 2014	May 2017	3 Years

(9)	Member, Faculty Committee	Jamia Millia Islamia, New Delhi	2008	Till date	
(10)	University Coordinator, QIP	Jamia Millia Islamia, New Delhi	2015	Till date	
(11)	Expert Selection Committees	AMU, MANUU, MITS, Gwalior, IIT Delhi, Staff Selection Board, Pant University, MEC etc.	2012	Till date	
(12)	AICTE representative in the Expert Committee of UGC	Visited Tanta University, Shri Ganga Nagar, Rajasthan	2016		
(13)	Expert of committee for Internal Promotion	MEC. Haryana.	2017	Till date	
(14)	External Member of Academic Advisory Committee (AAC),	MEC, Nuh, Haryana	2017	Till date	
(15)	Member Interview Board,	UPSC, New Delhi	2014	2016	2 Years
(16)	Superintendent Examiner	Entrance Tests, JMI	2006	2018	12 Years
(17)	Coordinator, SAP,	Department of Elect. Engg., JMI	2016	2018	2 Years
(18)	Chairman, Counting of Past Service Committee	Jamia Millia Islamia, New Delhi	2014	016	2 Years
(19)	Member of the committee for better resource utilization.	Jamia Millia Islamia, New Delhi	1998	1999	1Years
(20)	Member, Centra, Purchase Committee	Jamia Millia Islamia, New Delhi	2014	2016	2 Years
(21)	Member, Establishment Committee	Jamia Millia Islamia, New Delhi	2018	2020	2 Years
(22)	Member, House allotment committee	Jamia Millia Islamia, New Delhi	2018	2020	2 Years
(23)	Incharge, Labs	BITS-Piani, Dubai Campus	2004	2006	2 Years

(24)	Incharge, Power System Lab	Department of Electrical Engineering, JMI	1994 2006	2002 Till date	22 Years
(25)	President, Jamia Engineering Alumni Association	Jamia Millia Islamia, New Delhi	1990	2002	12 Years
(26)	Member of the Board of Studies,	Department of Electrical Engineering, JMI	1995	Till date	22 Years
(27)	External BOS Member,	Department of Elect. Engg. YMCA University of Science & Technology, Faridabad	2019	Till date	2 Years
	External BOS Member	Department of Electrical Engineering, AMU, Aligarh	2015	2018	3 Years
	External BOS Member	Department of Electrical Engineering, NIT, Srinagar	2013	2016	3 Years
	External BOS Member	Deptt. of Electrical Engineering, Baba Ghula Shah, University, Rajhori, J&K.	2012	2014	2 Years
	External BOS Member	Deptt. of Elect. Engg, DTU, Delhi	2014	2017	3 Years
	External BOS Member	Department of Economics, JMI	2015	2018	3 Years

## Awards:

S. No	Name of ward	Awarding Organization	Year
1	<b>MHRD Fellowship for Leadership for Academicians Program (LeAP) in Higher Education</b>	<b>MHRD, Govt. of India</b>	<b>2019</b>
2	<b>RULA RESEARCH RATNA AWARDS 2019”, for “Excellent work in Power Systems and Energy”</b>	<b>World Research Council &amp; United Medical Council</b>	<b>2019</b>

3	Best Paper award in an international conference	World Congress on Engineering and Computer Science WCECS 2009, University of California, Berkeley, San Francisco, USA	2009
4	Best Paper award in an international conference	IEEE INDICON-2015, JMI	2015
5	Best Paper award in a national conference	ETEEE, 2015, JMI	2015
6	Best Paper award in an international conference	JTACON2020	2020

## Number of PhDs Guided: 12

S. No.	Name of PhD Scholar	Role	Title	Status
1	Anirudh Dubey	Supervisor	Analysis of Photovoltaic System Integration into Distribution Grid	Submitted 2020
2	Iram Akhtar	Co supervisor	Integration of Renewable Energy Sources in Microgrid with Power Quality Improvement features,	Awarded 2020
3	Md. Ehteasham	Supervisor	Control Strategies for PV System Integration In Distribution System.	Awarded 2019
4	Ahmad Shariq Aneees	Supervisor	Integration of Renewable Energy Sources and Grid Management.	Awarded 2016
5	Amit Sharma	Supervisor	Electrical Distribution System Restoration Using Intelligent Techniques.	Awarded 2016
6	Rajveer Singh	Supervisor	Fault Identification in Power Systems using soft computing techniques.	Awarded 2015
7	Sanjeev Kumar Sharma	Supervisor	Fault Detection and Identification of Three Phase Transmission Systems Using Intelligent Techniques.	Awarded 2015
8	Sheeraz Kirmani	Supervisor	Techno-Economic Feasibility analysis of Solar Energy Based Distribution Generation System.	Awarded 2014
9	Md. Abul Kalam	Supervisor	Intelligent Technique Based Protection Schemes for Power Transmission System.	Awarded 2013

10	Khwaja Mohd. Rafi	Supervisor	Analysis, Modelling and Development of Integrated Renewable Energy System.	Awarded 2013
11	Rashmi Jain	Co supervisor	Electric Power Management Using FACTS— Controllers.	Awarded 2013
12	Mohammad Rizwan	Supervisor	Intelligent Models of Solar Irradiation for— large Scale Power Generation.	Awarded 2010
13	Radha Krishnan	Supervisor	Security issues in IPv6	Awarded 2009

## Scholarly Achievements:

### Books Authored

Activity	Details	Year
Books Authored	<b>Grid Integration of Solar Photovoltaic Systems, CRC Press, (Taylor and Francis Group), USA. ISBN: 13:978-1-4987-9832-7 (Hardback)</b>	2017
Book Chapters	Enabling Technologies for Smart Energy Management in a Residential Sector: A Review”, Lecture Notes in Civil Engineering, Smart Cities—Opportunities and Challenges & Springer Nature 2019, 978-981-15-2544-5, 482002_1_En (2), Vol. 58	2019
	Design of Automatic Lighting control for the Built Environment”, Lecture Notes in Smart Cities—Opportunities and Challenges, ICSC, Springer, March 14-16, 2019, (Scopus) 2019, 482002_1_En (4), Vol. 58	2019
	Effective Grid-Connected Solar home -based System for Smart Cities in India in lecture notes in Springer, March 14-16, 2019, ICSC in Jamia Millia Islamia, India.(Scopus)	2019
	A Study of Energy Management Techniques for Smart City Applications on Educational Campus, International Conference on Communication, Computing and Electronics Systems. Lecture Notes in Electrical Engineering, vol 637. Springer, Singapore 2020	2020
	Hajar Bagheri Tolabi, Advances in Electric Power Engineering, Laxmi Book Publication, Solapur-Book, 2015	2015
	Intelligent Models of Solar Energy pp, 83-11,1 ISBN- 978-1-329-06197-2	2014
Editorships	Emerging Trends in Electrical and Electronics Engineering”,	2016

	Excel India Publisher 2015; Vol. I and Vol. II. New Delhi, India, ISBN: 978-93-84869-25-0.	
Editorships	Souvenir, JTACON-2020	2020
Peer review for	Reviewed technical papers for various peer review journals and conferences including IEEE INDICON, IEEE ICPIECES, IEEE IICPE, IEEE PICON, NCORM-2020, JTACON2020, NCAFM-2019, ICSC2019, ETEEE etc.	2010-20
Member of the international Advisory Board	Member, Advisory Board in International Conference titled Vision of Solar Energy in the Kingdom of Saudi Arabia, organized by College of Engineering, Qassim University, Saudi Arabia.	
	Member of International Advisory Board in many IEEE International conferences including IEEE-ICPIECES, IEEE-INDICON, IEEE-PICON, IEEE PICON.	
	Actively involved in International collaborative research with College of Engineering, Qassim University, KSA.	

## Details of R & D Projects:

Sl. No.	Name of Scheme	Nature of Project	Amount	Duration of Project
1	DST-FIST Programme, Govt. of India.	Research	Rs. 2.03 crores	2016-2020
2	SAP-DRS-II, UGC, Govt. of India	Research	Rs. 68 lacs	2013-2018
3	RPS, AICTE, Govt. of India	Research	Rs. 18.30 lacs	2014 -2016
4	RPS, AICTE, Govt. of India	Research	Rs. 8.24 lacs	2007-2009
5	AICTE, Govt. of India.	MODROB scheme	Rs 6.00 lacs	2007-2009
6	AICTE, Govt. of India 1995-1998.	MODROB scheme	Rs 5.0 Lacs	1997-1999



## Important MoUs formulated for academic collaborations

Sl. No.	MoUs formulated	Name of agencies /Departments involved	Year of MoU (s)
	To provide various equipments to the Institute for the purposes of demonstration during vocational training or teaching.	Siemens Limited, Worli, Mumbai - 400030 & Department of Electrical Engineering, Jamia Millia Islamia,	2018
2	To Organize international conference	IEEE, India Council And Department of Electrical Engineering, JMI	2015

## Invited Talks/ Expert Lectures Delivered

S.No	Title of the talk delivered	Conference / Seminar held on Organized	Date
1	Scope of Wind Power and its Environmental Impacts	FDP Webinar IGNOU, New Delhi,	2020
2	Research Challenges in Engineering,	FDP Mewat Engineering College, Nuh,	2019
3	Grid integration issues with DGS,	FDP-2018, JSS, Noida,	2018
4	Building Energy Management,.	FDP-2017 YMCA, Faridabad,	2018
5	Issues and Challenges to power generation,	MANIPAL Institute of Technology, Jaipur,	2017
6	Solar Energy Application	Academic Staff College, JMI, New Delhi.	2016
7	Grid Connected Solar Power systems	FDP, Deptt of Electrical Engineering, DTU	2015.
8	Applications of Intelligent Techniques in Power Systems	FDP, Deptt of Electrical Engineering, DTU	2014.
9	Solar Energy and its application	FDP Deptt of Electrical Engineering, DTU-	2013.
10	Future Prospects of Renewable Energy in India.	ITS College, Greater Noida	2012
11	Energy Conservation	Academic Staff College, JMI, New Delhi.,	2011, 2010, 2009.

12	Grid Connected Solar Power systems	FDP, Deptt of Electrical Engineering, JMI,	2011
13	Intelligent Protection of Transmission Systems” during.	Summer School at MNIT, Jaipur,	2002
14	Petri Nets and its Application” at MNIT, Jaipur,	Summer School at MNIT, Jaipur,	2001

## Scholarly presentation in conferences:

### International:

Sl. No.	Title of conference or Institution	Title /Subject of presentation	Role	Date
1	World Congress on Engineering and Computer Science WCECS 2009, University of California, Berkeley, San Francisco, USA.	Solving Distribution System Overload Contingency Using Fuzzy Multi-Objective Approach Considering Customer Load Pattern	Chaired a Session Presented Paper, won best paper award	2009
2	11 <sup>th</sup> IEE International Symposium on High Voltage Engineering, Emperor College, London (UK).	An Improved Scheme Based on Fuzzy Logic for EHV Transmission Line Protection	Presented Paper	1999
3	International conference on Intelligent Systems held in Knowledge Village, Dubai, UAE.	Fuzzy Logic based application for EHV Transmission Line	Chaired a Session Presented Paper	2005

### National

Sl. No.	Title of conference or Institution	Role	Date
1	JTA Multidisciplinary International Conference (Organizing Chair), JMI, New Delhi	Delivered Inaugural Address and Invited Talk, Chaired a session and Presented Paper & won best paper award	Feb 2020
2	IEEE-INDICON-2015, New Delhi	Delivered Inaugural Address and Invited Talk, Chaired a Session Presented Paper, won best paper award	Dec 2015

3	ETEEE 2015, New Delhi.	Delivered Inaugural Address and Invited Talk, Chaired a Session Presented Paper, won best paper award	Feb 2015
4	International Conference on Intelligent Computing Techniques for smart Energy Systems, Manipal, Jaipur	Delivered an Invited Talk and Chaired a session	Dec 2018
5	National Conference on Advanced Functional Materials-2019 (NCAFM-2019), New Delhi	Chaired a Session	Nov 2019
6	Smart Cities—Opportunities and Challenges, ICSC, Department of Civil Engineering, JMI, New Delhi	Session Chaired and presented paper, won best paper award	March 2019
7	IEEE India International Conference at DTU, New Delhi	Chaired a Session	2016
8	IEEE India International Conference on Power Electronics (IICPE) at DTU.	Delivered an Invited Talk and Chaired a Session	2014

## Consulting Experience:

Sl. No.	Client /Organisation's Name	Nature of assignment	Duration of assignment
1	Jamia Millia Islamia	Energy Auditing	1999-2001
2	Jamia Millia Islamia	Installation of Roof Top Solar Power Plant	2017-2019
3	Mewat Engineering College	Installation of Roof Top Solar Power Plant	2017-2018

## List of articles in popular magazines or newspapers

Sl. No.	Date	Title	Name of magazines/newspapers	Medium
1	June 2020	توانائی اور ماحولیات کے شعبے پر کووڈ-19 کا اثر	Sahara	Urdu
2	February 2010	Intelligent Protection of Transmission line Using Fuzzy Logic	Electrical India	English
3	August 2011	Application of IRT technique in power industry	Electrical India	English

## Membership of Learned Societies:

S. No	Awarding Professional organization	Status	Membership No	Awarding year
1	Institute of Engineers	Fellow	F-1215597	2018
2	IETE	Fellow	F-500429	2018
3	IEEE	Sr. Member	93525884	2015
4	IEEE Power Engineering Society	Member	93525884	2015
5	Indian society for technical education (ISTE)	Life member	LM 15022	1996
6	Institute of Engineers, India,	Life Member	M-1352762	1998
7	ICTP	Life Member	ICICTP/99/315	1999
8	Systems Society of India, Delhi Chapter,	Life Member	LM No 30278	2006

## Details of Academic Work:

### Curriculum Development

S. No	Curriculum Developed	Activity
1	Introduced Choice Based Credit System in B. Tech. and M. Tech. Programmes.	Organized a workshop on curriculum revision for B. Tech ( Electrical Engineering ) and M. Tech ( EPSM) & M. Tech. ( CIS) programmes during 7-8 March 2017
2	Developed Course Curriculum	EET-103-Control Strategies of Renewable Energy Systems (PhD Course work)
		EEM-111-Renewable and Energy Sustainable Systems (M. Tech.)
		EE-506 Electrical Power Generation (B. Tech.)
		EE-501 Switchgear and Protection (B. Tech.)
		BEE-402-Power Station Practice (B.E.)
		BEE-202 Circuit Theory ( B.E.)
		EE-531 Switchgear and Protection Lab
		EES-313 Electrical Machines-I Lab.

3	Lab Establishment	Power System Research Lab
		Switch gear & Protection Lab
		Electrical Machines Lab
		Circuit Theory Lab
4	PG Projects	Guided at PG Level-24
5	UG Projects	Guided at ug Level-50 Plus
6	Courses Taught	Renewable and Energy Sustainable Systems,
		Switchgear and Protection,
		Power station practice,
		Electrical Machines I
		Electrical Machines II,
		Basic Electrical Engineering,
		Utilization,
		Power Systems, Energy Studies

## Organization of the Events

S. No.	Name of the Event	Grant Generated / Received	Role	Duration
1	JTA Multidisciplinary International Conference, at JMI, N. Delhi	Rs. 11 Lacs	Organizing Chair	16-18 Feb 2020
2	12 <sup>th</sup> IEEE International Conference-INDICON-2015"Energy, Environment, Electronics, Computer, Control, Communication (E <sup>3</sup> -C <sup>3</sup> )", JMI, N. Delhi.	Rs. 50 Lacs	Organizing Chair	17-19 December 2015
3	National Conference "Emerging Trends in Electrical and Electronics Engineering" organized by Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi -110025,	Rs. 6 Lacs	Chairman	6-7, February 2015
4	Two weeks A.I.C.T.E Sponsored Staff Development Programme.	Rs. 7.5 Lacs	Coordinator	2011
5	<b>GIAN Programme:</b> "Role of Smart Building Energy Management Systems in the development of Smart City", Foreign Faculty, Prof. Saifur Rehman, Advanced Research Institute at Virginia Tech (U.S.A),	Rs. 5,44,000/-	Course Coordinator	6-10 March 2018.

6	<b>GIAN Programme:</b> “Controls for Renewable Energy and Microgrids,” Foreign Faculty, Prof. Adil Nasiri, University of Wisconsin-Milwaukee, USA	Rs. 5,44,000/-	Course Coordinator	29 May-04 June 2016
7	National Seminar on New Education Policy, July 2019		Secretary	2019
8	<b>“Alumni- Faculty Interaction”</b> ,		President	2015
9	<b>JEAA Conclave, a Silver Jubilee Celebration</b> of Faculty of Engineering & Technology in.	Rs. 20 lacs	Convener	<b>2010</b>
10	National seminar on AIDS awareness sponsored by Ministry of Health, Govt. of India, organized by PEACE.		Coordinator	1996
11	The seminar on Entrepreneurship awareness camp (EAC), sponsored by DST Govt. of India., JMI		Coordinator	1994
12	<b>“STUDENTS ALUMNI”</b> interact meet in at Faculty of Engineering & Technology, New Delhi,		President	1995

## Publication

**Total Papers published: 145**  
**SCI Journals: 15**  
**SCOPUS Journals/ Conference: 60**  
**Others Journals/ Conferences: 70**

### Refereed Research Journals: SCI Indexed

S. No	Title of Paper	Authors	Journal	Page & Vol. No	Year	Indexing/ Impact Factor-IF
1	Hourly Load Shifting Approach for Demand Side Management in Smart Grid Using Grasshopper Optimization Algorithm	Majid Jamil Sonam Mittel,	IET Generation, Transmission & Distribution	Vol 14 , Issue: 5 808 – 815	2020	SCI IF 3.229
2	Analysis and design of a sustainable microgrid primarily powered by renewable energy sources with dynamic performance improvement	I. Akhtar; S. Kirmani; M. Jamil	IET Renewable Power Generation	Vol-13 Issue-7 1024-1036	2019	SCI IF 3.605
3	A comparative analysis of ANN and chaotic approach-based wind speed prediction in India	Jamil, M., Zeeshan, M.	Neural Computing and Applications	Vol 31 6807–6819	2018	SCI IF 3.570
4	New Approach for Maximizing Generation and Optimal Utilization of Available Space for Solar PV System	Anirudh Dube, M. Rizwan, Majid Jamil	Journal of Renewable and Sustainable Energy	Vol-10 Issue-6	2018	SCI IF 1.511
5	Economic feasibility of hybrid energy generation with reduced carbon emission	S. Kirmani; M. Jamil; I. Akhtar	IET Renewable Power Generation	Vol-12 Issue-8 934-942	2018	SCI IF 3.605

6	Reconfiguration of electrical distribution system using ACO methodology	Majid Jamil, Amit Sharma	Journal of Intelligent & Fuzzy Systems	Vol-35 Issue-5 4901-4908	2018	SCI IF 1.637
7	Optimal Sizing and location of SPV based MLDG in distribution system for loss reduction, voltage profile improvement with economical benefits	Majid Jamil, Ahmed Sharique Anees	Energy: International Journal (Elsevier), USA	Vol. 103 231-239	2016	SCI IF 5.13
8	Generalized Neural Network and Wavelet Transform based Approach for Fault Location Estimation of a Transmission Line	M. Rizwan, Md. AbulKalam, Majid Jamil and A. Q. Ansari	Applied Soft Computing (Elsevier), UK	Vol. 19 322-332	2014	SCI IF 4.873
9	Fuzzy Logic based Modeling and Estimation of Global Solar Energy using Meteorological parameters for Smart Grid Applications	M. Rizwan, Majid Jamil, D. P. Kothari and Sheeraz Kirmani	IEEE Transactions on Smart Grid	Vol-70 685-691	2014	SCI-E IF 10.49
10	Generalized Neural Network Approach for Global Solar Energy Estimation in India,	M. Rizwan, Majid Jamil and D. P. Kothari,	IEEE Transactions on Sustainable Energy, USA	Vol. 3 Issue-3 576-584	2012	SCI IF 7.65
11	Solar Energy Estimation using REST Model for PV-ECS based Distributed Power Generating System	M. Rizwan, Majid Jamil and D. P. Kothari	Solar Energy Materials & Solar Cells: An Inter. Journal (Elsevier)	Vol. 94 Issue-8 1324-1328	2010	SCI IF 6.019
12	Solar Energy Estimation using REST2 Model	M. Rizwan, Majid Jamil, D. P. Kothari,	International Journal on Energy & Environment, Springer	Vol. 1, pp. 367-374,	2010.	SCI IF 1.87



13	Solution for Mobile IPv6 security problem",	Majid Jamil, R Radhakrishnan, Shabana Mehruz, Moinuddin	International Journal of Computer Science and Network Security	Vol. 8, No.5, pp 243-240	2008	SCI IF 0.476
14	Current Status of Petri Nets Theory in Power Systems	Majid Jamil	Intern. Jour. of Electric Power Component and System, Taylor Francis, USA,	Vol 33, pp 263-276.	2005	SCI IF 1.06
15	Sensitivity Analysis of Fault Quantities	Majid Jamil, Parmod Kumar, Mini S. Thomas, Moinuddin	Intern. Journal of Electrical Power and Energy System, Elsevier	Vol. 22, Page Number 147-153	2000	SCI 4.418

## Refereed Journals/ Conferences: SCOPUS Indexed

S. No	Title of Paper	Authors	Journal	Page & Vol. No	Year	Index/ Impact factor
1	Analysis and Testing of Multifunctional relay using IEC-61850 Protocol	Abdul Azeem, Majid Jamil, Tanushree Bhattacharjee, Sanat	International Journal of Advanced Science and Technology	5888-5897 Vol 29 No. 7s (Special Issue)	2020	Scopus IF 0.410
2	Optimal Power Management of Renewable Energy Resources in a Standalone Micro Grid	Shamshad Ali, Uzair Malik, Majid Jamil, M A Khan	International Journal of Advanced Science and Technology	5878-87 Vol 29 No. 7s	2020	Scopus IF 0.410

3	PV - Wind Grid Connected System for the Rural Electrification	Shamshad Ali, Majid Jamil, M A Khan	International Journal of Advanced Science and Technology	5854-60 Vol 29 No. 7s	2020	Scopus IF 0.410
4	An Efficient and cost effective configuration of PV System in Smart Grid Environment	Arjun Baliyan, Majid Jamil, M. Rizwan	International Journal of Advanced Science and Technology	Vol-29 4263 - 4278	2020	Scopus IF 0.410
5	Design of a Switching Circuit to Improve Output Power of SPV Modules during Partial	Rana S. A., Jamil M., Khan M. A.	International Journal of Advanced Science and Technology	Vol 29 1026-1034	2020	Scopus IF 0.410
6	State of the Ability in Research on Microgrid Hybrid Energy Systems	Iram Akhtar, Sheeraz Kirmani and Majid Jamil	Journal of Engineering Science and Technology Review	Vol-12 Issue-5 8-24	2019	Scopus IF 0.11
7	Real Time Operation of IEC 61850 based Digital Substation	Bhattacharjee Tanushree and Majid Jamil	International Journal of Engineering & Advanced Technology	Vol-9 Issue-1 2698-2703	2019	Scopus IF 6.02
8	Development of effective technique for integration of hybrid energy system to Microgrid	Sheeraz Kirmani, Majid Jamil and Iram Akhtar	Lecture Notes in Smart Innovation, Systems and Technologies	Vol-79 51-61	2018	Scopus IF 0.59
9	New Approach for Maximizing Generation and Optimal Utilization of Available Space for Solar PV System.	Anirudh Dube, M. Rizwan, Majid Jamil,	Journal of Renewable and Sustainable Energy,	Vol.10, No.6,	2018	Scopus IF 1.575
10	Bi-directional Power Control Mechanism for a Microgrid Hybrid Energy System with Power Quality Enhancement Capabilities	Sheeraz Kirmani, Majid Jamil and Iram Akhtar	International Journal of Renewable Energy Research	Vol- 7 No-4	2017	Scopus IF 3.12

11	A strategy for FTR bidding in deregulated electricity markets	Jain, R, Siddiqui, A.S., Majid Jamil, Gupta, C.P., Preeti	International Journal of Systems Assurance Engineering and Management	Vol- 8, 78-89	2017	Scopus IF 1.02
12	Effective low cost Grid-Connected Solar Photovoltaic System to Electrify the Small Scale industry/Commercial Building	Sheeraz Kirmani, Majid Jamil and Iram Akhtar	International Journal of Renewable Energy Research	Vol-7 No-2	2017	Scopus IF 3.12
13	Fault Detection and Classification in Electrical Power Transmission System using Artificial Neural Network	Majid Jamil, Sanjeev Kumar Sharma and Rajveer Singh	Springer Plus, Engineering	Vol-4 1-13	2015	Scopus IF 1.780
14	Empirical Correlation of Estimating Global Solar Radiation Using Meteorological Parameters	M. Rizwan, Majid Jamil and Sheeraz Kirmani	International Journal of Sustainable Energy	Vol 34, Issue 5 327-339	2015	Scopus IF 1.330
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21	Control Techniques to optimize PV System Performance for Smart Energy Applications	Md. Ehtesham, Majid Jamil	Intern. Conf. on Smart Cities		2019	Scopus
22	Analysis of Different MPPT Techniques Under Partial and Un-shaded Condition for Solar PV System	A. Dube; M. Jamil; M. Rizwan	IEEE International Conference (ICPEICES)	576-581	2018	Scopus
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38	Passive islanding detection technique for multi-DG power system	A. Dube; M. Rizwan; M. Jamil	IEEE India Conference (INDICON)	1-6	2015	Scopus
39	Optimizing PV system performance considering the impacts of non-uniform irradiance and partial shading	M. Jamil; M. Ehtesham	Intern Conf. (ICEEE)	1-6	2015	Scopus
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45	Optimal allocation of SPV based DG system for loss reduction and voltage improvement in radial distribution systems using approximate reasoning	M. Jamil; S. Kirmani	IEEE Inter Conf. on Power Electronics (IICPE)	1-5	2012	Scopus

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47	Fault location scheme on a three phase transmission line using synchronized phasor measurement	A. S. Anees; M. Jamil; M. Rizwan	IEEE Inter Conf. Power Electronics (IICPE)	1-6	2012	Scopus
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S. No	Title of Paper	Authors	Journal/National & International Conferences	Page & Vol. No	Year
1	The Power Quality Performance Analysis of the Grid Connected Solar PV System: A case study	Anirudh Dube, Majid Jamil, and M. Rizwan	Studies in Indian Place Names	Vol. 40 no.10 206-223	2020
2	Battery Array Model for Demand Side Management in Residential Sector using Functional Link Artificial Neural (FLANN) Approach.	Majid Jamil, Mohini Yadav, and M. Rizwan	Studies in Indian Place Names	vol. 40 no.10 356-374	2020
3	MPP Technique using PSO with inertia under Dynamic Environmental Conditions	Ali S., Malik U., Jamil Majid., Khan M. A	Inter Journal of Scientific & Technology Research	Volum e- 8 Issue- 11 1854-1859	2019
4	Design and Development of Solar Photovoltaic based Hybrid System for Remote Applications	Ali S., Jamil M., Khan M. A.	Intern Journal of Engg. Research & Tech	Vol. 8 Issue 07 556-560	2019
5	Wavelet-Fuzzy based protection scheme of EHV –AC Transmission system & efficacy of discrete Fourier transform	Md. Abul Kalam, Maid Jamil	Intern Jourl of Electr System & inf techn.	Volum e 5 371-387	2018
6	Planning and Integration of Zero Energy Buildings with Consumption analysis for Metro cities in India	Majid Jamil and Mohammad Zeeshan	Intern Journal of Computational Physics Series	Vol. 1, No. 1, 309-318 IF 2.854	2018
7	Control Algorithm for Regulating Voltage & Frequency of Grid Connected PV System	Md. Ehtesham, Majid Jamil	Inter Journal of Interdisciplinary Research & Innovations	vol. 6 no. 4 275-283	2018

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9	Fault Identification In Electrical Power Distribution System Using Combined Discrete Wavelet	Majid Jamil, Rajveer Singh and Sanjeev Kumar Sharma	Journal of Electrical Systems and Information Technology	Volume 2 Issue 2 257-267	2015
10	Fault Classification of Three Phase Transmission Network using Genetic Algorithm	Majid Jamil, Sanjeev Kumar Sharma and D. K. Chaturvedi	International Journal of Engineering and Applied Sciences	vol. 2 Issue 7 84-88	2015
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13	Techno-Economic Feasibility Analysis of Solar Photovoltaic Power Generation: A Review	M. Rizwan, Sheeraz Kirmani and Majid Jamil	International Journal of Smart Grid and Renewable Energy	Vol. 3 No. 4 266-274	2012
14	FACTS Application for Congestion Management Using Fuzzy Logic	Rashmi Jain, Anwar S Siddiqui, Majid Jamil, C P Gupta	international journal on recent trends in engineering and technology	Vol.-6 No.-2 140 - 146	2011
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17	Intelligent Protection of Transmission line Using Fuzzy Logic	Majid Jamil	Electrical India	Vol- 50 No2 60-65	2010
18	A Hybrid Model For The Energy Generation Through IRES in Faridabad	Rafi K M.; Jamil M., Neena A.	S&T Journal-Global Sci-Tech	Vol. 3, No.2, 83-86	2010
19	Performance Evaluation of Solar Irradiance Models: A Comparative Study	M. Rizwan, Majid Jaml and D. P. Kothari	International Journal of Electronics & Electrical Engineering	vol. 1 142-151	2009
20	Distribution system contingency using coloured Petri nets	Majid Jamil and Amit Sharma	International Journal of Engineering Research & Industrial Applications	Vol. 1 No. 3 1-18	2008
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22	Feasibility of Import of Hydro Power to India from its Neighbouring Countries and its Environmental Benefits	Majid Jamil, Sirajuddin Ahmed and M. Rizwan	National Journal "CURIE", BITS Pilani	Vol. 1 No. 2 49-53	2008
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S. No	Title of Paper	Authors	Journal/National & International Conferences	Page & Vol. No	Year
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2	Optimal Power Management of Renewable Energy Resources in a Standalone Microgrid	Ali S., Malik U., Jamil Majid., Khan M. A.	JTACON-2020	113-117	2020
3	Power Quality Analysis and Enhancement using DSTATCOM for Three Phase Variable Load	Ali S., Jamil Majid, Khan M. A.	JTACON-2020	128-130	2020
4	PV-Wind Grid Connected System for Rural Electrification	Ali S., Jamil Majid., Khan M. A.	DREFT-2020	9-13	2020
5	Enabling Technologies for Smart Energy Management in a Residential Sector: A Review	Mohini Yadav, Majid Jamil, M. Rizwan	ICSC-2019	Vol.-58 9-21	2019
6	Review of dSPACE 1104 Controller and Its Application in PV	BhattacharjeeTanuhsree, Majid Jamil, Abdul Azeem	ICSC-2019	Vol.-58 353-362	2019
7	Smart Solar Powered Street Light System	Sonam Mittel, Majid Jamil	ICSC-2019	---	2019
8	Neural Model Based Solar Irradiance Prediction	Majid Jamil and Mohammad Zeeshan	Electrocon National Conf	---	2018
9	Planning and Integration of Zero Energy Buildings with Consumption analysis for Metro cities in India	M. Jamil and M. Zeeshan	Int Conf Computational Materials Science	---	2018

10	Power loss reduction of Electrical Distribution System using Particle Swarm Optimization	Majid Jamil, and Amit Sharma	Inter Conf-ETEITM-2017, NIT Hamirpur	---	2017
11	Classification of load sequences in smart monitored homes	Majid Jamil and M. Zeeshan	Inter Conf-ETEITM-2017, NIT Hamirpur	---	2017
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14	Performance Analysis of Solar Photovoltaic Module	Md Shamim Alam, MdIrfan, Sheeraz Kirmani and Majid Jamil	Nat. Conf. ETEEE, JMI	---	2015
15	Economical Analysis of Solar photovoltaic based distributed generation for 33 bus primary distribution system	Ahmed Sharique Anees, Majid Jamil	Nat. Conf. ETEEE, JMI	---	2015
16	Different techniques for fault detection and classification in three Phase transmission line:	Majid Jamil, S. K. Sharma and Rajveer Singh	Nat. Conf. ETEEE, JMI	---	2015
17	Single Phase Grid Connected Solar Photovoltaic System for Domestic Application	Anirudh Dube, M. Rizwan, Majid Jamil	Nat. Conf. ETEEE, JMI	266-278	2015
18	Overvoltage Protection of Transmission Lines: A Comprehensive Survey	Sheeraz Kirmani, Majid Jamil and Iram Akhtar	Nat. Conf. ETEEE, JMI	---	2015
19	Analysis and Design of Multiple Boost Converter based on Wind Energy Conversion System with Power Quality Improvement Features	Sheeraz Kirmani, Majid Jamil and Iram Akhtar	Nat. Conf. ETEEE, JMI	---	2015
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22	Genetic Programming for Congestion management using FACTS Devices	Rashmi Jain, Anwar S Siddiqui, Majid Jamil, C P Gupta, and Ruchi Makein	NEEC-2011-DTU	---	2011
23	Dynamic Analysis of Two Machine System Using UPFC	Rashmi Jain, Manisha Gupta, Anwar S Siddiqui, Majid Jamil and C P Gupta	PICON-2011	77-84	2011
24	Global Solar Energy Prediction using GNN	Majid Jamil, M. Rizwan, and D. P. Kothari	PICON 2011-AMU	254-257	2011
25	Design and Economic Analysis of SPV System for Domestic Load Demand: A Case Study	Majid Jamil, Sheeraz Kirmani, M Rizwan, D P Kothari	Nat. Conf. Micro Solar Energy Generation IIT- Kanpur	22-26	2011
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30	Solving Distribution System Overload Contingency Using Fuzzy Multi-Objective Approach Considering Customer Load Pattern	Majid Jamil, Amit Sharma	World Congress (WCECS)	Vol.- 1 520-526	2009

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33	A High Performance Model to Predict Global & Diffuse Radiation on Horizontal Surface for Various Solar Energy Applications	Majid Jamil , M. Rizwan and D. P. Kothari	Inter Conf (REA)-IITD	---	2008
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35	Comparison and Validation of Solar Irradiance Models against Ground Measurements for Indian Climatic Conditions	Majid Jamil , M. Rizwan, and D. P. Kothari	National Conference (NSC 2008)	7-13	2008
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38	Fuzzy Model to Study Effect of Different Physical Condition on Electrical Parameters of ACSR Conductors	Majid Jamil, Shabana Mahfouz, Bal Krishna	Nat. Conf. on PEIC, MNIT, Jaipur	---	2007
39	Security issues in IPv6	Majid Jamil , R Radhakrishnan, Shabana Mehruz, Moinuddin	Inter. Conf. ICNS-2007	293-296	2007
40	Management of Electricity Generation Using Taguchi Approach	Majid Jamil, Viktor Popve, Sirajuddin Ahmed, Zahid Akhtar Khan	Inter. Conf. Energy and Sustainability, , UK	---	2007

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44	Electromagnetic Fields their Biological and Environmental Effects	Mumtaz Ahmad Khan, Majid Jamil	Inter. Conf. Envir. Challe. new Millenium, JMI	670-676	1999
45	A New Travelling Wave Based Scheme for Fault Detection on EHV Transmission Line	Majid Jamil, Mini S. Thomas, Moinuddin, Parmod Kumar	Inter. Conf. MTPSEPAS-98 New Delhi	1-6	1998
46	Sensitivity Analysis of Sequence Filter	Majid Jamil, Mini S. Thomas, Moinuddin, Parmod Kumar	Inter. Conf PGSP0, IITD-97	271-275	1997
47	Decentralized Sub-Optimal AGC Regulator Design of a 2-Area Interconnected Power System with Reheat Thermal Plants Considering Generation Rate Constraint	Ibraheem, Majid Jamil	Inter. Conf Power Systems & Machines, Tehran, Iran	---	1994