

: FACULTY DETAILED RESEARCH DATA:

Name of the Faculty: Dr Rituparna Mitra

Designation: Assistant Professor

Department: Electrical Engineering

School: School of Engineering

Research Area: Power Quality, Electrical Distribution System

Details of research portfolio of faculty:

A. Researcher's ID details:

Google Scholar ID: =eH-vsIEAAAJ&hl=en

Orchid ID: 0000-0002-0437-3870

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B. Publication details:

1. Conference proceedings/ Conference paper:

Sl. No.	Name of the Conference	Title of the paper	Month & Year of Publication	Author(s) Name	National/ International	doi number (if any)	ISSN/ISBN no.
1	International Conference on Applied Mathematics & Computational Intelligence (ICAMCI-2020)	Economic Benefit Analysis by Integration of Different Comparative Methods for FACTS Devices	May 2023	Rituparna Mitra, Sadhan Gope, Arup Kumar Goswami and Prashant Kumar Tiwari	International		978-981-19-8193-7
2	2018 2nd International Conference on Energy, Power and Environment (Towards Smart Technology) (ICEPE)	Optimal Selection of Voltage Sag Mitigating Devices using Whale Optimization Algorithm for Small and Medium Sized Customers in	May 2018	Rituparna Mitra, Sadhan Gope, Arup Kumar Goswami, Prashant Kumar Tiwari	International	10.1109/EPE TSG.2018.8658703	

		Distribution System					
3	2018 3rd International Conference for Convergence in Technology (I2CT)	Wind Power Generation, an Ingredient for Charging Battery Electric Vehicle (BEV) and a useful Menace of Voltage Sag in Distribution System	March 2018	Rituparna Mitra, Arup Kumar Goswami, Prashant Kumar Tiwari	International	10.1109/I2CT.2018.8529330	
4	2017 International Conference on Technological Advancements in Power and Energy (TAP Energy)	Congestion mitigation considering solar electric vehicle: A possible solution for today's electricity market	December 2017	Sadhan Gope, Rituparna Mitra, Arup Kumar Goswami, Prashant Tiwari	International	10.1109/TAP ENERGY.2017.8397297	
5	2016 IEEE 7th Power India International Conference (PIICON)	Power transformer failure analysis using interval type-2 fuzzy set theory based fault tree analysis	December 2016	Rituparna Mitra, Galiveeti Hemakumar Reddy, Arup Kumar Goswami, Nalin B Dev Choudhury	International	10.1109/POWERI.2016.8077349	

2. Publications in SCI/Scopus indexed Journals:

Sl. No	Name of the Journal (mention SCI/scopus)	Title of the paper	Month & Year of Publication	Author(s) Name (Highlight the corresponding and 1 st author in every article)	doi number	Issue No. & Volume No.	Page no.	ISSN of the journal
1	Structures, Elsevier Scopus	Experimental investigations of resilient hybrid fiber reinforced SCC beam-	July 2022	Pritam Hait, Rituparna Mitra, Ehsan Noroozinejad Farsangi	https://doi.org/10.1016/j.istruc.2022.05.026	Vol 41	Pages 389-403	2

		column subassemblies under cyclic loadings						
2	IET Generation, Transmission & Distribution SCI	The Efficacy of Solar EV Duo: Way to Voltage Sag Mitigation	December 2019	Rituparna Mitra, Arup Kumar Goswami, Prashant Kumar Tiwari	10.1049/iet-gtd.2018.6273	Volume 14, Issue: 1	pp. 131-139	
3	IET Renewable Power Generation, Special Issue: Oscillations in Power Systems with High Penetration of Renewable Power Generations SCI	Optimal Selection of Voltage Sag Mitigating Devices for Micro Level Customer in Distribution System	October 2018	Rituparna Mitra, Arup Kumar Goswami, Prashant Kumar Tiwari	10.1049/iet-rpg.2018.5289	Volume: 13, Issue: 1	pp: 191 – 200	
4	IET Generation, Transmission & Distribution SCI	Voltage Sag Assessment using Type-2 Fuzzy system considering uncertainties in Distribution system	DECEMBER 2017	Rituparna Mitra, Arup Kumar Goswami, Prashant Kumar Tiwari	10.1049/iet-gtd.2016.0816	Volume: 11, Issue: 6,	pp: 1409 – 1419	
5	Journal of Mines, Metals and Fuels	A Review on Techniques of Power Transmission Lines Congestion Management in Deregulated Electricity Market	2024	Das, Partha, Rituparna Mitra, Basudeb Dey, Sudip Das, Biswamoy Pal, Milan Sasmal, Debodityuti Upadhaya, Gargi Roy, Aditya Pandey, and Bikramjit Roy	DOI: 10.18311/jmmf/2023/43065	Vol 71 (12A)	394-397	
6	IJE TRANSACTIONS C: Aspects	Natural and Artificial Fibre Reinforced Concrete: A State-of-art Review	March 2024	P. Hait, R. Karthik, Rituparna Mitra, R. Halder	10.5829/ije.2024.37.03c.07	Vol. 37 No. 03,	503-510	

3. Book chapter:

Sl. No.	Title of the book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)
1	Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 816)	Springer, Singapore	Sadhan Gope , Subhojit Dawn, Rituparna Mitra, Arup Kumar Goswami, Prashant Kumar Tiwari	2017	978-981-13-1592-3	10.1007/978-981-13-1592-3_25
2	An Essential Guide to Fuzzy Systems	Nova Scientific Publisher	Rituparna Mitra , Arup Kumar Goswami, Prashant Kumar Tiwari	2019	978-1-53616-128-1	
3	Synergy in Science and Engineering An Integrative Approach	AkiNik Publications	Rituparna Mitra , Avik Datta, Suvraujjal Dutta, Promit Kumar Saha, Rituparna Mukherjee and Susmita Dhar Mukherjee	2024	978-93-6135-058-0	
4	Advances in computational solutions: Integrative approaches and applications	Integrated Publications	Rituparna Mitra , Avik Datta, Promit Kumar Saha, Titas Kumar Nag, Susmita Dhar Mukherjee, Suvraujjal Dutta	2024	978-93-5834-625-1	
5	Recent Advancement In Computational Intelligence and Design Engineering	Routeledge Publication (Taylor & Francis)	Rituparna Mitra , Avik Datta, Titas Kumar Nag, Promit Kumar Saha, Rituparna Mukherjee, Susmita Dhar Mukherjee	2024	9781032980362	
6	Frontiers of Engineering Innovation: Interdisciplinary Approaches and Applications	Bluerose Publication	Rituparna Mukherjee, Susmita Dhar Mukherjee, Avik Datta, Rituparna Mitra	2024	978-93-6452-860-3	

4. Text/Reference book published from reputed national/international publishers:

Sl. No.	Title of the Text/Reference book	Publishers	Author(s) Name (Highlight the corresponding and 1 st author in every article)	Year	ISBN No.	doi no. (if applicable)
1	Advancement of Power Electronics Abridgement with Power Quality Issues	SVU	Dr. Rituparna Mitra , Dr. Rituparna Mukherjee, Avik Datta	2013	978-93-5967-749-1	
2	Electrical Engineering Developments in Recent Years	SVU	Dr. Rituparna Mitra , Dr. Rituparna	2024	978-93-340-	

			Mukherjee, Mr. Avik Datta, Ms. Arunima Mahapatra, Mr. Suvraujjal Dutta, Mr. Sujoy Bhowmik, Mr. Titas Kumar Nag		1849-3	
3	Future Energy Resources	SVU	Dr. Rituparna Mitra , Dr. Rituparna Mukherjee, Mr. Avik Datta, Ms. Arunima Mahapatra, Mr. Suvraujjal Dutta, Mr. Sujoy Bhowmik, Dr. Suryendu Dasgupta	2024	978-93-340-6874-0	

5. Project granted:

Sl. No	Sponsoring Agency	Name of the project	Duration		Amount in Lakhs	PI/ CO-PI
			Starting Month & Year	Ending month & Year		

6. Consultancy Project Grant:

Sl No.	Project title	Funding Agency	Duration	Completed (yes/no)	Sanctioned amount (in Rs.)	PI and CO-PI (if any)

7. Patent/IPR granted:

Sl. No.	Name of the patent	Name of the applicant	Name of the inventor	Date of File	Date of Publication	Whether Granted (yes/no); If yes, Date of Grant	Application No.

8.