

Department of Electronics and Electrical Engineering

Journal Publications (Since 2017)

S.No.	Faculty Name	Title	Journal	ISSN	Indexing	Year
1.	Dr. K.P. Chaudhary	A novel method of diameter measurement of pistons used in pressure standards using scanning principle and fusion technique.	Measurement Science and Technology	0957-0233	SCI	2018
2.	Dr. Meena Tushir	A conditionally positive definite kernel function for possibilistic clustering	Int. J. Artificial Intelligence and Soft Computing (Inderscience)	1755-4950	ACM Digital Library	2017
3.	Dr. Meena Tushir	A New kernel-based Possibilistic Intuitionistic Fuzzy c-means Clustering	Int. J. Artificial Intelligence and Soft Computing (Inderscience)	1755-4950	ACM Digital Library	2017
4.	Dr. Yogendra Arya	Optimal automatic generation control of two-area power systems with energy storage units under deregulated environment	Journal of Renewable and Sustainable Energy (American Institute of Physics)	1941-7012	SCI	Nov. 2017
5.	Dr. Yogendra Arya	Design and analysis of BFOA-optimized fuzzy PI/PID controller for AGC of multi-area traditional/restructured electrical power systems	Soft Computing (Springer)	1432-7643	SCI	Nov. 2017
6.	Dr. Yogendra Arya	Optimal control strategy-based AGC of electrical power systems: a comparative performance analysis	Optimal Control Applications and Methods (Wiley)	0143-2087	SCI	Nov.-Dec. 2017
7.	Dr. Yogendra Arya	Optimal control of restructured electric power systems interconnected via AC-DC links	International Journal of Research in Electronics and Computer Engineering	2393-9028	UGC Listed	Oct.-Dec. 2017
8.	Dr. Yogendra Arya	AGC of restructured multi-area multi-source hydrothermal power systems incorporating energy storage units via optimal fractional-order fuzzy PID controller	Neural Computing and Applications (Springer)	0941-0643	SCI	Jul. 2017

9.	Dr. Yogendra Arya	AGC performance enrichment of multi-source hydrothermal gas power systems using new optimized FOPID controller and redox flow batteries	Energy (Elsevier)	0360-5442	SCI	May. 2017
10.	Ms. Rakhi Kamra	A Reliable Solution to Load Balancing with Trust Based Authentication Enhanced by Virtual Machines	I.J. of Information Technology and Computer Science	2074-9007	Google Scholar	Nov 2017
11.	Dr. Yogendra Arya	BFOA-scaled fractional order fuzzy PID controller applied to AGC of multi-area multi-source electric power generating systems	Swarm and Evolutionary Computation (Elsevier)	2210-6502	SCI	Feb. 2017
12.	Dr. Yogendra Arya	Improvement in automatic generation control of two-area electric power systems via a new fuzzy aided optimal PIDN-FOI controller	ISA Transactions (Elsevier)	0019-0578	SCI	Sep. 2018
13.	Dr. Yogendra Arya	Optimal power-frequency balance in deregulated thermal, hydro and hydrothermal power systems with AC-DC links	Recent Advances in Electrical & Electronic Engineering (Bentham Science Publishers)	2352-0973	ESCI	Aug. 2018
14.	Dr. Yogendra Arya	AGC of two-area electric power systems using optimized fuzzy PID with filter plus double integral controller	Journal of The Franklin Institute (Elsevier)	0016-0032	SCI	Jul. 2018
15.	Dr. Yogendra Arya	AGC of two-area electric power systems using optimized fuzzy PID with filter plus double integral controller	Journal of The Franklin Institute (Elsevier)	0016-0032	SCI	Mar. 2018
16.	Dr. Meena Tushir	Robust Spatial Intuitionistic Fuzzy C-means with City-block Distance Clustering for Image Segmentation	Journal of Intelligent & Fuzzy Systems	1875-8967	SCI Expanded	Nov 2018
17.	Dr. Meena Tushir	Robust Spatial Intuitionistic Fuzzy C-means with City-block Distance Clustering for	Journal of Intelligent & Fuzzy Systems	1875-8967	SCIE	2018

		Image Segmentation				
18.	Ms. Rakhi Kamra	A Reliable Solution of path optimisation in LEACH protocol by implementing trust based neural network	International Journal of Communication Network and Distributed Systems(Inderscience)	1754-3924	Scopus, Compendex (Elsevier Engineering Indexed)	Oct 2018
19.	Ms. Rakhi Kamra	Component Importance Measures based Risk and Reliability Analysis of Vehicular Ad Hoc Networks	International Journal of Computer Network and Information Security(IJCNIS)	2074-9104	Google Scholar	Oct 2018
20.	Ms. Rakhi Kamra	Electrical Energy Conservation and Audit of an Educational Institute: A Case Study	International Journal of Research in Electronics and Computer Engineering	2348-2281	UGC approved	July 2018
21.	Ms. Nidhi Gupta	AGC of three area interconnected power system incorporating SMES	International Journal of Industrial Electronics and Electrical Engineering	2347-6982	UGC approved	January 2018
22.	Ms. Jyoti Jain	A Review of Particle Swarm Optimization	J. Inst. Eng. Ser. B (Springer)	2250-2114	Scopus	March 2018
23.	Ms. Jyoti Jain	Economic Load Dispatch using Adaptive Social Acceleration Constant based PSO	J. Inst. Eng. India Ser. B (springer)	2250-2114	Scopus	April 2018
24.	Ms. Jyoti Jain	Economic Load Dispatch Using Particle Swarm Optimization	International Journal of Technology and Science	2350-1111	Google Scholar	July 2018
25.	Dr. Meena Tushir	Intuitionistic Level Set Segmentation for Medical Image Segmentation	Recent Patent on Computer Science	1874-4796	Scopus	2019
26.	Dr. Yogendra Arya	AGC of restructured multi-area multi-source hydrothermal power systems incorporating energy storage units via optimal fractional-order fuzzy PID controller	Neural Computing and Applications	0941-0643	SCI	2019

27.	Dr. Yogendra Arya	AGC of PV-thermal and hydro-thermal power systems using CES and a new multi-stage FPIDF-(1+PI) controller	Renewable Energy	0960-1481	SCI	2019
28.	Dr. Yogendra Arya	Effect of energy storage systems on automatic generation control of interconnected traditional and restructured energy systems	International Journal of Energy Research	1099-114X	SCI	2019
29.	Dr. Yogendra Arya	A new optimized fuzzy FOPI-FOPD controller for automatic generation control of electric power systems	Journal of The Franklin Institute	0016-0032	SCI	2019
30.	Dr. Yogendra Arya	Impact of hydrogen aqua electrolyzer-fuel cell units on automatic generation control of power systems with a new optimal fuzzy TIDF-II controller	Renewable Energy	0960-1481	SCI	2019
31.	Ms. Jyoti Jain	Multiobjective Economic Load Dispatch Studies in 2-D and 3-D Space by Particle Swarm Optimization Technique	J. Inst. Eng. India Ser. B (springer)	2250-2114	Scopus	2019
32.	Dr. Sunil Gupta	Software defined networks for smart substations in an active distribution system	Journal of Engineering Research	2278-0181	SCIE	2019

Department of Electronics and Electrical Engineering

Conference Publications (Since 2017)

S.No.	Faculty Name	Title	Conference Name	Year
1.	Dr. Meena Tushir	Semi supervised clustering for incomplete data	SIGMA-2018	2018
2.	Dr. Meena Tushir	Performance assessment for clustering techniques for image segmentation	Advance in intelligent systems & computing (Springer)	2018
3.	Dr. Meena Tushir	Fuzzy c-means clustering strategies: A review of distance measures.	Advance in intelligent systems & computing (Springer)	2018
4.	Dr. Meena Tushir	A comparative study of fuzzy systems and neural networks for system modeling and identification	2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES-18)	2018
5.	Dr. Sunil Gupta	Modeling and Performance Analysis of Grid Connected Photovoltaic Power Systems	International Conference on Renewable Energy Potential For Sustainable Initiatives	2018
6.	Dr. Sunil Gupta	Improvement of Transient Stability Margin in RES Based Power Systems using STATCOM	International Conference on Renewable Energy Potential For Sustainable Initiatives	2018
7.	Ms. Sonia Goel	Semi supervised clustering for incomplete data	SIGMA-2018	2018
8.	Ms. Nidhi Gupta	PSO based automatic generation control of interconnected power system incorporating battery energy storage system	International Conference on Computational Intelligence and Data Science (ICCIDS 2018)	2018
9.	Ms. Nidhi Gupta			
10.	Ms. Mamta Rani	Solar electric bus	International Conference on Recent Innovation in Engineering ,Science and Management (ICRIESM-2018)	2018
11.	Ms. Rakhi Kamra	Electrical Energy Conservation and Audit of	International Conference on Engineering	2018

		an Educational Institute: A Case Study	Technology, Science and Management Innovation (ICETSMI-2018)July 2018	
12.	Ms. Rakhi Kamra	Energy Audit and Energy Conservation for a Hostel of an Engineering Institute	2nd IEEE International conference on power Electronics, Intelligent Control and Energy systems (ICPEICES-2018)	2018
13.	Ms. Jyoti Jain	Impact of Particle Swarm Optimization Parameters on its Convergence	2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES-18)	2018
14.	Ms. Jyoti Jain	Multiobjective Economic Load Dispatch Using Fuzzy Logic Decision System	2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES-18)	2018
15.	Ms. Sapna Singh	Arduino Based Robotic Arm withSix Degrees of Freedom	Journal of Emerging Technologies and Innovative Research	2019