List of Journal Publications (2014-15)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Sl. No	International/ National	Journal/ Conference	Name of Author	Title of Paper	Journal Name	Published From
1	International	Journal	G. Buja, M. Bertoluzzo, **R. Keshri**	Convenience of Sinusoidal Current Supply for Permanent Magnet Brushless DC drive	IEEE Trans. on Industrial Electronics	IEEE
2	International	Journal	G. Buja, **R. Keshri**, M. Bertoluzzo	Torque Ripple-Free Operation of PM BLDC Drives with Petal-Wave Current Supply	IEEE Trans. on Industrial Electronics (Early access)	IEEE
3	International	Journal	Cherukuri Murthy, K. Ajay Varma, Diptendu Sinha Roy, **D. K. Mohanta**	Reliability Evaluation of Phasor Measurement Unit Using Type-2 Fuzzy Set theory	IEEE Systems Journal	IEEE
4	International	Journal	Cherukuri Murthy, D. Ghosh, A. Mishra, Diptendu Sinha Roy, **D. K. Mohanta**	Reliability Analysis of Phasor Measurement Unit Using Hidden Markov Model	IEEE Systems Journal	IEEE
5	International	Journal	M. Jaya Bharata Reddy, D.Venkata Rajesh, P. Gopakumar, **D. K. Mohanta,**	Smart Fault Location for Smart Grid Operation Using Remote Telemetry Unit (RTU) and Computational Intelligence Techniques	IEEE Systems Journal	IEEE
6	International	Journal	Diptendu Sinha Roy, Cherukuri Murthy, **D. K. Mohanta**	Reliability analysis of phasor measurement unit incorporating hardware and software interaction failures	IET Generation, Transmission & Distribution	IEEE
7	International	Journal	Gopakumar, M. Jaya Bharata Reddy and **D. K. Mohanta**	Adaptive Fault Identification and Classification Methodology for Smart Power Grids Using Synchronous Phasor Angle Measurements	IET Generation, Transmission & Distribution	IEEE
8	International	Journal	B. Bhattacharyya and **Vikash Kumar Gupta**	Fuzzy based Evolutionary Algorithm for Reactive Power Optimization with FACTS Devices	International Journal of Electrical Power and Energy Systems, Elsevier	Elsevier

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9	International	Journal	**D Kumar**, SR Samantaray, G Joos	A reliability assessment based graph theoretical approach for feeder routing in power distribution networks including distributed generations	International Journal of Electrical Power and Energy Systems, Elsevier	Elsevier
10	International	Journal	**D Kumar**, SR Samantaray	Design of an advanced electric power distribution systems using seeker optimization Algorithm	International Journal of Electrical Power and Energy Systems, Elsevier	Elsevier
11	International	Journal	**Ghosh, D., Ghose, T., Mohanta, D. K.**	A graph theory approach for reliability analysis of phasor measurement units using frequency and duration technique	Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability	Sage
12	International	Journal	N Neogi, **D K Mohanta** and P K Dutta	Review of vision based steel surface inspection systems	EURASIP Journal of Image and Video Processing (Springer publication)	Springer
13	International	Journal	Gopakumar, M. Jaya Bharata Reddy and **D. K. Mohanta**	Fault Detection and Localization Methodology for Self-healing in Smart Power Grids Incorporating PMUs	Electric Power Components & Systems	Taylor and Francis
14	International	Journal	Ch Murthy, D S Roy, **D K Mohanta**	Reliability Evaluation of Phasor Measurement Unit: A System of Systems Approach	Electric Power Components & Systems	Taylor and Francis
15	International	Journal	B. Bhattacharyya and **Vikash Kumar Gupta**	Fuzzy Genetic Algorithm for the optimal placement of Flexible AC Transmission Systems devices in a power system	Electric Power Components and Systems	Taylor and Francis
16	International	Journal	**D Kumar**, SR Samantaray,I Kamwa, NC Sahoo	Reliability-constrained based optimal placement and sizing of multiple distributed generators in power distribution network using cat swarm optimization	Electric Power Components and Systems	Taylor and Francis
17	International	Journal	**D Kumar**, SR Samantaray, I Kamwa	A radial path building algorithm for optimal feeder planning of primary distribution networks considering reliability assessment	Electric Power Components and Systems	Taylor and Francis

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18	International	Journal	**Mishra, S.**, Khasnabis, S., and Swain, S.	Incorporating Uncertainty and Risk in Transportation Investment Decision Making	Journal of Transportation Planning and Technology	Taylor and Francis
19	International	Journal	S.Gupta ,**T.Ghose**	Impact of frequency-based tariff in power market	International Journal of Power and Energy Conversion, Inderscience Publishers	Inderscience
20	International	Journal	P Gopa Kumar, M Jaya Bharata Reddy, **D K Mohanta**	Pragmatic Multi-Stage Simulated Annealing for Optimal Placement of Synchrophasor Measurement Units in Smart Power Grids	Frontiers in Energy	Springer
21	International	Journal	**Deepak Kumar**, **D K Mohanta**, M Jaya Bharata Reddy	Intelligent Optimization of Renewable Resource Mixes Incorporating the Effect of Fuel Risk, Fuel Cost and CO2 Emission	Frontiers in Energy	Springer
22	International	Journal	Deep Shekhar Acharya, **NutanLataNath**	Applications of Multi Agent Systems in Control Engineering: A State-of-the-Art Survey	International Journal of Innovative Research in Advanced Engineering (IJIRAE)	JIRAE
23	International	Journal	**SarbaniChakraborty**, SaritaKumari	Design and development of a magneto-optic sensor for magnetic field measurements	Sensors and Transducers	IFSA
24	International	Journal	**Sarbani Chakraborty**, Sarita Kumari	Simulation of transmission characteristics of birefringent filter using magneto-optic elements	Journal of Optics, Springer Publication	Springer
25	International	Journal	Manish Kumar, **Sudhansu Kumar Mishra**	Particle Swarm Optimization-based Functional Link Artificial Neural Network for Medical Image Denoising	Advances in Intelligent Systems and Computing	Springer
26	International	Journal	Sanjay Kumar, B. Bhattacharyya, **Vikash Kumar Gupta,**	Present and Future Energy Scenario in India	Journal of The Institution of Engineers (India): Series B, Springer	Springer

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27	International	Journal	**Vikash Kumar Gupta**, B. Bhattacharyya, Sanjay Kumar	Enhancement of Power System Loadability with FACTS Devices	Journal of The Institution of Engineers (India): Series B, Springer	Springer
28	International	Journal	Kumar Gaurav, **Sudhansu Kumar Mishra**	Nonlinear System Identification Using Clonal Particle Swarm Optimization-based Functional Link Artificial Neural Network	Advances in Intelligent Systems and Computing	Springer
29	International	Journal	SoumyaRanjan, **Sudhansu Kumar Mishra**	Multi-objective Design Optimization of Three-Phase Induction Motor Using NSGA-II Algorithm	Computational Intelligence and Data Mining	Springer
30	International	Journal	**D Kumar**, SR Samantaray	Combined MDS-GTA and CPSO-based multi-stage planning of power distribution networks	International Journal of Power and Energy Conversion, Inderscience Publishers	Inderscience
31	International	Journal	B. Bhattacharyya, **Vikash Kumar Gupta** and Sanjay Kumar	UPFC with Series and Shunt FACTS Controllers for the Economic Operation of a Power System	Ain Shams Engineering Journal, Elsevier	Elseviers
32	International	Journal	Kumar Rajan, **V. Laxmi, D. K. Mohanta**, S. Das	Real-Time Vehicle License Plate Detection and Recognition System	International Journal of Applied Engineering Research	Research India Publications
33	International	Journal	Kumar Gaurav , Amit Sahoo, **Sudhansu Kumar Mishra**	Nonlinear System Identification using Functional Link Multilayer Perceptron Artificial Neural Network	International Journal of Applied Engineering Research	Research India Publications
34	International	Journal	Sandhya Suman, **Sudhansu Kumar Mishra**	Active Noise Control Using Multi Layer Functional Link Artificial Network	International Journal of Applied Engineering Research	Research India Publications
35	International	Journal	Sarat Kumar Mishra, **Sudhansu Kumar Mishra**	Multi-objective Economic Emission Dispatch Solution using Non-dominated Sorting Genetic Algorithm-II	Discovery	Elsevier