

Acharya Institute of Technology

Soldevanahalli, Bangalore – 560107

Dept. of Electrical & Electronics Engineering

Research & Development Efforts

A. Research Papers in journals (published, sent to publisher, in the pipeline, working paper)

Dr. R.S Shivakumara Aradhya

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/IS BN&Country	Impact factor	H Index
1	Critical Evaluation of ANSI Pollution test for multi-unit Metal Oxide Arrester	Journal of European Transactions on Electrical Power, ETEP-Vol-5, No.6, November - December 1995.	R.S.Shivakumara Aradhya, B.I.Gururaj, M.Ramamoorthy	International			
2	Development and application of a multi-channel current integrator-cum-peak classifier for on-line monitoring of	IEE Proceedings - Generation, Transmission, Distribution, Vol. 152, No. 2, pp. 247-252, March 2005.	D. Devendranath, G.Girija, B. Gunasekaran, R.S. Shivakumara Aradhya, A. Bhaskaran,	International			

	leakage current on RTV coated insulators”,						
3	Effect of E L frequency electromagnetic fields on growth of germinating Vicia faba L., the Broad Bean	Electromagnetic Biology and Medicine, V.2014, No.1, pp.39-54, 2005.	P. Rajendra, H.N.Sujatha, R.B.Sashidhar, C.Subramanyam,D. Devendranath, B. Gunasekaran, R.S.Shivakumara. Aradhya, A. Bhaskaran	International			
4	Fuzzy Logic Based Fault Type Identification in Radial LT Power Distribution Feeder	The Journal of CPRI, Vol 5, Number 1, March 2009, PP 101-108.	Ahalya C, R.S. Shivakumara Aradhya,	National	ISSN 0973-0338		
5	Design of grading ring for 765kV surge arrester	The Journal of CPRI, March 2012 issue.	M,Kanyakumari, R.S.Shivakumara Aradhya	National	ISSN 0973-0338		
6	Optimization of air insulation clearances for EHV / UHV transmission Lines	The Journal of CPRI, March 2012 Issue.	B.Gunasekaran, P.M.Nirgude, R.S.S.Aradhya,	National	ISSN 0973-0338		

7	Digital Real Time Simulator for Testing of Load Shedding Controller	The Journal of CPRI, May 2012 Issue.	Meera K.S, J. Sreedevi, R.S. Shivakumara Aradhya,	National	ISSN 0973- 0338		
8	Dynamic compensation studies using RTDS for large wind farm integration with Grid	The Journal of CPRI, March 2013 Issue.	Meera K.S, R.S. Shivakumara Aradhya	National	ISSN 0973- 0338		
9	Investigation on Flashover Performance of 25kV Traction System Section Insulator Assembly in DMRCL System	The Journal of CPRI, Volume 9, IssueNo.2, June 2013	Dharmesh Y, N. Vasudev, K. Karunakara, U.R.Sheshgiri Rao, RSS Aradhya, A.K.Gupta, M.Wadhwa,	National	ISSN 0973- 0338		

Dr.R.Prakash

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN& Country	Impact factor	H Index
1	“A New level-wise Approach with Reactive Power Compensation for Service restoration and System Reconfiguration of Distribution Network”	International Journal of Intelligence System research Vol.4 No1 article No.10-2010	Dr. T. Anantha Padmanabha R.Prakash	International	ISSN: 1098-111X	1.411	
2	“System Reconfiguration and Service Restoration of primary distribution system Augmented by Capacitors using a New level wise approach”	Journal of Electrical and Electronics Engineering Research Vol. 3(3), pp. 42-51, March 2011	Dr. T. Anantha Padmanabha R.Prakash	National	ISSN: 1993-8225		
3	“Service Restoration Confirmation Through Fast Outage Tracing and Meter Polling Procedures Using Automated Meter Reading Systems”	Journal of Analysis and Computation Vol. 7, No. 1, pp. 35-44, June 2011	Dr. T. Anantha Padmanabha R.Prakash	National	ISSN : 0972-2861		
4	“System Reconfiguration and Service Restoration of Primary Distribution System Augmented by Capacitor Using A New Level-wise Approach”	Journal of Intelligent System research 5(1), pp. 21-36, 2011	Dr. T. Anantha Padmanabha R.Prakash	National	ISSN: 1098-111X	1.411	
5	“Economic Load Dispatch using Foraging Behavior of	Journal of Analysis and Computation Vol.6, No 2	Dr. T. Anantha Padmanabha	National	ISSN : 0972-2861		

	Honey Bee Swarm Intelligence Technique”	(July-December 2010): PP, 47-52	R.Prakash				
6	“A Knowledge Based System for Anomaly Detection in Power System State Estimation”	Journal of Analysis and Computation, Vol. 6. No 2 (July-December 2010): PP, 69-83	Dr. T. Anantha Padmanabha R.Prakash	National	ISSN : 0972-2861		
7	“Application of Swarm Intelligence Technique for Loss Reduction in Distribution System: A Case Study”	Journal of Intelligent System research 5(1), pp. 13-20, 2011	Dr. T. Anantha Padmanabha R.Prakash	National	ISSN: 1098-111X	1.411	
8	“A Methodology for Loss Analysis of Secondary Power Distribution System”	Journal of Analysis and Computation Vol. 7, No. 1, pp. 49-59	Dr. T. Anantha Padmanabha R.Prakash	National	ISSN : 0972-2861		
9	New Control Strategy to Reverse The Power Flow in the Looped Electrical Distribution Network	International Journal of Science & Technoledge , Volume2 Issue 5	Sagar.T.M, Dr.R.Prakash, Dr.Shankar.C.B,	International	ISSN 2321-919X	0.675 (IIFS)	
10	Improvement of Battery Lifetime using Supercapacitors and Current Controller	International journal of Engineering research & Technology	Praseeda Ramesh, Dr. Shankaralingappa . C. B, Dr. R. Prakash	International	ISSN:2278-0181	1.76	
11	Optimum Placement of STATCOM in Distribution Network to Improve Uptime of DER using Sensitivity Index	International journal of Engineering research & Technology	Pavana R, Dr. Shankaralingappa . C. B, Dr. R. Prakash	International	ISSN:2278-0181	1.76	

12	Case Study On Fuzzy Logic Based Network Contingency Ranking	International journal of Engineering research & Technology	Mr. Ramesh. E, Dr. R. Prakash, Ms. Lekshmi, M, Mr.Yogeesh. S	International	ISSN:2278-0181	1.76	
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Prof. Lekshmi.M

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN& Country	Impact factor	H Index
1	Dynamic Performance of Three-Phase Induction Motor	IJERT, Vol. 2 Issue 4, April - 2013, 2278-0181	Lekshmi.M, Radhika Priyadarshini	International	ISSN: 2278-0181 ISO 3297:2007	1,76	
2	<i>An effective HSA Approach for Optomal Placement of SVC</i>	<i>IJARSE, Volume No.02.Issue No.07 July 2013</i>	Jyothi.B, Mr.lakshmikanth Reddy, Mrs.lekshmi.M	International	ISSN: 2319-8354	1.142	
3	Case Study On Fuzzy Logic Based Network Contingency Ranking	IJERT, Vol. 2 Issue 7, July - 2013	Mr. Ramesh. E, Dr. R. Prakash, Ms. Lekshmi, M, Mr.Yogeesh. S	International	e-ISSN: 2278-0181	1.76	
4	Analysis of Importance Sampling and Contingency in electric power system security	Volume No.02.Issue No.06 June13	Nandini.BR Dr. R. Prakash ,Mrs. Lekshmi.M	International	ISSN 2319-8354	1.142	

5	Online Static Security Assessment Module Using Artificial Neural Network on IEEE-30 Bus Test System	IJCSMC, Volume 3 Dec 2014, Page 20-29	Lekshmi. M, Dr. Nagaraj	International	ISSN2320-088X	2.14	
6	Development of an Online Static Power System Security Assessment Module Using Artificial Neural Networks In 118- Bus	IJMCS, Volume 2, Issue 6, December, 2014	Lekshmi.M, Sowmya, Dr. M.S,Nagaraj	International	ISSN: 2320-7868 (Online)		

Prof.SHIVAKUMAR SWAMY.R

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/IS BN&Country	Impact factor	H Index
1	Ac Metallised polypropylene Film Capacitors Dependent Values With Equivalent Circuit	IJERT,VOL3,4.	Shivakumar Dr. V.Venkatesh Dr.Ravi	International	2278-0181, INDIA	1.75	
2	Polypropylene Capacitors with High Crystalline Segmented Offer Increased Energy Density	IJISR,11,1,37-40.	Shivakumar Dr. V.Venkatesh Dr.Ravi	International	2351-8014INDIA	1.8	
3	Distribution systems loss Reduction by Optimal allocation and sizing of distributed generation via artificial Bee Colony Algorithm	AJER	Shivaleela Shivakumar Dr. V.Venkatesh	International		2.5	

4	Artificial Neural network based Method for location and classification of faults on a Transimission Lines.	IJSRP	Sanjay kumar Shivakumar Dr. V.Venkatesh	International		2.2	
5	Vanet used in Image Processing For Efficient direction and Recognition of Objects	IJERT	Shivakumar Dr. V.Venkatesh	International		3.1	

Mr. LAKSHMIKANTH REDDY V

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	Internationa l/National	ISSN/ISBN& Country	Impact factor	H Index
01.	AN EFFECTIVE HSA APPROACH FOR OPTIMAL PLACEMENT OF SVC	International Journal Of Advance Research In Science And Engineering IJARSE, Vol. No.2, Issue No.7, July, 2013 ISSN-2319-8354€	Jyothi.B, Mr.lakshmi kanth Reddy, Mrs.lakshmi.M	International	ISSN-2319-8354(E)/	1.142	

Prof. KUSUMADEVI G H

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/N ational	ISSN/ISBN &Country	Impact factor	H Index
1	OPTIMAL LOCATION OF MULTI TYPE FACTS DEVICES FOR SINGLE CONTINGENCY ANALYSIS USING GENETIC ALGORITHM	IJST, VOLUME-II, ISSUE VII & JULY 2014	KUSUMADEVI. G.H & MANU	INTERNATIONAL	2321-919X		
2	Simulation Analysis of Surge Behaviour of Power Transformer Model Winding Represented by Large Number of Sections	IEEE-CEIDP OCTOBER-2014 PAGE NO.S 534-537	KUSUMADEVI. G.H AND G.R.GURUMURTHY	INTERNATIONAL	978-1-4799-7523-5/14/		

Prof. SUNITHA N S

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/N ational	ISSN/ISBN &Country	Impact factor	H Index
1	Hydrophobicity Behavior of Polymeric Insulators	IJERMT, Volume 4, Issue 1, 20th Jan 2015	Sunitha N.S, Pushpanjali	International	ISSN: 2278-9359	1.76	
2	Renewable Energy Source Based Dc Link Vsi For Power Quality Improvement Using Dstatcom	IJAET, Volume 7, Issue 4 2014	Sunitha N.S, Rajesh	International	ISSN: 2231-1963	1.8	

Prof.SUNIL KUMAR.A.V

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN &Country	Impact factor	H Index
1	Loss Allocation of Transmission line and Minimization of loss for 5 bus, 14 bus & 30 bus systems	IRNetInterence Research Network(India	1.SUNIL KUMAR A.V 2.KUMUDEESH K.C 3.REKHA C.M 4.Dr.SHIVASHARANAP PA	International	ISBN:978-93-81693-76-6 india		

Prof. CHANDRASHEKAR A BADACHI

Sl. No	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN& Country	Impact factor	H Index
1.	Need for Reliability Assessment of Special Protection System	International Journal of Electrical Engineering	Chandrashekhar A Badachi Binod Adhikari	International	ISSN:0974-2158 Volume 7, No. 2 (2014), pp. 279-286 India		
2	Distribution System's Loss Reduction by Optimal Allocation and Sizing of Distributed Generation via Artificial Bee Colony Algorithm	American Journal of Engineering Research	Chandrashekhar A Badachi Shivaleela Kori	International	e-ISSN:2320-0847, Volume-03, Issue-06, pp-30-36, June-2014		

Prof. NAVEEN T.S

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN &Country	Impact factor	H Index
1	Power Loss Minimization of Permanent Magnet Synchronous Generator using Particle Swarm Optimization	International Journal of Modern Engineering Research (IJMER) Vol. 2, Issue. 5, Sep.-Oct. 2012 pp-3390-3397	Naveen T S, Prashanth Chinnamali, Dr. Shankar C Byalihal,	International	ISSN : 2277 - 7881,India.	2.972	

Prof.DAYANANDA.L.N

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN &Country	Impact factor	H Index
1	Voltage source converter based HVDC transmission	International journal of Engineering science and Technology, Volume 1, Issue 1	Dayananda L N, Shri Harsha J, Ramesh E	International	2319-5967	2.2	

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Prof.REKHA . C.M

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN& Country	Impact factor	H Index
1	Loss Allocation of Transmission line and Minimization of loss for 5 bus, 14 bus & 30 bus systems	IRNetInterence Research Network(India	1.SUNIL KUMAR A.V 2.KUMUDEESH K.C 3.REKHA C.M 4.Dr.SHIVASHARANAP PA	International	ISBN:978-93-81693-76-6 india		

Prof.HARSHAVARDHAN KULKARNI

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN &Country	Impact factor	H Index
1	Modeling and simulation of voltage source Inverter based on space vector modulation Technique for grid connection	INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH AND ADVANCES IN ENGINEERING IJMRAE, April 2014, Vol.6 & No. II(April 2014), pp. 201-212	Harshavardhan V Kulkarni Dr Suresh H Jangamshetti R L Naik	International	ISSN 0975-7074	0.425(2012)	

Prof.ANZUM

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/N ational	ISSN/ISBN &Country	Impact factor	H Index
1.	PERFORMANCE ANALYSIS OF DFIG BASED WIND FARM IN WEAK DISTRIBUTION SYSTEM	International Journal of Advance Research in Science & Engineering JUNE 2013,VOLUME 2, ISSUE 06, Page: (103-111)	Anzum	International	ISSN-2319-8354(E) India		

Prof.SHIVA KUMAR K S

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/N ational	ISSN/ISBN &Country	Impact factor	H Index
1	“Evaluation of dielectric properties of Polymeric insulating materials”	“Recent Trends in Industrial Electronics and Instrumentation”	Shiva Kumar K S	National	INDIA		