LIST OF PUBLICATIONS IN JOURNALS

Sl. No	Title of Paper	Authors	Name, Volume and number of Journal and year of publication	Page No	
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1	Application of computational intelligence to economic load dispatch	Dr.P.Venkatesh Dr.P.S.Kannan M.Sudhakaran	Journal of Institution of Engineers(India), Electrical division, Vol.81, Sep-2000	39	43
2	Application of Fuzzy logic to unit commitment problem	M.Sudhakaran Dr.S.M.Slochanal K.B.Praba	Journal of Institution of Engineers(India), Electrical division, Vol.84, Sep-2003	100	103
3	An Evolutionary computing technique to Combined heat and power economic dispatch	M.Sudhakaran Dr.S.M.Slochanal S.Jeya devi	Journal of Institution of Engineers(India), Electrical division, Vol.84, Sep-2003	104	108
4	Application of Refined Genetic algorithm Combined economic and emission dispatch problem	M.Sudhakaran Dr.S.M.Slochanal R. Sreeram N.Chandrasekhar	Journal of Institution of Engineers(India), Electrical division,, Vol.85, Sep-2004. ISSN: 2250-2106	115	119
5	Integrating Genetic algorithms and Tabu search for emission and	M.Sudhakaran Dr.S.M.Slochanal	Journal of Institution of Engineers(India), Electrical division, Vol.86, June 2005.	22	27

	economic dispatch problems				8
6	GA and PSO culled hybrid technique for economic dispatch problem with prohibited operating zones.	M.Sudhakaran P. Ajay – D– VimalRaj T.G. Palanivelu	Journal of Zhejiang University SCIENCE A, Vol.8, No.6, June 2007.	896	903
7	Particle swarm optimization for economic and emission dispatch problems	M.Sudhakaran G. Sivakumar P. Venkatachalapat hy K. Latchumi	Journal of Institution of Engineers(India), Electrical division, Vol.88, June 2007.	1	7
8	Swarm intelligence for voltage – var compensation problem	M.Sudhakaran Ajay – D – VimalRaj T.G. Palanivelu Senthil Kumar	International Journal of computational Intelligence: Theory and Practice. Vol.2, No.2, 2007	125	133
9	Swarm Intelligence for Voltage stability analysis considering voltage –VAR compensation	M.Sudhakaran P. Ajay – D – VimalRaj T.G. Palanivelu Senthil Kumar	Journal of electrical engineering, Elektrika, Vol.10, No.1, 2008.	43	48
10	Integrated GA-PSO based unit commitment	M.Sudhakaran P. Ajay – D – VimalRaj T.G. Palanivelu	International Journal of Engineering research and industrial applications, Vol.1, No.4, July 2008.	27	44
11	Estimation of standby power consumption for typical appliances	Ajay –D-Vimalraj M.Sudhakaran P.Philomen	Journal of Engineering Science and Technology Review, Vol.2, No.1, 2009.	71	75
12	Integrating Genetic Algorithms and Tabu	M. Sudhakaran	International Journal of Engineering Science	57	69

		Search for Unit Commitment Problem	P.Ajay-D-Vimal Raj	and Technology, Vol.2, No.1, 2010,		
13	Optimum Load Shedding in Power System Strategies with Voltage Stability Indicators	P.Ajay-D-Vimal Raj M. Sudhakaran	Journal of Scientific Research Publications, Vol.2, 2010.	12	21
14	Solving Harmonic Elimination constrained voltage control problems with Genetic Algorithm and Particle Swarm optimization in AC-AC Converters	T. Suresh Padmanabhan, S.Jeevananthan, M.Sudhakaran	International Journal of Electrical Engineering & Embedded Systems, Vol.2, No.1, June 2010	125	130
15	FW_SFS: A Novel feature Selection Method for Power Quality Data Mining	R. Ahila, M.Sudhakaran, K.Manimala	International Journal of Power & Energy Systems, ACTA PRESS, PP.139-147, Vol.30, No.2, 2010.	139	147
16	Analysis, Design and Implementation of soft single switched boost converter	P. Hemachander P.Ajay-D-Vimal Raj M. Sudhakaran	International Journal of Computer applications, Vol.26, No.11, July 2011.	38	46
17	Short term hydrothermal power plant scheduling using Evolutionary Programming	S. Harikrishnan M.Sudhakaran M. Rathina Kumar	International journal of Electrical Systems and Control, Vol.3, No.1, July 2011.	21	26
18	Optimal location and control parameter settings of UPFC using Differential Evolution algorithm	R.Vanitha M.Sudhakaran	International Journal of Computer applications, Vol.31, No.4, October. 2011.	20	26
19	UPQC with two current control strategies under unbalanced load conditions	Jeraldine viji M.Sudhakaran	International review on modelling and simulations, Vol.5, N0.4, Aug.2012.	1775	1779
20	Novel Adaptive Control Scheme for Suppressing Input Current	T. Suresh Padmanabhan,	*International Review of Automatic Control*	783	789

	Harmonics in Three Phase AC Choppers	S.Jeevananthan, M.Sudhakaran	*(IREACO),* Vol.5, No.6, Nov.2012		
21	Cost/Loss minimization by the placement of DG in distribution system using GA and PSO- A comparative study	D.Sattianadan M.Sudhakaran S.S.Dash K.Vijayakumar	International Review of Electrical Engineering, Vol.8, No.2, April 2013.	769	775
22	Optimal allocation and sizing of FACTS controllers using differential evolution algorithm	R.Vanitha M.Sudhakaran	International Journal of Control and Intelligent Systems, ACTA PRESS, Vol.41, No.3, 2013	1480	1486
23	Multi objective Optimal Power flow with STATCOM using DE in WAFGP	R.Vanitha J. Baskaran M.Sudhakaran	Indian Journal of Science and Technology, Vol.8, No.2, Jan 2015	191	198
24	An Adaptive Selective Current Harmonic Elimination Technique Using RLS Algorithm for Three Phase AC Voltage Controllers	T. Suresh Padmanabhan, S.Jeevananthan, M.Sudhakaran	AMSE Journals-2016-Series: Modelling A, Vol. 86, No. 2, 2016.	71	86
25	Analysis of Shunt Hybrid Power Filter with Thyristor Controlled Reactor for Power Quality Improvement	M. Dheebeeha M.Sudhakaran P.Ajay-D-Vimal Raj	Journal of Power Systems and Microelectronics, Vol.2, No.1, June 2016	41	50
26	Application of Integrated GA-PSO-TS Algorithm for Solving Hydro Thermal Scheduling Problem with Prohibited Operating Zones	J.Sanjeevikumar M.Sudhakaran	International Journal of Applied Engineering Research, Vol.11, No.6, April 2016.	3842	3847
27	Prevention of circulating current in bidirectional AC/DC converter	K. Esaivanan M.Sudhakaran P.Ajay-D-Vimal Raj	International Journal of Signal Processing Systems, Vol.2, No.1, June.2016.	41	48

28	Design of ANN based Adaptive hysteresis band control scheme for compensation of THD and Reactive power demand in PV teid grid system using DSTATCOM	M.Sudhakaran P. Mahes Kumar	International Journal of Computational Systems Engineering, Inderscience Publications, Vol.3, No.1, 2017.	3	13
29	Tabu Search Enhanced Artificial Bee Colony Algorithm to Solve Profit Based Unit Commitment Problem with Emission Limitations in Deregulated Electricity Market	Shanmuga Sundaram M.Sudhakaran P.Ajay-D-Vimal Raj	International Journal of Meta-Heuristics, Inderscience Publications, V0l.6, No.1, 2017	107	132
30	Luenberger Algorithm Based Harmonics Estimator for Front End Rectifier And PWM-VSI	P.Ajay-D-Vimal Raj R. Sundara murthy S.Jeevananthan M.Sudhakaran	International Journal of Innovative works in Engineering and Technology, Vol.3, No.1, Feb.2017.	82	92
31	Three Phase Four Wire DSTATCOM Strategy for Power Quality Improvement Using T Connected Transformer	S. Prabakaran T. Saranya P.Ajay-D-Vimal Raj M.Sudhakaran	International Journal on Recent Technologies in Mechanical and Electrical Engineering, Vol.4, No.4, April.2017.	14	19
32	Amalgamated Nine switch Inverter with PV and Self Supported DVR System	P. Durai M.Sudhakaran P.Ajay-D-Vimal Raj	International Journal of Electrical and Electronics Engineering, Special Issue April 2017.	1	5
33	Solution for Multi-area Unit Commitment Problem Using PSO-Based Modified Firefly Algorithm	Prabakaran S., Tamilselvi S., Ajay-D-Vimal Raj P., Sudhakaran M	Advances in System, Control and Automation, Lecture Notes in Electrical Engineering, Vol 442.	625	636

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34	Investigation of voltage regulation in grid connected PV system	Soumen Gorai, D. Sattianadan, M. Sudhakaran	Indonesian Journal of Electrical Engineering and Computer Science, Vol. 19, No. 3, September 2020.	1131	1139
35	Solar PV fed Water Pumping System through BLDC Drive Employing Zeta Converter	Sudhakaran M Ajay-D-Vimal Raj P Prabakaran S	International Journal for Research in Applied Science and Engineering Technology, Vol.8, No.10, October 2020	385	395

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LIST OF PUBLICATIONS IN CONFERENCES

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Sl. No	Title of Paper	Authors	Name, place and year of the conference	Page No	
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1	Application of RGA to CEED problem	M.Sudhakaran Dr.P.Venkatesh Dr.P.S.Kannan	ECCAP -2000, Crescent Engineering College, Chennai, Jan-2000	197	204
2	Application of Evolutionary Computing Techniques to Environmentally Constrained Economic Dispatch Problem	M.Sudhakaran Dr.P.Venkatesh Dr.P.S.Kannan	UPEC – 2000, The Queen's University of Belfast, United Kingdom, Sep 2000.	CD ROM	
3	Application of Refined Genetic Algorithm to Economic Load Dispatch of Combined Cycle Cogeneration Plants	M.Sudhakaran Dr.S.M.Slochanal	UPEC – 2002, Stafford shire University, United Kingdom, Sep-2002	CD ROM	

4	Integrating Genetic algorithms and Tabu search for the Combined heat and power economic dispatch problem	M.Sudhakaran Dr.S.M.Slochanal	TENCON-2003, Indian Institute of Science, Bangalore, Oct – 2003	17	22
5	Integrating Genetic algorithms and Tabu search for Emission constrained economic dispatch problems	M.Sudhakaran Dr.S.M.Slochanal	ICAIET-2004, University Malaysia Sabah (UMS), Malaysia, August 3-5, 2004.	Accepted for publication	
6	A Hybrid Evolutionary computing technique for Maintenance scheduling problem	M.Sudhakaran Dr.S.M.Slochanal	ICAIET-2004, University Malaysia Sabah (UMS), Malaysia, August 3-5, 2004.	Accepted for publication	
7	A hybrid Evolutionary technique for UC problem with voltage and security constraints.	M.Sudhakaran Dr.S.M.Slochanal	ICPS-2004, Tribuvan Institute of Technology, Nepal, November 2-4, 2004.	CD ROM	
8	Integrating GA and Tabu Search for Hydro thermal Scheduling	M.Sudhakaran Dr.S.M.Slochanal	CERA – 2005, Indian Institute of Technology, Roorkee, Uttaranchal, Sep 2005.	129	133
9	GA solutions for the Economic and Emission Dispatch Problems.	Ajay D. Vimal Raj T.G. Palanivelu M.Sudhakaran	CERA – 2005, Indian Institute of Technology, Roorkee, Uttaranchal, Sep 2005.	120	123
10	Integrating GA and PSO for the Economic Dispatch Problems	M.Sudhakaran Ajay D. Vimal Raj T.G. Palanivelu	International Conference on Power Systems, Taiwan, Nov 4-8, 2007.	CD ROM	
11	PSO based energy optimized Dynamic voltage restorer	M.Sudhakaran Ajay D. Vimal Raj T.G. Palanivelu	International conference on power system analysis, control and automation, Andhra	CD ROM	

			university, March13-15, 2008.		
12	PSO based unit commitment problem	M.Sudhakaran Ajay D. Vimal Raj T.G. Palanivelu	International conference "Powercon-2008", sep 2008, New Delhi.	CDROM	
13	Profit Based Unit Commitment by Combined GA –PSO Algorithm	M. Sudhakaran Ajay –D-Vimalraj	International Conference "Enviroenergy-2009" March 19-21, 2009, Chandigarh.	CD ROM	
14	Application of BFA for ELD with combined cycle cogeneration plants	E. Mariappane, K.Thyagarajah, M.Sudhakaran, P.Ajay-D-Vimalraj	International Conference "CERA-2009", IIT Roorkee, Feb 12-14, 2010.	CD ROM	
15	Analysis of Pulse Width Modulation Soft Single switched DC-DC Converter Topologies	P. Hemachander, G.Suresh, P.Ajay-D-Vimalraj, M.Sudhakaran,	International Conference "ICSE-2010", Bangalore, April 21-23, 2010.	CD ROM	
16	Investigations on Impact of PWM technique for 3Ø shunt Hybrid active power filter	S. Rajasekar, N.Muraly, P.Ajay-D-Vimalraj, M.Sudhakaran,	International Conference "ICFET-2K10", Chennai, April 29-30, 2010.	122	125
17	Comparison of Two PWM techniques for Three phase shunt hybrid active power filters	T.Somasundaram S. Rajasekar, P.Ajay-D-Vimalraj, M.Sudhakaran,	International Conference "IDAPSC-2010", Coimbatore, July 9-10, 2010.	CD ROM	
18	Parallel connected four switch three phase inverter control for the application of STATCOM	T. Ilansezhian, M.Sudhakaran, P.Ajay-D-Vimalraj	International Conference "IDAPSC-2010", Coimbatore, July 9-10, 2010.	CD ROM	
19	Optimal Placement of Capacitor in Radial	D.Sattianadan, M.Sudhakaran, K. Vijayakumar	IET Conference (SEISCON), July 20-22,	CD ROM	

	distribution using PSO	S. Vidyasagar	2011, M.G.R University, Chennai	
20	Selective current harmonic elimination in an AC voltage controller drive system using LMS algorithm	T. Suresh Padmanabhan, M. Sudhakaran, S. Jeevananthan	International Conference "UPEC – 2011", Sep 5-8, South Westphalia University, Soest, Germany.	CD ROM
21	Generalized UPQC system with an improved control method under distorted and unbalanced load conditions	Jeraldine viji M.Sudhakaran	International Conference (ICCEET 2012) Mar 21-22, Noorul Islam University, 2012.	193 197
22	Optimal DG Placement in Deregulated Electricity Market	D.Sattianadan, Dr.M.Sudhakaran, K. Vijayakumar and S. Hareesh	2ndIntl Conference on Advances in Engg and Tech (ICAET2012), March 28 & 29, 2012, E.G.S.P Engineering College, Nagapattinam	CD ROM
23	Placement of DG in Primary Distribution Systems	D.Sattianadan, Dr.M.Sudhakaran, K. Vijayakumar and T.Paavendhan	2ndIntl Conference on Advances in Engg and Tech (ICAET2012), March 28 & 29, 2012, E.G.S.P Engineering College, Nagapattinam	CD ROM
24	Application of Bacteria Foraging strategy to short term hydro thermal scheduling problem.	E. Mariappane K. Thiagarajah M.Sudhakaran	IASTED International conference (EAS 2012), Dec 27-29, Colombo, Srilanka, 2012.	157 162
25	Transmission Congestion management in Deregulated Power systems	P. Mahes Kumar M.Sudhakaran	IEEE sponsored International Conference (ICRDPET-2013), March 29-30, EGS Pillai Engg College, Nagapattinam, 2013.	24 29

26	Refined Shuffled Frog Leaping Algorithm for Optimization Problems	P. Mahes Kumar M.Sudhakaran	International Conference on Computation of Power, Energy, Information and Communication", April 17-18, 2013, Adhiparasakthi Engg College	1	5
27	Optimal Placement of DG in Distribution System Using Genetic Algorithm	D.Sattianadan M.Sudhakaran K. Vijayakumar	International conference "SEMCCO-2013, Dec. 19-21, 2013, SRM University, Chennai	639	647
28	Solution to Profit based unit commitment using swarm intelligence	C.Shanmuga sundaram, M. Sudhakaran R. Selvakumar R.G. Natarajan	International conference "ICCPEIC-2014", April16-17, 2014.	353	358
29	Solution to unit commitment problem in conventional and restructured using FABC algorithm	C.Shanmuga sundaram, M. Sudhakaran M.G.Harthi R.Ravichandran	IEEE International conference "ICAET-2014", May 1-2, 2014.	CD ROM	
30	Voltage Harmonic Elimination in Ac/Ac Converters using Genetic Algorithm and PSO	T. Suresh Padmanabhan M. Sudhakaran S. Jeevananthan	Second International Conference on Modern Trends in Science, Engineering and Technology (**ICMTSET-2014**), September 10-11, 2014, Dubai, UAE	159	164
31	Performance Analysis of High Step Up DC-DC converter for Photovoltaic System	M.Sudhakaran A. Suganya	IEEE Sponsored International Conference (ICCPCT-2015), March 19-20, Noorul Islam University, Kanyakumari, 2015.	CD ROM	
32	Adaptive Current Harmonic Elimination	T. Suresh Padmanabhan	International Conference on Soft	CD ROM	

		in a Three Phase AC-AC Matrix Converter using RLS Algorithm	M. Sudhakaran S. Jeevananthan	Computing Systems (ICSCS-2015), April 20-21, Noorul Islam University, Kanyakumari, 2015.		
33	Prevention of circulating current in bidirectional AC/DC converter	K. Esaivanan M.Sudhakaran P.Ajay-D-Vimal Raj	International Conference "ICPSACO-2015", Dec.10-11, 2015.	239	243
34	Analysis of shunt hybrid power filter with thyristor controlled reactor for PQ improvement	M. Dheebeeha M.Sudhakaran P.Ajay-D-Vimal Raj	International Conference "ICPSACO-2015", Dec.10-11, 2015.	233	238
35	Application of Hybrid EP-PSO Algorithm for the solution of Combined Economic and Emission Dispatch Problems	M. Sudhakaran P.Ajay-D-Vimal Raj R.Priadarsini G. Vijay Anand	IEEE Sponsored International Conference (ICACCCT-2016),	842	846
36	Bridgeless Sepic Converter for Power Factor Improvement	G. Hemalatha M. Sudhakaran P.Ajay-D-Vimal Raj	International Conference "ICCPEAT-2017", Pondicherry Engineering College, Feb.23-24, 2017.	CD ROM	
37	Solar PV fed Water Pumping System through BLDC Drive Employing Zeta Converter	Vikneshwaran L, Sudhakaran M	IEEE Sponsored 5th International Conference on Science, Technology Engineering & Mathematics, Jeppiar Engineering College, March 14-15, 2019.	CD ROM	
38	Literature Review on Network Reconfiguration and Optimum placement of D-STATCOM in Radial distribution Systems	Karthick B, Sudhakaran M, Ajay-D-Vimal Raj P	International Conference on Smart Energy Systems and Electric Vehicles, V R Siddhartha Engineering College,	CD ROM	

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1	Application of computational intelligence to economic load dispatch	M. Sudhakaran Dr.P.Venkatesh Dr.P.S.Kannan	National Systems Conference, REC, Calicut, Dec-1998.	259	264
2	An elegant approach to CEED problem	M. Sudhakaran Dr.P.Venkatesh Dr.P.S.Kannan	Power – 1999, IE (India), Trivandram Centre, Dec-1999.	90	95
3	Application of Fuzzy Logic to Generator Scheduling	M. Sudhakaran S.M.Slochanal	NCIEES, P.S.G Tech, Coimbatore, Dec-2000.	39	43
4	Application of Refined Genetic Algorithm to Unit Commitment Problem	M. Sudhakaran S.M.Slochanal	All India Seminar on Effective Utilization of Generated Power, IE(India), Orissa State Centre, Orissa, March-2002.	23	27
5	Particle Swarm Optimization for Economic Load Dispatch Problem	M. Sudhakaran Vengatachalapathy G. Sivakumar	National Systems Conference, Indian Institute of Technology Mumbai, Dec 2005.	CD ROM	
6	Real Coded Genetic Algorithm for Economic Load Dispatch with Prohibited operating zones	M. Sudhakaran S. Iyappan R. Ganesh	Conference on Recent Advances in Electrical Engineering, JNTU College of Engineering. Anantapur, Dec 2005.	CD ROM	

7	Particle Swarm Optimization for Combined Economic and Emission Dispatch Problem	M. Sudhakaran Vengatachalapathy G. Sivakumar	Conference on Recent Advances in Electrical Engineering, JNTU College of Engineering. Anantapur, Dec 2005.	CD ROM
8	Integrating GA and TS for ELD with Prohibited Operating Zones	M. Sudhakaran N. Iyyappan Latchumi. K	National conference on Recent Advances in Power Electronics and Power Systems, SSN College of Engineering, Chennai, Mar 2006.	CD ROM
9	Multilevel Inverter based Dynamic Voltage Restorer with PI and Fuzzy Logic controller	Ajay D. Vimal Raj M.Sudhakaran T.G. Palanivelu	32nd National Systems Conference, IIT Roorkee, December 17-19, 2008.	CD ROM