

Publications:

a) List of Research papers Published/Accepted in the national/international Journals:

Sl No	Authors	Title
1.	B.Bhattacharyya, S.K.Goswami	“Fuzzy Based Genetic Algorithm for Optimal Reactive Power Planning” Vol 50, No 1,pp 152-156, January 2010, Journal of Electrical India.
2	B.Bhattacharyya, S.K.Goswami,R.C.Bansal	“Hybrid Fuzzy Particle Swarm Optimization approach for Reactive Power optimization” Vol 5, Issue 3,September 2009,in the International Journal of Electrical Systems , IISN 1112-5209
3	B.Bhattacharyya, S.K.Goswami,R.C.Bansal	“Sensitivity Approach in Evolutionary Algorithms for Reactive Power Planning” published in Vol 37, Issue 3, 2009 of the international Journal of Electric Power Components & System, Taylor and Francis Group.
4	B.Bhattacharyya, S.K.Goswami,R.C.Bansal	“Combined Heuristics and Evolutionary approach for Reactive Power Planning” Volume 3, Issue 4, 2007 in the International Journal of Electrical Systems , IISN 1112-5209
5	B.Bhattacharyya, S.K.Goswami	“A Decomposition approach for combined Heuristic and Differential Evolution method for solving Reactive Power Problem” Springer 2007, ISBN 978-3-540-77045-9, Lecture notes in computer science, LNCS 4815
6	B.Bhattacharyya, S.K.Goswami	“Reactive Power optimization through Evolutionary techniques: A comparative study of the GA,DE,PSO Algorithms” Vol 13, No 4, pp 461-469, 2007 the international Journal of Intelligent Automation & Soft Computing , TSI Press USA.
7	B.Bhattacharyya, S.K.Goswami	“SA Based Genetic Algorithm for Reactive Power optimization” Vol 3, No1,pp 59-64, September 2006 in the Journal of CPRI.

b) List of Research papers communicated in the national/international Journals:

Sl No	Authors	Title
1.	B.Bhattacharyya, S.K.Goswami	"Genetic Algorithm Based Optimum Allocation of Facts Devices in an Interconnected Power System" in the international Journal of Electric Power Components & System, Taylor and Francis Group.

C) List of Research papers Published in the national/international Conferences:

Sl No	Authors	Title
1.	B.Bhattacharyya, S.K.Goswami	”Genetic Algorithm Based Approach for the Optimal Allocation of FACTS Devices” published in the proceedings of Global Conference of Power Control and Optimization, PCO 2010 held at Gold Coast, Queensland ,Australia ,2-4 February,2010 organized by Curtin University, Malaysia.
2.	B.Bhattacharyya, S.K.Goswami	“Sensitivity Based Evolutionary Algorithm for Reactive Power Dispatch” published in the proceedings of the International conference on Power System, ICPS 2009 held at IIT Kharagpur , 25-27 December, 2009.
3.	B.Bhattacharyya, S.K.Goswami	“ Mixed Heuristic & Genetic Algorithm for Reactive Power Problem” accepted for the presentation & publication in the IEEE conference on POWERCON,2008 held in the Intercontinental Grand, New Delhi 12-15 october.
4.	B.Bhattacharyya, S.K.Goswami	“A Decomposition approach for combined Heuristic and Particle Swarm Optimization method for solving Reactive Power Problem” pp 1-5 in the Proceedings of the International conference on Power System Analysis, Control and Optimization ,13-15 March,2008, Andhra University, Visakapatnam.
5.	B.Bhattacharyya, S.K.Goswami,R.C.Bansal	“ Reactive Power Planning Using Evolutionary Algorithm” in CD form in the International conference on Power System (ICPS), CPRI, Bangalore , 12-14, December,2007.
6.	B.Bhattacharyya, S.K.Goswami,A.K.Dhakar	“Optimal Reactive Power Planning & Dispatch: Differential Evolution Technique”, pp 293-297 , in the proceedings of the International conference on Intelligent Systems & Networks (IISN 2007) , 23-25 February,2007,organized by Haryana Engineering college.
7.	B.Bhattacharyya, S.K.Goswami	“Optimal Reactive Power Planning & Dispatch: SA Based Differential Evolution Technique” Published in CD form in the International conference on Emerging Trends in Electrical Engineering , 10-14 January 2007, organized by Jadavpur University at Science City, Kolkata.
8.	B.Bhattacharyya, S.K.Goswami	“LP Based PSO for optimum Planning & Dispatch of Reactive Power” pp 458-463 in the proceedings of the International conference ICPSODR-2006 organized by IT BHU and Power Grid Corporation of India Ltd , 6-7 March, 2006.
9	B.Bhattacharyya, S.K.Goswami	“ Neural Network :Reactive Loading Margin Indicator ” pp 399-406 in the proceedings of the Asian conference (AISN 2006) on Intelligent Systems & Networks , 24-25 February 2006, organized by Haryana Engineering college.

10	B.Bhattacharyya, S.K.Goswami	“SA Based Particle Swarm Optimization technique in Reactive Power optimization” in abstract form in the proceedings of the International conference on “ Power Transmission Research Interests And Challenges”, 20-22 December,2005 organized by CPRI, Bangalore.
11	B.Bhattacharyya, S.K.Goswami	“Particle Swarm Optimization technique in Reactive Power optimization” pp 131-136 in the proceedings of the national conference, 20th August,2005, organized by Kolaghat College of Engineering & Management and IEE Calcutta branch.