



Shiksha Mandal's
Bajaj Institute of Technology
Pipri-Wardha
Publication Details

Publications

1. S.P.Nangrani, K.D.Joshi, "Trends in chaos and instability for understanding system complexity", *Journal of Intelligent & Fuzzy Systems*, vol. 38, no. 5, pp. 6727-6737, 2020, doi: 10.3233/JIFS-179750
2. P. Rodge and K. Joshi, "Electric Vehicles in India: Current Status, Future Trend and Environmental Impact," 2018 IEEE International Conference on Smart Electric Drives and Power System (ICSEDPS), Nagpur, 2018, pp. 22-27. doi: 10.1109/ICSEDPS.2018.8536034
3. N. Khapekar and K. D. Joshi, "Fully digital control of AC servo motor using fuzzy logic controller," 2017 IEEE International Conference on Electrical, Instrumentation and Communication Engineering (ICEICE), Karur, 2017, pp. 1-5. doi: 10.1109/ICEICE.2017.8191903
4. KantilalDayalal Joshi and V. Chandrakar, "Power oscillation damping using ultracapacitor and voltage source based FACTS controllers," 2017 IEEE International Conference on Electrical, Instrumentation and Communication Engineering (ICEICE), Karur, 2017, pp. 1-6. doi: 10.1109/ICEICE.2017.8191878
5. KantilalJoshi,VinodChandrakar, "Transient Stability Improvement using UPFC-SMES in a Multi Machine Power System", *International Journal of Applied Power Engineering (IJAPE)* Vol.5, No.1, April 2016, pp.14~21 ISSN:2252-8792
6. Kantilal Joshi AnuradhaGarg,"Distribution System Reconfiguration for Power Loss Reduction under Fault Condition", *International Journal of Engineering Research in Electrical and Electronic Engineering(IJEREEE)*, Vol2, Issue 3, pp-81-85, March 2016
7. Hatwar, P. and Joshi, K, " Control of ultracapacitor-battery combination for ride-through application", *International Journal of Control Theory and Applications*, Vol 9, No2, pp 1103 -1110, 2016
8. Arshi Ansari, K.D.Joshi, "Improvement of Voltage Stability by Optimal Placement and Sizing of Static Var Compensator using Particle Swarm Optimization", *International Journal of Engineering Research & Technology (IJERT)*, Vol 4 , Issue 5, pp 183-188, 2015, ISSN: 2278-0181
9. Amol M Raut, KD Joshi, VK Chandrakar, "Damping of Power System Oscillation using STATCOM Integrated with SMES", *International Journal of Computer Applications*, Vol 119, Issue 8, pp 11-14, June 2015
10. Nikita Ambade, K.D.Joshi, "Voltage Sag Mitigation Using Supercapacitor based Dynamic Voltage Restorer", *International Journal of Research in Engineering and Technology*, Volume: 03, Issue: 04, Apr-2014, eISSN: 2319-1163 | pISSN:2321-730
11. J. G. Agrawal and K. D. Joshi, "Experimental Study of Some Variable Impedance Type FACTS Devices," 2011 Fourth International Conference on Emerging Trends in Engineering & Technology, Port Louis, 2011, pp. 164-167. doi: 10.1109/ICETET.2011.31



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12. J. Agrawal, K.D. Joshi, V. K. Chandrakar, "Experimental Study of Thyristor Controlled Reactor (TCR) and GTO Controlled Series Capacitor (GCSC)", International Journal of Engineering Science and Technology IJEST, vol. 3, no. 6, pp. 4824-4832, Jun. 2011.
13. D. N. Katole and K. D. Joshi, "Analysis and Mitigation of Balanced Voltage Sag with the Help of Energy Storage System," 2010 3rd International Conference on Emerging Trends in Engineering and Technology, Goa, 2010, pp. 317-321. doi: 10.1109/ICETET.2010.163
14. S. A. Chatterjee and K. D. Joshi, "A comparison of conventional, direct-output-voltage and Fuzzy-PI control strategies for D-STATCOM," 2010 Modern Electric Power Systems, Wroclaw, 2010, pp. 1-6. INSPEC Accession Number: 12218165
15. S. A. Chatterjee and K. D. Joshi, "Comparison of Double Loop, Direct-Output-Voltage and Fuzzy-PI Control Strategies for D-STATCOM," 2010 3rd International Conference on Emerging Trends in Engineering and Technology, Goa, 2010, pp. 322-327. doi: 10.1109/ICETET.2010.47
16. Shradha K Umathe, KD Joshi, "STATCOM: Theoretical Aspects & Experimental Study", International Journal of Electrical Engineering, Vol4, Issue4, pp 439-448, Research India Publications
17. K. D. Joshi, H. S. Dalvi and S. G. Thakare, "Statcom Based Fuzzy Controller for Grid Connected Wind Generator," 2009 Second International Conference on Emerging Trends in Engineering & Technology, Nagpur, 2009, pp. 35-39. doi: 10.1109/ICETET.2009.212
18. P. Mahale, K. D. Joshi and V. K. Chandrakar, "Static Synchronous Compensator (STATCOM) with Energy Storage," 2009 Second International Conference on Emerging Trends in Engineering & Technology, Nagpur, 2009, pp. 560-563. doi: 10.1109/ICETET.2009.213
19. K.D.Joshi, D.M.Holey, S.G.Tarnekar, "A Supercapacitor Application Using Sliding Mode Control Technique", International Conference Asian Power and Energy Systems (AsiaPES 2007), April 2 - 4, 2007, Phuket, Thailand ISBN (CD): 978-0-88986-657-7

Patents Filed with Indian Patent Office

1. STATCOM-Ultracapacitor based Power Flow Controller, Application Number 201821011783, Filed on 28/03/2018. Yet to be published
2. Power Quality Assessment of Space Vector Based Unified Power Flow Controller (UPFC), Applied on Transmission Line, Application Number 201721010642, Filed 25/03/2017, Published 28/09/2018
3. Power Quality Assessment of Space Vector Based Static Synchronous Series Compensator (SSSC), Application Number 201721010567, Filed 24/03/2017, Published 28/09/2018
4. Harmonics Reduction by Space Vector Based Static Synchronous Compensator (STATCOM) in Transmission Line, Application Number 201721010566, Filed 24/03/2017, Published 28/09/2018



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Publication Details

Books Published

1. Basic Electrical Engineering (BPTU,Orissa), Dr. S G Tarnekar, Prof. K D Joshi & Prof. Tapas Kumar Mohapatra, ISBN:9788121931991, S. Chand Publishing
2. Basic Electrical and Electronics Engineering, Dr. S G Tarnekar& Prof. K D Joshi, ISBN: 9788121939133, S. Chand Publishing
3. Flexible A.C. Transmission System (FACTS) Devices with Energy Storage System, Kantilal Joshi, Kindle Edition,Amazon, ISBN-10: 1093356014, ISBN-13: 978-1093356014