

Publications

Journal Papers:

1. Kamlesh K. Bharti, Vijay P. Singh, Raj K. Patel, **S P Singh**, *Member, IEEE* “Impact of Intelligent Demand Response for Load Frequency Control in Smart Grid Perspective” in IETE Journal of Research, Taylor and Francis, vol. 65, issue 6, 2019.
2. Rakesh, Ravindra Kumar, **S. P. Singh**, Jaswant Singh and Dr. Akhilesh Kumar Mishra, “Importance of Earthing and Grounding during Construction and Maintenance”, in International Journal of Applied Engineering Research (IJAER), ISSN No.: 0973-4562, Vol. 14, Number 2, pp. 7-12, 2019.
3. Jaswant Singh, B. Singh, **S. P. Singh**, & Mohd Naim, “Performance Evaluation of Direct Torque Control with Permanent Magnet Synchronous Motor” in SAMRIDDHI-A Journal of Physical Sciences Engineering & Technology (S-JPSET), ISSN No. : 2229-7111, Vol. 2, Issue 2, pp. 21-30, 2011, Lucknow (U. P.).
4. **S. P. Singh** & Dr. R. K. Tripathi, “Design of Robust Controller through H_{∞} Approach” in The ICFAI University Journal of Electrical & Electronics Engineering, ISSN No.: 59J-2008-07-02-01, Vol. I, No. 3, pp. 15-29, July, 2008, Hyderabad (Andhra Pradesh).
5. Shashi Pandey, **S. P. Singh**, and Rahul Singh Yadav, “Performance Comparison of DVR and D-STATCOM for Power Quality Improvement using Non-linear Loads”, in International Journal of Advance Research in Science and Engineering (IJARSE), ISSN No.: 2319-8354, Vol. 7, Issue 1, pp. 395-402, April 2018.
6. Shashi Pandey, **S. P. Singh**, and K. G. Upadhyay, “Short Term Electricity Price Forecasting in a Competitive Market by Hybrid Intelligent Approach”, in International Journal of Advance Research in Science and Engineering (IJARSE), ISSN No.: 2319-8354, Vol. 7, Issue 1, pp. 421-429, April 2018.
7. **S. P. Singh**, Dinesh Kumar, Pankaj Kumar Gupta, Ankit Kumar Srivastava, Dilip Kumar, and A. S. Pandey, “Performance Comparison of PV system employed with Perturb & Observe (P & O) and Incremental Conductance MPPT Techniques”, in International Journal of Emerging Technologies and Innovative Research (JETIR), ISSN No.: 2349-5162, Vol. 5, Issue 2, pp. 622-628, February 2018.
8. **S P Singh**, P. K. Gupta, Jaswant Singh, Ravindra Kumar, and H. R. Gurjar, “A Comprehensive Review on MPPT Techniques used for Photo-voltaic Energy Conversion System”, in International Journal on Future Revolution in Computer

9. Bindeshwar Singh, **S P Singh**, Jaswant Singh, Krishna Kumar Singh, Shashank Dadhich, “Utilities of Differential Algebraic Equations (DAE) Model of SVC and TCSC for operation, Control, Planning & Protection of Power System Environments”, in International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSE), ISSN No.: 2454-4248 , Vol. 4, Issue 1, pp. 61-67, January 2018.
10. **S P Singh**, Krishna Kumar Singh, Dr. K. S. Verma, Jaswant Singh, and Naveen Tiwari, “A Review on Control of a Brushless DC Motor Drive”, in International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSE), ISSN No.: 2454-4248 , Vol. 4, Issue 1, pp. 82-97, January 2018.
11. Anup Kumar Singh, R. P. Payasi, and **S P Singh**, “Effect of DG types & Seasonal mixed load models in distributed generation planning”, in International Journal of Emerging Technologies and Innovative Research (JETIR), ISSN No.: 2349-5162 , Vol. 4, Issue 12, pp. 552-559, December 2017.
12. Dilip Kumar Patel, **S P Singh**, Ravindra Kumar, and Kaustubh Kundan Srivastava, “Distributed Generation Planning in Distribution System using Genetic Algorithm”, in International Journal of Emerging Technologies and Innovative Research (JETIR), ISSN No.: 2349-5162 , Vol. 4, Issue 10, pp. 103-115, October 2017.
13. Dilip Kumar Patel, **S P Singh**, and Ravindra Kumar, “Development of Algorithm based on Block pulse function for Numerical protection of Synchronous Generator”, in International Journal of Emerging Technologies and Innovative Research (JETIR), ISSN No.: 2349-5162 , Vol. 4, Issue 10, pp. 116-126, October 2017.
14. Prem Narayan, **S P Singh**, and B K Singh, “A Review of Non-isolated Boost Converters using Two Inductor for High Voltage Applications”, in International Journal of Electronics, Electrical and Computational System (IJECS), ISSN No.: 2348-117X, Vol. 5, Issue 11, pp. 75-90, November 2016.
15. Prem Narayan, Ravindra Kumar, Abdul Hafeez, Prem Nath Verma, and **S. P. Singh**, “Comparison of Parallel and Series Connection of Boost Converter Topology for High Voltage Applications” in International Journal of Innovative Research In Computer and Communication Engineering, ISSN No.: 2230-7656, Vol. 4, Issue 10, pp. 18047-18054, October 2016.
16. K P Yadav, **S. P. Singh**, A K Gautam, and Tarun Varshney, “Power Quality Enhancement by single switch AC-DC Converter” in MIT International Journal of Electrical and Instrumentation Engineering, ISSN No.: 2230-7656, Vol. 4, No. 2, pp. 45-52, August 2014.

17. Satyaveer Gupta, **S. P. Singh**, Deependra Singh, and Manish Tripathi, "Performance Investigation of Shunt and Hybrid Active Power Filters for Power Quality Improvement" in MIT International Journal of Electrical and Instrumentation Engineering, ISSN No.: 2230-7656, Vol. 4, No. 2, pp. 53-60, August 2014.
18. Shobha Rani, **S. P. Singh**, A K Gautam, and Alok Pandey, "Performance Investigation of PID and Hybrid Controllers for Speed Control of Induction Motor using Direct Field Oriented (DFO) Control Technique" in MIT International Journal of Electrical and Instrumentation Engineering, ISSN No.: 2230-7656, Vol. 4, No. 2, pp. 61-68, August 2014.
19. Vikas Shukla, **S. P. Singh**, A K Gautam, and Vipul Agarwal, "Performance Investigation of SVPWM Controlled Diode Clamped and Flying Capacitor Multilevel Converters" in MIT International Journal of Electrical and Instrumentation Engineering, ISSN No.: 2230-7656, Vol. 4, No. 2, pp. 69-80, August 2014.
20. Chandarani Sutar, K S Verma, A S Pandey, and **S. P. Singh**, "Wide Area Measurement and Control using Phasor Measurement Unit in Smart Grid" in International Science Press ,International Journal of Innovations in Electric Power Systems (IJEPS), Vol. 3, No. 2, pp.129-139, July-December, 2012.
21. Rishabh Dev Shukla, Amrita Singh, and **S. P. Singh**, "Generators for variable speed wind energy conversion systems: A Comparative Study" in International Science Press, International Journal of Energy Systems Computer and Control (IJESCC), Vol. 3, No. 2, pp.103-117, July-December, 2012.
22. Ravi Prakash Vishvakarma, **S. P. Singh**, and T N Shukla, "Multilevel Inverter and its Control Strategies: A Comprehensive Review" in International Journal of Material Science and Electronic Research (IJSMER), Vol. 3, No. 2, pp.215-234, July-December, 2012.
23. Bindeshwar Singh, **S. P. Singh**, Manvendra Singh, Rahul Dixit, Nupur Mittal and Anchal Baranwal, "Standalone Power generation by 3- ϕ Asynchronous Generator: A Comprehensive Survey" in International Journal of Review in Computing (IJRIC), ISSN No.: 2076-3328, Vol. 10, pp.36-51, July, 2012.
24. Bindeshwar Singh, Nupur Mittal, K S Verma, Deependra Singh, **S. P. Singh**, Rahul Dixit, Manvendra Singh, and Anchal Baranwal "Multilevel Inverter: A Literature Survey on Topologies and Control Strategies" in International Journal of Review in Computing (IJRIC), ISSN No.: 2076-3328, Vol. 10, pp.1-16, July, 2012.

25. Ravindra Kumar, **S. P. Singh**, Bindeshwar Singh, and Ravi Prakash Vishvakarma, "Characterization of Voltage Sags and its Mitigation using Custom Power Devices in emerging Power System" in International Journal of Buletin Teknik Elektro Dan Informatika (Bulletin of Electrical Engineering and Informatics (TEI), ISSN No.: 2089-3191, Vol. 2, No. 2, pp.101-121, June 2012.
26. Amrita Singh, Bindeshwar Singh, **S. P. Singh**, and Rishabh Dev Shukla, "Enhancement of Performance Parameters of Wind Power Plants: A Technological Survey" in International Science Press, International Journal of Micro and Nano Electronics Circuits and Systems (IJMNECS), Vol. 5, No. 1, pp.24-45, January-June, 2013.
27. Bindeshwar Singh, **S. P. Singh**, and Suchitra Mishra, "Application of UPFC in Power System Network using MATLAB/Simulink Environment" in International Science Press, International Journal of Micro and Nano Electronics Circuits and Systems (IJMNECS), Vol. 5, No. 1, pp.18-23, January-June, 2013.
28. Jaswant Singh, Bindeshwar Singh, **S. P. Singh**, Mohd Naim, and Rahul Dixit, "Performance Evaluation of Permanent Magnet Synchronous Motor (PMSM) Drive using DTC Technique" in International Journal of Reviews in Computing (IJRIC), ISSN No.: 2076-3328, Vol. 9, No. 1, pp.41-61, 10th April, 2012.
29. S K Pandey, **S. P. Singh**, and V P Singh, "Load Frequency Control of an Asynchronous Restructured Power System: A Fuzzy Logic Approach" in International Journal of Engineering, Science and Technology (IJEST), Vol. 4, No. 1, ISSN No. 2141-2839, pp.16-22, March 2012.
30. Satyaveer Gupt, Ankit Dixit, Nikhil Mishra and **S. P. Singh**, "Custom Power Devices for Power Quality Improvement: A Review" in International Journal of Research in Engineering & Applied Sciences (IJREAS), ISSN: 2249-3905, Volume 2, Issue 2, February 2012.
31. Nitya Nand, **S. P. Singh**, Deependra Singh, and Tarun Varshney, "An efficient Control on Photovoltaic Energy Conversion System using Modified Perturb and Observe Technique for Stand Alone Applications" in MIT International Journal of Electrical and Instrumentation Engineering, ISSN No.: 2230-7656, Vol. 2, No. 1, pp. 25-30, Jan. 2012.
32. Bindeshwar Singh, Padma Chaturvedi, S.K. Sinha, A. S. Pandey, and **S.P. Singh**, "Enhancement of the Performance Parameters of three phase Induction Motor Using Multilevel Converters: A Literature Survey," International Journal of Reviews in Computing (IJRIC), ISSN No.: 2076-3328, Vol. 8, pp.34-46. October-December, 2011.
33. Jaswant Singh, Bindeshwar Singh, **S P Singh**, Mohd. Naim, and Rajneesh Mishra, "Enhancement of Performance Parameters of Three Phase Induction Motor by Vector

Control Methods,” International Journal of Computational Intelligence Research & Applications (IJCIRA), ISSN No.: 0973-6794, Vol.5, No.1, pp. 41-61, 2011.

34. Ravindra Kumar, **S. P. Singh**, K S Verma, Bindeshwar Singh, and Jaswant Singh, “Voltage Sags Characterization and Their mitigation using Custom Power Devices” in *International Journal of Engineering & Technoscience (IJETs)*, Vol. 02, Issue 4, pp.320-335, July-August 2011.
35. Ravindra Kumar, **S. P. Singh**, K S Verma, Bindeshwar Singh, and Jaswant Singh, “Voltage Sags Characterization and its Impact Assessment on Equipment Behaviour” in *International Journal of Engineering & Technoscience (IJETs)*, Vol. 02, Issue 4, pp.302-313, July-August 2011.
36. Bindeshwar Singh, **S. P. Singh**, J Singh, and Mohd Naim, “Performance Evaluation of Three-phase Induction Motor Drive fed from Z-Source Inverter” in *International Journal on Computer Science and Engineering (IJCSE)*, Vol. 03, No. 03, pp.1277-1289, 2011.
37. Bindeshwar Singh , N K Sharma, A N Tiwari, and **S. P. Singh**, “Incorporation of FACTs Controllers in Newton Raphson load flow for power flow operation, control and planning: A Comprehensive Survey” in *International Journal on Computer Science and Engineering (IJCSE)*, ISSN No.: 2117-2124, Vol. 02, No. 06, pp. 2117-2124, 2010.

Research Article in International Magazines / Book Chapters:

1. **Dr. S. P. Singh**, *Member, IEEE*, Krishna Kumar Singh, and Bhavnesk Kumar “Performance Evaluation of Brushless DC Motor Drive Supplied from Hybrid Sources” published in **Applications of Artificial Intelligence Techniques in Engineering**, Springer Nature Singapore Pvt. Limited, Chapter No. 41, ISBN. No. 978-981-13-1821-4, 2019.

Conference Proceedings:

1. **S P Singh**, *Member, IEEE*, et. al. “Voltage Stability in Emerging Power System using Coordinated control of SVC and TCSC” in National Conference on Computational and Characterization Techniques in Engineering and Sciences CCTES-19 sponsored by TEQIP-III and organised by Department of Applied Sciences and Humanities, Rajkiya Engineering College, Ambedkar Nagar during September 06-07, 2019.
2. Pavan Prakash Gupta, S K Sinha, and **S P Singh**, *Member, IEEE*, “Performance Investigation of Multipulse Converter fed Vector Controlled Induction Motor Drive”

in 4th Students' Conference on Engineering and Systems (SCES-2015) Co-sponsored by IEEE joint Society Chapter of IE/PEL/CS Technically sponsored by IEEE UP Section, ISSN No.: 978-1-4673-8598-5, pp. 1-7, during November 6-8, 2015, MNNIT Allahabad, Allahabad (U. P.).

(Available at IEEE Explorer)

3. Nikhil Gupta, Dr. **S. P. Singh**, *Member, IEEE*, "Power Quality Improvement in Distribution system using Unified Power Quality Conditioner" in 2nd National Power & Energy System Conference (NPESC-15) sponsored by TEQIP II, April 10-11, 2015, Organized by Department of Electrical Engineering, Kamla Nehru Institute of Technology, Sultanpur (U. P.)-228 118
4. **S P Singh**, *Member, IEEE*, and R K Tripathi "Performance Comparison of SPWM and SVPWM Techniques in NPC Bidirectional Converter" in 3rd Students' Conference on Engineering and Systems (SCES-2013) Co-sponsored by IEEE joint Society Chapter of IE/PEL/CS Technically sponsored by IEEE UP Section, ISSN No.: 978-1-4673-5629-9, pp. 382-392, during April 12-14, 2013, MNNIT Allahabad (U. P.).
(Available at IEEE Explorer)
5. Amrita Singh, **S. P. Singh**, "State of the Art Generators for Wind Energy Conversion Systems" in National Conference on Recent Trends in Energy Systems (NCRTES-2013), 05th-06th April, 2013, Department of Electrical Engineering, Kamla Nehru Institute of Technology, Sultanpur, (U.P.)-228 118.
6. Jaswant Singh, Bindeshwar Singh, **S P Singh**, and Mohd Naim "Investigation of Performance Parameters of PMSM Drive using DTC-SVPWM Technique" in 2nd Students' Conference on Engineering and Systems (SCES-2013) Co-sponsored by IEEE joint Society Chapter of IE/PEL/CS Technically sponsored by IEEE UP Section, ISSN No.: 978-1-4673-0455-9, pp. 382-387, during 16-18, March, 2012, MNNIT Allahabad (U. P.).
(Available at IEEE Explorer)
7. Nitya Nand Singh, **S P Singh**, Deependra Singh, Ravi Prakash Vishvakarma, Bindeshwar Singh "An efficient Control on Photovoltaic Energy Conversion system using Modified Perturb and Observe Technique for stand alone applications" in IEEE Students' Conference on Electrical, Electronics and Computer Science (SCEECS 2012), ISSN No.: 978-1-4673-1515-9, pp. 1-4 during 1st-2nd March, 2012, organized by IEEE MANIT Student Branch at Maulana Azad National Institute of Technology, Bhopal (M.P.)
(Available at IEEE Explorer)

8. Ravi Prakash Vishvakarma, **S P Singh**, T N Shukla, Shashank Kumar Kushwaha, Devbrat “3-Phase Grid Connected Liquid Solar arrays Photovoltaic Inverter Control loop design” in IEEE Students’ Conference on Electrical, Electronics and Computer Science (SCEECS 2012), ISSN No.: 978-1-4673-1515-9, pp. 1-4 during 1st-2nd March, 2012, organized by IEEE MANIT Student Branch at Maulana Azad National Institute of Technology, Bhopal (M.P.)
(Available at IEEE Explorer)
9. Anuj Verma, **Dr. S. P. Singh**, *Member, IEEE*, and R. P. Payasi, *Member, IEEE* “Fuzzy logic based MPPT Technique for photo Voltaic Energy Conversion System” in National Conference on Recent Advances in Electrical Engineering (RAEE-15) sponsored by TEQIP II, ISSN No.: 978-3-642-37948-2, pp. 1-8, April 25-26, 2015, Organized by Department of Electrical Engineering, Madam Mohan Malviya University of Technology, Gorakhpur (U. P.)-273 010
10. **S. P. Singh** & Dr. R. K.Tripathi, “DC Bus Capacitor Voltage Balancing Strategy in NPC Converter” in 17th National Power System Conference (NPSC), ISSN No.: 978-81-8487-439-6, pp. 125-130, 12th-14th December, 2012, IIT (BHU), Varanasi (U. P.).
11. **S. P. Singh** & Dr. R. K.Tripathi, “Performance Evaluation of Artificial Neural Network based SVPWM Technique for NPC Converter” in 17th National Power System Conference (NPSC), ISSN No.: 978-81-8487-439-6, pp. 156-162, 12th-14th December, 2012, IIT (BHU), Varanasi (U. P.).
12. Nupur Mittal, Dr. K.S. Verma, Dr. Deependra Singh, **S.P. Singh**, Rahul Dixit and Manvendra Singh “Multilevel Inverter: A Literature Survey on Topologies and Control Strategies” in National Conference on Recent Advances in Electronics and Electrical Engineering (NCAEEE 2012, organized by Department of Electronics & Communication Engineering & Electrical & Electronics Engineering, Dev Bhoomi Institute of Technology, Dehradun (U.K.)-248007,), pp.1-13, on 17th March, 2012,
13. Rahul Dixit, B. Singh, **S. P. Singh**, Nupur Mittal, and Manvendra Singh “Adjustable Speed Drives: Review on Different Inverter Topologies” in National Conference on Recent Advances in Electronics and Electrical Engineering (NCAEEE 2012), organized by Department of Electronics & Communication Engineering & Electrical & Electronics Engineering, Dev Bhoomi Institute of Technology, Dehradun (U.K.)-248007, pp.1-11, on 17th March, 2012,
14. Satyaveer Gupt, **S. P. Singh**, and Deependra Singh “A Review on Active Power Filter and its Control Techniques” in AICTE Sponsored National Conference on Computer Applications in Electrical Engineering: Recent Trends (CAEE-RT 11), pp.

1-9, 16th-17th December, 2011, Department of Electrical Engineering, MITS Gwalior (M.P.)

15. Ravi Prakash Vishvakarma, **S. P. Singh**, and T.N. Shukla “Performance Comparison of Modulation Techniques for Induction Motor Fed Cascaded Neutral-Point-Clamp Inverter” in AICTE Sponsored National Conference on Computer Applications in Electrical Engineering: Recent Trends (CAEE-RT 11), pp. 1-7, 16th-17th December, 2011, Department of Electrical Engineering, MITS Gwalior (M.P.)
16. Jaswant Singh, Bindeshwar Singh, **S. P. Singh**, Mohd. Naim and Dilip Kumar, “Enhancement of Performance parameters of three-phase induction motors by vector control methods” in National Conference on Recent Development in Electrical Engineering (NCRDEE, 2011), pp.29-44, 10th-11th June, 2011, Department of Electrical Engineering, Jalpaiguri Government Engineering College, Jalpaiguri, (W.B.)-735102.
17. Mohd. Naim , Bindeshwar Singh, **S. P. Singh**, Jaswant Singh, and Dilip Kumar, “Improvement of Power Factor and Reduction of Harmonics in three-phase Induction motor by PWM Techniques ” in National Conference on Recent Development in Electrical Engineering (NCRDEE, 2011), pp.45-59, 10th-11th June, 2011, Department of Electrical Engineering, Jalpaiguri Government Engineering College, Jalpaiguri, (W.B.)-735102.
18. J. Singh, **S. P. Singh**, B. Singh and Mohd. Naim, “Performance evaluation of Three-phase Induction Motor drive fed from Z-source Inverter” in National Conference on Recent Advances in Electrical Power and Energy System Management (RAEPESM, 2011), pp.1-6, 25th-26th March, 2011, Department of Electrical Engineering, M.M.M. Engineering College, Gorakhpur, (U.P.)-273010.
19. C.P. Singh, **S. P. Singh**, & Dr. R. K.Tripathi, “A Lab VIEW based Power Factor Correction of Single phase Nonlinear Loads with an Active Power Filter” in National Conference on Recent Advances in Electrical & Electronics Engineering (RAEEE-09), ISSN No.: 979-81-8424-261-3, pp.1-6, 23th-24th December, 2009, Department of Electrical Engineering, National Institute of Technology, Hamirpur (H.P.)-177055.
20. **S. P. Singh** & Dr. R. K.Tripathi, “Rating issues and DC Bus capacitor selection for Design of a Three-phase Four-Wire Active Power Filters in Active Filters” in 15th National Power System Conference (NPSC), pp.1-6, 16th-18th December, 2008, IIT Bombay, Mumbai (Maharashtra).
21. **S. P. Singh** & Dr. R. K. Tripathi, “Design and Implementation of Three phase four wire Active Filters” in National Conference on Emerging Trends in Electrical,

Electronics and Computer Engineering, IEEE Co-Sponsored, pp.1-7, September 5-6, 2008, Ghaziabad (Uttar Pradesh).

22. **S. P. Singh** & Dr. R. K. Tripathi, "Rating issues and DC Bus capacitor selection in Active Filters" in National Conference on Emerging Trends in Electrical, Electronics and Computer Engineering, IEEE Co-Sponsored, pp.1-6, September 5-6, 2008, Ghaziabad (Uttar Pradesh).
23. **S. P. Singh** & Dr. R. K. Tripathi, "Comparative Analysis of Different VSI Topologies & Control Strategies used for Three-Phase Active Power Filters" in National Conference on Current Trends in Technology, 'NUCONE-2007', ISSN No.: 81-8424-261-1, pp.1-6, November 29-December1, 2007, Ahmedabad (Gujarat).
24. **S. P. Singh** & Dr. R. K. Tripathi, "Mitigation of Voltage Sags with Dynamic Voltage Restorer Using Wavelets" in National Conference on Current Trends in Technology, 'NUCONE-2007', ISSN No.: 81-8424-261-1, pp.1-5, November 29-December1, 2007, Ahmedabad (Gujarat).
25. Vijay P. Singh, Raj K. Patel, Naveen Kumar Pandey, **S P Singh**, *Member, IEEE*, and Kamlesh Bharti, "Impact of Demand Response in Integration of Renewable Energy Resources in Smart Grid" in 8th International Conference on Power System (ICPS-19) organised by MNIT, Jaipur during December 20-22, 2019.
(Available at IEEE Explorer)
26. Kamlesh Kumar Bharti, Vijay P. Singh, Raj K. Patel, and **S P Singh**, *Member, IEEE*, "Algorithm for tracking the Maximum Power from PV System" in 3rd International Conference on Recent Developments in Control Automation & Power Engineering (RDCAPE-19) organised by Amity University Uttar Pradesh, Noida during October 10-11, 2019.
(Available at IEEE Explorer)
27. **S P Singh**, *Member, IEEE*, et. al. "Comparison of suboptimal control for high order dynamics system" in International Conference REC-CON-19 sponsored by TEQIP-III and organised by Department of Electrical Engineering, Rajkiya Engineering College, Ambedkar Nagar during November 28-29, 2019.
28. **S P Singh**, *Member, IEEE*, et. al. "Comparison of controllers used in fuel cell for Power Conditioning" in International Conference REC-CON-19 sponsored by TEQIP-III and organised by Department of Electrical Engineering, Rajkiya Engineering College, Ambedkar Nagar during November 28-29, 2019.
29. **S P Singh**, *Member, IEEE*, et. al. "Intellectual property rights: Basics and application procedures" in International Conference REC-CON-19 sponsored by TEQIP-III and organised by Department of Electrical Engineering, Rajkiya Engineering College, Ambedkar Nagar during November 28-29, 2019.

30. Mohammed Aslam Husain, Arif Iqbal, Yudhishtir Pandey, Dr. **S. P. Singh**, *Member, IEEE*, and Abu Tariq “A novel fast alternative Duty (FAD) MPPT procedure for Solar PV Hybrid Vehicles” in UPCON-2018 5th IEEE Uttar Pradesh Section International Conference, organized by MMMUT, Gorakhpur, during November 02-04, 2018.
(Available at IEEE Explorer)
31. Shashi Pandey, Shashi Kant Chaudhary, Dr. **S. P. Singh**, *Member, IEEE*, and K. G. Upadhyay “Hankel Norm Approximation of a Highly Unstable Systems” in UPCON-2018 5th IEEE Uttar Pradesh Section International Conference, organized by MMMUT, Gorakhpur, during November 02-04, 2018. (Got Best Paper Award)
(Available at IEEE Explorer)
32. Shashi Pandey, Rahul Singh Yadav, Dr. **S. P. Singh**, *Member, IEEE*, and K. G. Upadhyay “A remedy for Elimination of Harmonics in Solar Integrated Grid System” in IEEE International Conference on Computational and Characterization Techniques in Engineering and Science (CCTES-18), organized by Departments of Electronics & Communication Engineering, Electrical Engineering & Physics, Integral University Lucknow, during September 14-15, 2018.
(Available at IEEE Explorer)
33. Neha Singh, Yogesh K. Chauhan, **Dr. S. P. Singh**, *Member, IEEE*, Ankit Kumar Srivastava “Shading issues in Photo-voltaic modules and its Performance Assessment” in International Conference on Power Energy, Environment and Intelligent Control (PEEIC-18), organized by G. L. Bajaj Institute of Technology & Management, Greater Noida, during April 13-14, 2018.
(Available at IEEE Explorer)
34. Kumari Gita and **Dr. S. P. Singh**, *Member, IEEE*, “Selective harmonic elimination of Double cell three phase cascaded inverter using PWM Technique” in International Conference on Innovative Entrepreneurship and Start-up (ICIES-17), ISSN No.: 978-93-86256-55-3, pp.115-121, organized by Department of Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur during March 03-04, 2017.
35. Dilip Kumar Patel, **Dr. S. P. Singh**, *Member, IEEE*, A K Gautam and Ravindra Kumar, “Application of GA in MATLAB Environment for optimization in Power System operation and Security” in International Conference on Innovative Entrepreneurship and Startup (ICIES-17), ISSN No.: 978-93-86256-55-3, pp.234-242, organized by Department of Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur during March 03-04, 2017.
36. Dilip Kumar Patel, **Dr. S. P. Singh**, *Member, IEEE*, A K Gautam and Ravindra Kumar, “Voltage Source Converter based HVDC Active Power Controller to Damp out Resonance oscillations in Turbine Generator System” in International Conference on Innovative Entrepreneurship and Startup (ICIES-17), ISSN No.: 978-93-86256-55-3, pp.115-121, organized by Department of Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur during March 03-04, 2017.

37. **Dr. S. P. Singh**, *Member, IEEE*, A. K. Gautam, S. P. Tripathi and Dr. Bhavnesh Kumar, "Performance Comparison of MPPT Techniques using Cuk converter for photovoltaic energy conversion system" in 3rd International Conference on Computational Intelligence & Communication Technology (CICT-17), ISSN No.: 978-1-5090-6218-8, pp.1-7, organized by ABES Engineering College, during Feb. 09-10, 2017.
(Available at IEEE Explorer)
38. **Dr. S. P. Singh**, *Member, IEEE*, A. K. Gautam, Jyoti Dubey, J. P. Pandey and Dr. R. P. Payasi, "Performance Comparison of PMSM Drive using PI and Fuzzy Logic controllers" in 3rd IEEE UP Section International Conference on Electrical, Computer and Electronics Engineering (UPCON-16), ISSN No.: 978-1-4673-8888-7, pp.1-6, organized by Indian Institute of Technology (Banaras Hindu University), Varanasi, during December 09-11, 2016.
(Available at IEEE Explorer)
39. A. K. Gautam, **Dr. S. P. Singh**, *Member, IEEE*, J. P. Pandey, Dr. R. P. Payasi, and Anuj Verma, "**Fuzzy logic based MPPT Technique for photo-voltaic Energy Conversion System**" in 3rd IEEE UP Section International Conference on Electrical, Computer and Electronics Engineering (UPCON-16), ISSN No.: 978-1-4673-8888-7, pp.1-6, organized by Indian Institute of Technology (Banaras Hindu University), Varanasi, during December 09-11, 2016.
(Available at IEEE Explorer)
40. Bhavnesh Kumar, Yogesh K Chauhan, and **Dr. S. P. Singh**, *Member, IEEE*, "MRAS based Speed Estimation Strategies for Induction Motor Drives: A Review" in 2016 IEEE Seventh India International Conference on Power Electronics (IICPE-2016), ISSN No.: 978-1-4673-8962-4, pp.1-4, organized by Thapar University, Patiala (Punjab), during November 17-19, 2016.
(Available at IEEE Explorer)
41. A. K. Gautam, **Dr. S. P. Singh**, *Member, IEEE*, Dr. R. P. Payasi and J. P. Pandey, "Performance Investigation of Unified Power Quality Conditioner for Power Quality Improvement in Distribution System" in International Conference on Advance Computational Techniques in Information & Communication Technology (ICACTICT-16), ISSN No.: 978-93-86256-00-3, pp.113-119, organized by Department of Electronics Engineering, Kamla Nehru Institute of Technology, Sultanpur during September 23-24, 2016.
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