

# Shri Ramdeobaba College of Engineering & Management, Nagpur

## Department of Electrical Engineering

### Paper Publication in Journal & Conference

Year 2019-20

<b>Year 2019-20: Journals</b>				
<b>Sr. No.</b>	<b>Title of the Paper</b>	<b>Name of Authors</b>	<b>Name of Journal, Volume, issue, PP</b>	<b>Month &amp; year of Publication</b>
1	The Global Survey of Electrical Energy Distribution System: A Review	1. Archana Talhar 2. Sanjay Bodkhe	International Journal of Electrical and Computer Engineering (IJECE), Vol. 9, No. 4, pp 2247-2255, ISSN: 2088-8708, 10.11591/ijece.v9i4	August 2019
2	Protection Scheme using RPI Concept in STATCOM Compensated EHV System	1. Anuradha Kurekar 2. Piyush Khadke	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, Issue 9, pp 2730 to 2733 ISSN: 2278-18136078919/19©BEIESP	July 2019
3	Pilot Relaying Scheme Based on Differential Admittance Concept for FSC-Compensated EHV Transmission Line	1. Piyush Khadke 2. N. R. Patne, 3. Arvind Singh, 4. G. Shinde	SPRINGER- Iranian Journal of Science and Technology, Transactions of Electrical Engineering, 2228-6179 (Print) 2364-1827 (Online), <a href="https://doi.org/10.1007/s40998-019-00279-3">https://doi.org/10.1007/s40998-019-00279-3</a>	October 2019
4	Performance Analysis of Machine Learning Classifiers for Fault Type Classification in Multi-Bus Power Systems	1. Janak Raj Chadha 2. Megha Pandey 3. Tejash Sharma 4. N.R. Patne 4. Piyush Khadke	Helix: The Scientific Explorer, Vol. 9 (6) pp. 5910-5915, ISSN no. 2277-3495, DOI 10.29042/2019-5910-5915	Dec. 2019
5	Comparative Simulative Study of Power Factor Improvement by Employing Extinction Angle Control in AC-AC Voltage Converter	1. Komal Ambhorkar 2. Piyush Khadke, 3. Dhananjay Tutakne	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5857-5862 ISSN no. 2277-3495, DOI 10.29042/2019-5857-5862	Dec. 2019
6	Transmission Line Fault Analysis Using Artificial Neural Network	1 Arpit Singh Sandhu. 2. Vinay Barhate, 3. Sudarshan Khond	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5904-5909, ISSN no. 2277-3495, DOI 10.29042/2019-5904-5909	Dec. 2019
7	Interfacing of PV Array with AC Grid using Twelve Pulse Converter	1. Yasir Sheikh. 2. Sudarshan Khond, 3. M. M. Renge	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5884-5888, ISSN no. 2277-3495, DOI 10.29042/2019-5884-5888	Dec. 2019
8	Comparison of DC-DC Converter Topologies for Electric Vehicular Application	1. M. B Gaikwad 2. M. V. Palandurkar	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5879*5883, ISSN no. 2277-3495, DOI 10.29042/2019-5879-5883	Dec. 2019

9	Use of FACTS Devices for Improvement of Voltage Profile in Power System	1. S.D. Naik 2. Anurag Shrivastava 3. Yogesh Awadhiya	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5874-5878, ISSN no. 2277-3495, DOI 10.29042/2019-5874-5878	Dec. 2019
10	Investigating Optimal Location of DSSC to Minimize Reactive Power Generation	1. S. R. Gaigowal 2. M. M. Renge, 3. Sandeep Bhongade, 4. R. S. Khonde	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5863*5867, ISSN no. 2277-3495, DOI 10.29042/2019-5863-5867	Dec. 2019
11	Overview of Existing Electricity Tariff Structure & Residential Load Pattern in Maharashtra: A Case Study	1. Archana S. Talhar 2. Sanjay B. Bodkhe, 3. Apurva Ambade, 4. L. S. Belge	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5841-5846, ISSN no. 2277-3495, DOI 10.29042/2019-5841-5846	Dec. 2019
12	Reactive Power Compensation of the Grid Connected PV System	1. Vijaya Huchche 2. Prachi Salodkar, 3. Pratik Manusmare	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5836-5840, ISSN no. 2277-3495, DOI 10.29042/2019-5836-5840	Dec. 2019
13	Comparative Analysis of Power Loss using Different Modulation Techniques in Modular Multilevel Converter	1. Preeti V. Kapoor 2. Mohan M. Renge, 3. Sonali Rangari	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5831-5835, ISSN no. 2277-3495, DOI 10.29042/2019-5831-5835	Dec. 2019
14	Development of Micro Phasor Measurement Unit ( $\mu$ -PMU) to Facilitate Synchrophor Learning at Undergraduate Level	1 Saurabh Chaurasia. 2. Vikram Chandora, 3. Abhishek Tripathi, 4. U. B. Mujumdar 4. Jayant Joshi	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5826-5830, ISSN no. 2277-3495, DOI 10.29042/2019-5826-5830	Dec. 2019
15	Modelling and Speed Control of Permanent Magnet Brushless DC Motor using PID	1. Sonali Rangari 2. Gunwanti Shende, 3. Preeti Kapoor	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5821-5825, ISSN no. 2277-3495, DOI 10.29042/2019-5821-5825	Dec. 2019
16	, Discrimination of Inrush and Fault Currents in Protection of Transformer using ANN-DWT Technique	1 Vinay Barhate. 2. Parikshit Bangade, 3. Sangita Deshmukh, 4. Sudarshan Khond	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5806-5812, ISSN no. 2277-3495, DOI 10.29042/2019-5806-5812	Dec. 2019
17	Hybrid Energy Storage System for Electric Vehicle	1. Prachi S. Hatwar 2. Alok Ranjan, 3. Akshay D. Kadu, 4. Pankaj R. Sawarkar, 5. Sanjay B. Bodkhe, 6. Vinay T. Barhate	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5801-5805, ISSN no. 2277-3495, DOI 10.29042/2019-5801-5805	Dec. 2019
18	Comparative Analysis of Inverter Topology to Drive Four AC Loads	1. Damini Shingne 2. Gaurav Goyal	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5790-5794, ISSN no. 2277-3495, DOI 10.29042/2019-5790-5794	Dec. 2019
19	Fast Energy Exchange between Fixed Supercapacitor and On-board Supercapacitor	1. M. V. Palandurkar 2. Manisha Gaikwad, 3. Mohan Renge	Helix: The Scientific Explorer, Vol. 9 (6), pp. 5784-5789, ISSN no. 2277-3495, DOI 10.29042/2019-5784-5789	Dec. 2019
20	Comparison of Shoot through technique for	1. Rahul V Adle 2. Mohan M Renge	Helix: The Scientific Explorer, Helix (2020) 10 (1): 241-244 ISSN	Feb 2020

	Series Z-source inverter		no. 2277-3495, <a href="https://doi.org/10.29042/2020-10-1-241-244">https://doi.org/10.29042/2020-10-1-241-244</a>	
21	Simulation Study of Multi-Phase Multi-pole Induction Motor Drive for Electric Propulsion System	1. S. V. Umredkar 2. R Keshri, 3. M M Renge, 4. V B Borghate	Helix: The Scientific Explorer, Helix, (2020) 10 (2): 26-30 ISSN no. 2277-3495, <a href="https://doi.org/10.29042/2020-10-2-26-30">https://doi.org/10.29042/2020-10-2-26-30</a> ,	April 2020
22	Modelling and Simulation of Two Gear Electric Vehicle in MATLAB SIMULINK	1. Sudarshan Khond 2. Yasir Sheikh, 3. Mohan Renge	Helix: The Scientific Explorer Helix (2020) 10 (2): 31-37 ISSN no. 2277-3495, <a href="https://doi.org/10.29042/2020-10-2-31-37">https://doi.org/10.29042/2020-10-2-31-37</a> ,	April 2020
23	Space vector modulation of Nine Switch Inverter for Six Phase Induction Motor Drive	1. Chaitanya Jibhakate 2. Madhuri Chaudhari, 3. Mohan Renge	Helix: The Scientific Explorer Helix, (2020) 10 (2): 43-47 ISSN no. 2277-3495, <a href="https://doi.org/10.29042/2020-10-2-43-47">https://doi.org/10.29042/2020-10-2-43-47</a>	April 2020
24	Modern Techniques for Power Swing Detection and Classification - A Review	1. Sudarshan Khond 2. Vinay Barhate, 3. S.B.Bodkhe	Helix: The Scientific Explorer, Helix (2020) 10 (1): 265-270, ISSN no. 2277-3495, <a href="https://doi.org/10.29042/2020-10-1-265-270">https://doi.org/10.29042/2020-10-1-265-270</a> ,	Feb 2020
25	Partial shading, effects and solution for photovoltaic string: A Review	1. Pankaj Sawarkar 2. Sanjay Bodkhe, 3.Minakshi Bopche, 4.Praful Kumbhare	Helix: The Scientific Explorer, Helix (2020) 10 (2): 58-62, ISSN no. 2277-3495, <a href="https://doi.org/10-29042/2020-10-2-58-62">https://doi.org/10-29042/2020-10-2-58-62</a> ,	April 2020
26	Line Synchronised Control Pulses for Three Phase Induction Motor AC-AC Drive Using Analog Phase Lock Loop Technique	1. S. H . Deshmukh 2. V T Barhate, 3. D R Tutakne	Helix: The Scientific Explorer, Helix (2020) 10 (1): 235-240, ISSN no. 2277-3495, <a href="https://doi.org/10.29042/2020-10-1-235-240">https://doi.org/10.29042/2020-10-1-235-240</a> ,	Feb 2020
27	Impact of Different Types of Voltage Sag on Adjustable Speed Drive	1 Anurag Khergade. 2. R. J. Satputaley, 3. S. B. Bodkhe	Helix: The Scientific Explorer, Helix (2020) 10 (1): 245-249, no. 2277-3495, <a href="https://doi.org/10.29042/2020-10-1-245-249">https://doi.org/10.29042/2020-10-1-245-249</a> ,	Feb 2020
28	Improvement in performance of series Z-source Inverter with an Application as Solar PV Fed Water Pump	1. Rahul Adle 2. M. M Renge 3. S. P. Muley	Iranian Journal of Science and Technology, Transaction of Electrical Engg., 44, pages1263– 1279(2020), ISSN-222-86179 DOI: 10.1007/s40998-020-00310-y	Jan2020
29	Pulse width modulation control of fifteen-switch inverter for four AC loads	1. Gaurav Goyal 2. Mohan Aware	Turkish Journal of Electrical Engineering & Computer Sciences, ISSN:13000632, 13036203 10.3906/elk-1905-26 28: 509 – 524	Jan 2020
30	Voltage Stability and Power Quality Studies on Transmission Line Model for Linear Load	1. Pranav Wankhede 2. S. D. Naik	International Journal of Advanced Science and Technology , Vol. 29, No. 7, (2020), pp. 3640- 3652, ISSN: 2005-4238 IJAST	June 2020

31	CMOS-NAND Based Gate Driver Card of IGBT for Fault Diagnosis in VSI	1. Sonali. C. Rangari 2. Gunwanti. S. Shende 3. Mohan. M. Renge	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-9 Issue-10, ISSN: 2278-3075	August 2020
32	Fault Current Analysis For Various Faults In High Voltage Line For Travelling Wave Based Protection	1. Shivani Shende, 2. Shivani Khandagare	International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 3680-3688	2020
33	THD Analysis of Five Phase Inverter for Different Conduction Modes	1. Shivani Shende, 2. Shivani Khandagare 3. Tejaswini Kirpane	International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 10335-10342	2020

<b>Year 2019-20: Conference</b>				
<b>Sr. No.</b>	<b>Title of the Paper</b>	<b>Names of the Authors</b>	<b>Name of the Conference, Organisation details and Place</b>	<b>Dates of the Conference</b>
1	Unity Power Factor Three Phase Induction Motor Drive using Combined Extinction Angle & PWM Controlled Technique	1. S. H. Deshmukh 2. V. T. Barhate	13 <sup>th</sup> IEEE International Conference on Power Electronics & Drives Systems (IEEE PEDS 2019), Toulouse, France	09-12 July 2019
2	Fractional Order Controller for DVR to Mitigate Torque Pulsation of an Induction Motor during Voltage Sag	Vijaya A Huchche	13 <sup>th</sup> IEEE International Conference on Power Electronics & Drives Systems (IEEE PEDS 2019), Toulouse, France	09-12 July 2019
3	Design of Pulse Power Supply by Rotating Spark Gap for Repetitive Surge Voltage Generation	1. T. G. Arora 2. S C Rangari	IEEE International Conference "The 2020 International Electrical Engineering Congress (iEECON2020)", Thailand	06-08 March 2020
4	Generator reactive power constrained voltage stability of large power system under critical line outage	S. D. Naik	IEEE International Conference "The 2020 International Electrical Engineering Congress (iEECON2020)", Thailand	06 - 08 March 2020