

Agnel Charities

Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra

Paper/Journal Publications

Calendar Year 2021

List of Papers Published in Journal (Bindu R)

1. **Bindu, R., Thale, S.**, Performance Analysis of Power Sharing Control Strategies for Battery/Ultracapacitor Hybrid Energy Storage Based Electric Vehicle, (2020) International Review of Electrical Engineering (IREE), 15 (5), pp. 382-393. [doi: https://doi.org/10.15866/iree.v15i5.18404](https://doi.org/10.15866/iree.v15i5.18404)
2. **R. Bindu and Sushil Thale**, Power Management Strategy for an Electric Vehicle Driven by Hybrid Energy Storage System, IETE Journal of Research, Taylor & Francis, Mar 2020. <https://doi.org/10.1080/03772063.2020.1729257>
3. **Divya M, Bindu R** "Ant Colony Optimization method applied to Distribution Network Reconfiguration," 'International Journal of Advanced Research in Computer and Communication Engineering Vol 2 Issue 10, Oct.2013.
4. Deepa Vincent, **Bindu R** "Three Phase Induction Motor Design in Windows Programming Platform," 'International Journal of Engineering and Innovative Technology (Online) ISSN: 2277-3754 Volume 3, Issue 1, July 2013
5. Ram Bhosale, Juber Shaikh, **Bindu R** "Analysis of Inverter Modulation Strategies for Vector controlled Drive," 'International Journal of Advances in Electrical and Electronics Engineering Vol.2, No.1, ISSN 2319-1112 Feb 2013
6. Amol Karpe, **Bindu R** "A Comparison of Conventional and Multilevel Inverter for 2.3 kV Induction Motor Drives," International Journal of Advances in Electrical and Electronics Engineering Vol.2, No.1, ISSN 2319-1112 Feb 2013
7. **Divya M, Bindu R** "Simultaneous network reconfiguration and capacitor placement for loss reduction of distribution systems by Ant Colony Optimization algorithm," 'International Journal of Advances in Electrical and Electronics Engineering Vol.1, No.2. ISSN 2319-1112 Nov 10, 2012
8. **Bindu R, Mini N** "Tuning of PID Controller for DC Servo Motor using Genetic Algorithm," *International Journal of ETAE, March 20, 2012, ISSN 2250-2459.*
9. Basha, A. M., P. Janardhanan, and **R. Bindu**. "PC-based protective relaying algorithms for transmission lines using digital filters." *Indian Journal of Power and River Valley Development* 44 (1994): 387-387.
10. AM Basha, P Janardhanan, **R Bindu**, "PC-based protective relaying algorithms for generator using digital filters," *International Journal of Electrical Engineering Education*, Manchester U P, Great Britain, Volume: 31 issue: 1, page(s): 46-53, Issue published: January 1, 1994, <https://doi.org/10.1177%2F002072099403100105>

List of Papers Published in National and International Conferences (Bindu R)

1. Ann Rachel Mathew, **Bindu R, Sushil Thale**, Paper titled " Design of a Power Electronic Drive for a Small Utility Electric Vehicle" 2020 IEEE India Council International Sub-Sections' Conference (INDISCON 2020) 03– 04 October 2020, Visakhapatnam (DOI: [10.1109/INDISCON50162.2020.00027](https://doi.org/10.1109/INDISCON50162.2020.00027))
2. Salil Patwardhan, **Bindu R, Sushil Thale**, Paper titled "Modeling and Performance Analysis of Battery," Electric Vehicle 2nd International Conference on Power and Embedded Drive Control (ICPEDC-2019), August 21-23, 2019, Chennai, INDIA (DOI: [10.1109/ICPEDC47771.2019.9036646](https://doi.org/10.1109/ICPEDC47771.2019.9036646)).
3. Sujata Patil, **Bindu R, Sushil Thale**, Paper titled "Electric Vehicle Power Conditioner with Battery-Ultracapacitor Hybrid Energy Storage System" has been accepted for presentation in IEEE INDICON 2018 to be held at Amrita Vishwa Vidyapeetham, Coimbatore, India from 16-18 December 2018 in the TRACK: Power Electronics and Drives (DOI: [10.1109/INDICON45594.2018.8987191](https://doi.org/10.1109/INDICON45594.2018.8987191)).
4. **Bindu R, Sujata Patil, Sushil Thale**, "Design and Control of Power Conversion System for Electric Vehicle Application," 2017 IEEE International (biennial) Conference on "Technological Advancements in Power & Energy– TAP Energy 2017",

organized by the Department of Electrical & Electronics Engineering, Amrita Vishwa Vidyapeetham University, 21st to 23rd December 2017 (DOI: [10.1109/TAPENERGY.2017.8397264](https://doi.org/10.1109/TAPENERGY.2017.8397264)).

5. **Bindu R, Sushil Thale**, “Sizing of Hybrid Energy Storage System and Propulsion Unit for Electric Vehicle,” International Transportation Electrification Conference India (ITEC India 2017), Pune, Dec 13-15 by ARAI, SAE India, IEEE (DOI: [10.1109/ITEC-India.2017.8333846](https://doi.org/10.1109/ITEC-India.2017.8333846))
6. Nereus Fernandes, **R Bindu**, “Maximum power point tracking of wind turbine using switched reluctance generator,” International Conference on Nascent Technologies in Engineering (ICNTE), IEEE Xplore, 2017 (DOI: [10.1109/ICNTE.2017.7947907](https://doi.org/10.1109/ICNTE.2017.7947907))
7. Shabin, **Bindu R**, “Induction Motor based Drive for Hybrid Electric Vehicle Application”, International Conference on Electrical and Electronics Engineering (ICEEE), WRFER, Pune, India, May 2017.
8. Nereus Fernandes, **Bindu R, Sincy George**, “Control of switched reluctance generator in wind energy system,” International Conference on Green Engineering and Technologies (IC-GET), IEEE Xplore, Nov 2016 (DOI: [10.1109/GET.2016.7916835](https://doi.org/10.1109/GET.2016.7916835))
9. Rahul D Patil, **Bindu R**, “Modelling and Control of Switched Reluctance Motor for Hybrid Electric Vehicle”, International Conference on Recent Trends and Innovations in Engineering and Technology,” May 1, 2, PACE, A.P; Published in International Journal of Advance Electrical and Electronics Engineering (IAEEEE), ISSN (Print): 2278-8948, Volume-4 Issue-2, 2015.
10. Omkar V Pawar, **Bindu R, Rohit Chandan**, “Direct Torque Control of Induction Motor using Four Switch Three Phase Inverter” International Conference on Recent Trends and Innovations in Engineering and Technology,” May 1, 2, PACE, A.P: Published in International Journal of Advance Electrical and Electronics Engineering (IAEEEE), ISSN (Print): 2278-8948, Volume-4 Issue-2, 2015.
11. Shraddha Hule, **Bindu R, Deepa Vincent**, “Sensorless Vector Control of Three Phase Induction Motor” International Conference on Advances in Communication and Computing Technologies (ICACACT 2014), 978-1-4799-7319-4/14/\$31.00 ©2014 IEEE, 10,11 August 2014 (DOI: [10.1109/EIC.2015.7230749](https://doi.org/10.1109/EIC.2015.7230749))
12. Mahesh Kumbhar, **Bindu R, Abhilash Walavalkar**, “Magnetostatic Analysis and Power Optimization of Electric Release Brake,” International Conference on Magnetics, Machines & Drives (AICERA-2014 iCMMD); 978-1-4799-5202-1/14/\$31.00 ©2014 IEEE, 24th, 25th, 26th July 2014 (DOI: [10.1109/AICERA.2014.6908234](https://doi.org/10.1109/AICERA.2014.6908234))
13. Amol Shivnath Karpe, **Bindu R** “Design and Analysis of Space Vector Modulated Cascaded H-Bridge Multilevel Inverter for large IM Drives”, 3rd International Conference on Global Technology Initiatives, Rizvi College of Engg., Bandra, March 29th, 30th 2014
14. Ramchandra Bhosale, **Bindu R** “Indirect Vector Control of Induction motor using Fuzzy Logic Controller,” ‘International Conference on Advances in Engineering and Technology, ICAET-2014, Jan 8,9th 2014
15. **Ruchi Harchandani, Bindu R** “Automation of Kiln Motor Drive in cement Industry using PLC and SCADA”, ‘International Journal of Engineering Research & Technology (IJERT)ISSN: 2278-0181, Jan 2014
16. **Harshada C Bhosale, Bindu R**, “Review of DTC Scheme with Component Minimized VSI emulating the Operation of Six Switch Three Phase Inverter,” National Conference on Technologies for Developing Nations at L.T.C.O.E, Koparkhairane, Oct 12th 2013
17. Mahesh Kumbhar, **Bindu R**, “Importance of Power Electronic Converters in Electric and Hybrid Electric Vehicles,” National Conference on Technologies for Developing Nations at L.T.C.O.E, Koparkhairane, Oct 12th 2013
18. Shraddha Hule, **Bindu R, Ramchandra Bhosale**, “Review of Converter Topologies for Switched Reluctance Motor Drives,” National Conference on Technologies for Developing Nations at L.T.C.O.E, Koparkhairane, Oct 12th 2013
19. Juber Shaikh, **Bindu R** “Flux optimization for Indirect Vector Control of Induction Motor,” ‘Published in International Journal of Global Technology Initiatives. ISSN (Print); 2277-6591. ISSN (Online): 2320-1207. 2nd International Conference on Global Technology Initiatives, Rizvi College of Engg., Bandra, March 2013.
20. **Ruchi Harchandani, Bindu R** “Automation of Raw mill Drive in Cement Industry using PLC and SCADA”, ‘National International Conference, RACEM 2013, Vidyalkar Institute of Technology, Mumbai Jan 11, 2013
21. **Ruchi Harchandani, Bindu R** “Efficient Speed Control of motors using variable frequency drive in cement industry”, ‘National level conference, OPTTEST-12, Bannari Aman Institute of Technology’, April 20, 2012
22. Deepa Vincent, **Bindu R** “Design of Induction Motor in Windows Platform ” National Conference, NCNTE 2012, Feb 25, 2012
23. **Divya M. Bindu R** “Research on distribution network reconfiguration” National Conference, NCNTE 2012, Feb 24, 2012

24. **Bindu R, Poornima Rao, Harshada Bhosale**, Vipin Sawant “Protection of IM using PLC” *NEEC 2011*, Delhi Technical University, Dec 17,2011
25. **Bindu R** and Deepa Vincent “Application of Fuzzy logic in Speed Control of Induction Motor- A case study” *NCAPS 11*,K.K. Wagh Institute of Technology, Nashik ,Dec 03,2011
26. **Bindu R** and **Divya M** “Reactive Power Compensation and Harmonic mitigation in Distribution System,”*Published in Zenith 2011*,Nov 21,2011, by Agnel Polytechnic, pp. 302-310.
27. **Bindu R**, and **Ruchi Harchandani**“Automation of Motors in Cement Industry using PLC,” *Zenith 2011* by Agnel Polytechnic,Nov 21, 2011
28. **Bindu R ,Poornima Rao**, Vipin Sawant “Closed loop control of slip ring IM using PLC,” *NCAPS 09*,K.K Wagh Institute of Technology, Nashik,2009
29. **Bindu R, Poornima Rao**, Vipin Sawant “PLC based control of pole changing Induction Motor,” *NCIEES 09*,PSG college of Technology.Coimbatore,August 2009.
30. **Bindu R, Poornima Rao, Preetha.P.K**, VipinSawant “PLC based master controller for slip ring Induction Motor,” *NCAM 2007*,Fr.CRCE, Bandra,Oct 2007



