

## Agnel Charities

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

### Paper/Journal Publications

Calendar Year 1994-2024

#### 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. One paper accepted in 2nd IEEE International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Applications (ICAIQSA 2024)
2. S. Kaduskar, **Bindu R et al.**, "'Revolutionizing Aviation and EV Industries: Advancements in Axial Flux Motors for Electric Propulsion Systems with ANSYS Electronics'," 2024 IEEE 9th International Conference for Convergence in Technology (I2CT), Pune, India, 2024, pp. 1-6, DOI: [10.1109/I2CT61223.2024.10543862](https://doi.org/10.1109/I2CT61223.2024.10543862)
3. S. Kaduskar, A. Panda, P. Parab, M. Rajput and **Bindu R**, "'Performance Analysis of Outer Rotor Induction Hub Motors for Electric Vehicles: An ANSYS-based Study'," 2024 3rd International conference on Power Electronics and IoT Applications in Renewable Energy and its Control (PARC), Mathura, India, 2024, pp. 214-220, DOI: [10.1109/PARC59193.2024.10486345](https://doi.org/10.1109/PARC59193.2024.10486345)
4. S. Malpure, S. Bhivane, S. Nair and **Bindu R**, "Design and Development of Toroidal Core Winding Machine with Digital Interface," 2022 International Conference on Futuristic Technologies (INCOFT), Belgaum, India, 2022, pp. 1-8, DOI: [10.1109/INCOFT55651.2022.10094478](https://doi.org/10.1109/INCOFT55651.2022.10094478)
5. 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))

6. 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)).
7. 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)).
8. **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)).
9. **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))
10. 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))
11. 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.
12. 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))
13. 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 (IJAEET), ISSN (Print): 2278-8948, Volume-4 Issue-2, 2015.
14. 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 (IJAEET), ISSN (Print): 2278-8948, Volume-4 Issue-2, 2015.
15. 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))
16. 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, 24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup> July 2014 (DOI: [10.1109/AICERA.2014.6908234](https://doi.org/10.1109/AICERA.2014.6908234))
17. Amol Shivnath Karpe, **Bindu R** "Design and Analysis of Space Vector Modulated Cascaded H-Bridge Multilevel Inverter for large IM Drives", 3<sup>rd</sup> International Conference on Global Technology Initiatives, Rizvi College of Engg., Bandra, March 29<sup>th</sup>, 30<sup>th</sup> 2014
18. 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, 9<sup>th</sup> 2014
19. **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
20. **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 12<sup>th</sup> 2013
21. 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 12<sup>th</sup> 2013

22. ShraddhaHule, **Bindu R**, RamchandraBhosale, “Review of Converter Topologies for Switched Reluctance Motor Drives,” National Conference on Technologies for Developing Nations at L.T.C.O.E, Koparkhairane, Oct 12<sup>th</sup> 2013
23. 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. 2<sup>nd</sup> International Conference on Global Technology Initiatives, Rizvi College of Engg., Bandra, March 2013.
24. **Ruchi Harchandani, Bindu R** “Automation of Raw mill Drive in Cement Industry using PLC and SCADA”, ‘National International Conference, RACEM 2013, Vidyalankar Institute of Technology, Mumbai Jan 11,2013
25. **Ruchi Harchandani, Bindu R** “Efficient Speed Control of motors using variable frequency drive in cement industry”, ‘National level conference,OPTEST-12, BannariAman Institute ofTechnology’, April 20,2012
26. Deepa Vincent, **Bindu R** “Design of Induction Motor in Windows Platform ”National Conference,NCNTE 2012, Feb 25,2012
27. **Divya M, Bindu R** “Research on distribution network reconfiguration” National Conference,NCNTE 2012, Feb 24,2012
28. **Bindu R, Poornima Rao, Harshada Bhosale**, Vipin Sawant “Protection of IM using PLC” NEEC 2011, Delhi Technical University, Dec 17,2011
29. **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
30. **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.
31. **Bindu R**, and **Ruchi Harchandani**“Automation of Motors in Cement Industry using PLC,” Zenith 2011 by Agnel Polytechnic,Nov 21, 2011
32. **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
33. **Bindu R, Poornima Rao**, Vipin Sawant “PLC based control of pole changing Induction Motor,” NCIEES 09,PSG college of Technology.Coimbatore,August 2009.
34. **Bindu R, Poornima Rao, Preetha.P.K**, VipinSawant “PLC based master controller for slip ring Induction Motor,” NCAM 2007,Fr.CRCE, Bandra,Oct 2007