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Dr Adebisi’s research focuses on engineering design, analysis and supervision with special attention on power systems and electrical machines engineering. Findings from his research are published in reputable journals and conference proceedings. He has published a number of articles both locally and internationally on power systems and other electrical engineering related subjects. His current research interests include power system transient stability analysis and enhancement, power system security assessment and enhancement, electrical load demand forecasting using artificial intelligence, harmonics analysis and mitigation, investigation into factors affecting earthing system among others. Dr Adebisi is currently the Postgraduate Coordinator and Chairman of the Publication Committee of the Department of Electrical and Electronics Engineering, College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria. He can be contacted at:

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Some of the awards received by Dr. Adebisi include:

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2. Junior Research Fellowship Award, Federal University of Agriculture, Abeokuta, 2011.
3. Senate Annual Prize for First Class Honours Graduating Students, Federal University of Agriculture, Abeokuta, 2010.

Some of the researches conducted by Dr. Adebisi include:

1. Modelling of an Information Exchange Platform for the Nigerian Deregulated Electricity Industry.
2. Modelling and Analysis of Cardiac Electrical Activity.
3. Power system transient stability analysis and enhancement.
4. Power system performance improvement using FACTS.
5. Electrical load forecasting using artificial intelligence.
6. Power system security assessment and enhancement.
7. Power quality improvement using harmonic filters.
8. Investigation into factors affecting earthing system.
9. Development of a microcontroller based automobile speed limiting device and alarm control system.
10. Development of a web-based single-phase load monitoring and auditing system.

Some of the conferences attended by Dr. Adebisi include:

1. Third International Conference of College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria, 2021.
2. 2019 IEEE PES/IAS Power Africa Conference, International Training Institute, Abuja, Nigeria,
3. Second International Conference of College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria, 2018.
4. First International Conference of College of Engineering, Federal University of Agriculture, Abeokuta, Nigeria, 2016.
5. Fourth International Conference on Engineering Research and Development (ICERD2012), University of Benin, Nigeria, 2012.

Some of the publications of Dr. Adebisi include:

1. Adebisi O.I., Adedokun, J.L., Olaogun, P.O. and Ogunbowale, P.E. (2023): Analysis of Flexible Alternating Current Transmission Systems Devices for Voltage Stability and Power Flow Control: SVC and STATCOM as a Case Study. International Journal of Basic Science and Technology, 9(2): 71 – 84.
2. Adebisi, O.I., Adejumobi, I.A., Matthew, S. and Thompson, O.O. (2023): Development of a 12-V Hybrid Powered Rechargeable Lighting System with Intruder Detection and Mobile Phone Charging Units. International Journal on Advanced Science, Engineering and Information Technology, 13(1): 186 – 193.
3. Adebisi, O.I., Adejumobi, I.A. and Akinwale, A.T. (2020): Development of a Web-based Information Exchange Platform for Enhanced Distribution Utility-Consumer Communication in the Nigerian Deregulated Electricity Market. Premier Journal of Engineering and Applied Science, 1(2): 34 – 49.
4. Adebisi, O.I., Adejumobi, I.A., Ogunbowale, P.E. and Ade-Ikuesan, O.O. (2018): Performance Improvement of Power System Networks Using Flexible Alternating Current Transmission Systems Devices: The Nigerian 330 kV Electricity Grid as a Case Study. LAUTECH Journal of Engineering and Technology, 12(2): 46 - 55.
5. Adebisi, O.I., Adejumobi, I.A., Olanipekun, A.J. and Bello, O.H. (2018): Development of a Fuel Level Measuring System for Underground Liquid Tanks. FULafia Journal of Science and Technology, 4: 94 – 101.
6. Adebisi, O.I., Adejumobi, A.I., Okoye, F.E. and Jokojeje, R.A. (2018): Least Square Regression Method for Load Management in Electricity Distribution Network of 33 kV Feeder at Federal University of Agriculture, Abeokuta. FULafia Journal of Science and Technology, 4: 87 – 93.
7. Adebisi, O.I., Adejumobi, I.A., Jokojeje, R.A. and Adekoya, O.D. (2017): Assessing the Performance of Harmonic Filters for Power Quality Improvement on Industrial Load: 7-Up Industry Plc Power Network as a Case Study. ABUAD Journal of Engineering Research and Development, 1(1): 32 – 48.
8. Adebisi O.I. and Adejumobi I.A. (2019): Development of a Load Management Scheme for the Nigerian Deregulated Electricity Market Using Regression Model. Proceedings of 2019 IEEE PES/IAS Power Africa Conference, International Training Institute, Abuja, Nigeria, Y.S. Tunde and Chowdhury, D. (Eds). pp 682 – 687.
9. Adebisi O.I. and Adejumobi I.A. (2019): Development of a Web Service Based Information Exchange Platform for the Nigerian Deregulated Electricity Market. Proceedings of 2019 IEEE PES/IAS Power Africa Conference, International Training Institute, Abuja, Nigeria, Y.S. Tunde and Chowdhury, D. (Eds). pp 171 – 181.