

List of Publications

1. P.A. Idowu, E.R. Adagunodo and A. O. Alu (2002): Computer In Education: E Learning Ife Journal of Behaviour Research, 4 (1): pp 33-41.
2. P.A. Idowu, A. Alu and E.R. Adagunodo (2002): The Effect of Information Technology on the Growth of Banking Industry in Nigeria. The Electronic Journal of Information Systems in Developing Countries, 10(2): pp 1- 8.
3. P.A. Idowu, E. O. Ogunbodede and B. Idowu (2003): Information Communication & Technology In Nigeria: The Health Sector Experience Journal of Information Technology Impact, 3 (2): pp 69-76.
4. P. A. Idowu, A. O. Alu, and B. I. Popoola (2003): Nigerian Women in Information Technology and Computer Science Education. Journal of Educational Research on Africa 3 (3) pp 24-32
5. P.A. Idowu, E.R. Adagunodo and E.O. Ogunbodede (2003): Distributed Resource Sharing System for Hospitals in Nigeria. Journal of Biomedical Soft Computing and Human Sciences, 9, (2): pp 1-7
6. P. A. Idowu, E.R. Adagunodo, G.A. Aderounmu and E.O. Ogunbodede (2004): Electronic Referral System for State Hospitals in Nigeria. Ife Journal of Science, 6 (2): pp 161-166.
7. P. A. Idowu, E. R. Adagunodo, and A. O. Idowu(2004): Gender Differences in Computer Literacy among Nigerian Undergraduate Students. Journal of Educational Research Network 4(3); pp 47-53.
8. P.A. Idowu, A. O. Idowu and E. R. Adagunodo (2004): A Comparative Study of Information and Communication Technology at Higher Educational Institution in Africa: Case Studies from Nigeria and Mozambique. Journal of Information Technology Impact, 4 (2): pp 67-74.
9. P. A. Idowu, R.A. Adedoyin and E. R. Adagunodo (2005): Computer-Related Repetitive Strain Injury among Its Users. Nigerian Journal of Physiotherapy, 15(1): pp 13-18.
10. R. A. Adedoyin, B. O. Idowu, R. A. Adagunodo and P. A. Idowu (2005): Musculoskeletal Pain Associated with the Use of Computer Systems in Nigeria. *International Journal of Health Care Engineering*, 13(2): pp 125-130.
11. O. Idowu, P. A. Idowu and E. R. Adagunodo(2005): Empirical Study On Information & Communication Technology and Youth in a Developing Country: Nigeria as a Case. *International Journal of Information Technology & Decision Making*, 4(2): pp 297-309.
12. P.A Idowu, E. R. Adagunodo, and R.A Adedoyin (2006): Information Technology Infusion Model for Health Sector in a Developing Country: Nigeria as a case, *Technology and Health Care*, 14 (2): pp 69-77.
13. P. A. Idowu, E. R. Adagunodo and S. Olateju (2006): "Radiological Information System for Primary Health Centres in Nigeria". *The Journal of Computer Science and It's Application*, 12 (1): pp 80-90.
14. P.A Idowu, E. A Olajubu, G.A Aderounmu, and E. R Adagunodo (2007): Wireless Data Processing Model in Hospital Environment: A Case Study of Obafemi Awolowo University Teaching Hospital, *Biomedical fuzzy and human sciences*, 12 (1): pp 23-27.
15. P.A. Idowu, and S.A. Ajayi (2008): GSM Based Referral System for Primary Health Care Centres in Nigeria, *International Journal of Soft Computing*, 3 (6): pp 421-427.
16. P. Idowu, D. Cornford, and L. Bastin (2008): Health Informatics Deployment in Nigeria, *Journal of Health Informatics in Developing Countries*, 2 (1): pp 18-26.
17. P.A. Idowu, N. Okonrokwo, and E.R Adagunodo (2009): Spatial Predictive Model for Malaria in Nigeria, *Journal of Health Informatics in Developing Countries*, 3 (3): pp 9-17.

18. **P.A. Idowu** and E. R Adagunodo (2010): A Survey of Health Data Models in Sub-Saharan Africa, *Journal of Health Informatics in Developing Countries*, 4 (2): pp 11-19.
19. **P. A. Idowu**, B. I. Akhigbe and K.O. Adekunle (2010). A Predictive Model for Network Failure using Artificial Neural Network: OAUNet as a case. *International Journal of Computer Science*, 2(1): pp 85-94.
20. **P. A. Idowu** (2011). A GIS Data Model for Disease Surveillance and Monitoring, Nigeria as a Case Study. ISBN 978-3-8465-3941-5 LAP LAMBERT Academic Publishing GmbH & Co KG.
21. P.A. Idowu.(2012) A Spatial Data Model for HIV/AIDS Surveillance and Monitoring in Nigeria. *International Journal of E-Health and Medical Communications*. 3(2): pp 66-84 .
22. P. A. Idowu, E. R. Adagunodo, and O.A. Esimai (2012). Development of a Web based Environmental Health Tracking System for Nigeria. *International Journal of Information Technology and Computer Science* (4)7: pp 61-71.
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24. P. A. Idowu, C. Osakwe, R. A. Kayode and E. R. Adagunodo (2012). Prediction of Stock Market in Nigeria using Artificial Neural Network, *International Journal of Intelligent Systems and Applications* (4)11, pp 68-74.
25. P. A. Idowu, B. I. Akhigbe, O.O. Adeosun, A. A. Kayode, A. F. Osungbade (2013). Data Mining Techniques for Predicting Immunize-able Diseases: Nigeria as a Case Study, *International Journal of Applied Information Systems* 5(7), 5-15.
26. P. A. Idowu, B. I. Akhigbe, O. O. Adeosun, A. A.Kayode, and T.B. Apanisile (2013). A Distributive Information System For Health Care Facilities In Nigeria: A Web-Based Spatial Approach. *International Journal of Applied Information Systems* 5(10), 1-8.
27. P. A. Idowu, B. I. Akhigbe, and V. Y. Odunaiya (2013): Development of a Web-Based Spatial Crime Surveillance Information System, *Ife Journal of Technology* 22(1), 46-54.
28. P. A. Idowu (2013). Geographical Information System: Solution to Nigeria's Public Health Challenges. *Health, Violence, Environment and Human Development in Developing Countries*. Nova Science Publisher, INC, New York (Book Chapter). ISBN 978-1-62948-038-1 Chapter 3.
29. P. A. Idowu, B. I. Akhigbe, K.O.Williams, and O.Adeosun (2014). Web-Based Spatial Immunize-able Disease Surveillance System for Nigeria. *International Journal of Research in Business and Technology* 4(3), 524-530
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31. P. A. Idowu, T. A. Aladekomo, K.O.Williams, and J. A. Balogun (2015). Prediction Model for Likelihood of Survival of Sickle-Cell Anaemia (SCA) among Paediatric Patients using Fuzzy Logic, *Transactions on Networks and Communications*, 3(1); 31-44
32. P. A. Idowu, K. O. Williams, J. A. Balogun and A. I. Oluwaranti (2015). Breast Cancer Risk Prediction Using Data Mining Classification Techniques. *Transactions on Networks and Communications*, 3(2); 1-11
33. P.A. Idowu, Bunmi Alonge and Olusegun Ajibola Sarunmi(2015). Online Spatial Cancer Registry System for Nigeria. *Journal of Biomedical Engineering and Medical Imaging*. 2(5); 10-20
34. Adebayo Peter Idowu (2015). A Spatial Data Model for Environmental Health Surveillance System in Nigeria. *Journal of Research in Science, Technology, Engineering and Management*, 1(1); 7-15 India
35. P. A. Idowu, Kehinde Williams and Emmanuel Olonade (2015): Online Road Traffic Accident Monitoring System for Nigeria. *Transactions on Networks and Communications* 3(1), 10-21
36. Peter Adebayo Idowu (2015). Information and Communication Technology: A Tool for Health Care Delivery in Nigeria. "Computing in Research and Development in Africa: Benefits, Trends, Challenges and Solutions. Abdoulaye Gamatie Springer International (Ed.) ISDN 978-3-319-08238-7
37. Peter Adebayo Idowu, Sarumi Olusegun Ajibola, Jeremiah Ademola Balogun and Oluwadare Ogunlade (2015). Development of a Fuzzy Logic Based Model for Monitoring Cardiovascular Disease Risk. *Journal of Health Information Systems and Informatics*.10(4); 38-55

38. Adebayo Peter Idowu, Bolanle Latifat Abimbola, and Olumuyiwa Bamidele Alaba(2015). Data Model for Road Traffic Accident in Nigeria. *African Journal of Computing & ICTs* 8(2): 67-76
39. Peter Adebayo Idowu(2016). Online Spatial HIV/AIDS Surveillance and Monitoring System for Nigeria. "Improving Health Management through Clinical Decision Support Systems". Edited by Jane D. Moon and Mary P. Galea, IGI, ISBN13: 9781466694323, DOI: 10.4018/978-1-4666-9432-3 Chapter 2
40. Idowu Peter Adebayo, Agbelusi Olutola, and Alademoko T. A. (2016). The Prediction of Paediatric HIV/AIDS Patient Survival: A Data Mining Approach, *Asian Journal of Computer and Information Systems* 4(3); 87-94 ISSN: 2321 – 5658
41. Peter Adebayo Idowu, Sarunmi Olusegun Ajibola, and Jeremiah Ademola Balogun (2016). Development of a web based Cardiovascular Disease Risk Monitoring System, *Ife Journal of Information Communication Technology* 1(1), 04-16
42. Jeremiah Ademola Balogun, Peter Adebayo Idowu, and Olusola Thomas Babawale (2016). A Predictive Model for the Risk of Infertility in Women using Supervised Learning Algorithms – A Comparative Analysis, *Ife Journal of Information Communication Technology* 1(1), 24-33
43. Peter Adebayo Idowu, Jeremiah A. Balogun and Olumuyiwa B. Alaba (2017). Data Mining Approach For Predicting the Likelihood of Infertility in Nigerian Women . *Handbook of Research on Healthcare Administration and Management* Chapter 6. Nilmini Wickramasinghe IGI publisher DOI: 10.4018/978-1-5225-0920-2.ch006 30.
44. Peter Adebayo Idowu (2017). Predictive Model for the Classification of Hypertension Risk Using Decision Trees Algorithm. *American Journal of Mathematical and Computer Modelling*. 2(2) :48-59. doi: 10.11648/j.ajmcm.20170202.12
45. Peter Adebayo Idowu, Franklin Oladiipo Asahiah, and Jeremiah Ademola Balogun (2017) An online Neonatal Intensive-Care Unit Monitoring System for Hospitals in Nigeria, *International Journal of Biomedical and Clinical Engineering* (Accepted for Publication)
46. Peter Adebayo Idowu, Theophilus Adesola Aladekomo, Olutola Agbelusi, Olumuyiwa Bamidele Alaba and Jeremiah Ademola Balogun (2017). Survival model for pediatric HIV/AIDS patient using C4.5 decision tree algorithm. *International Journal of Child Health and Human Development* ;10(2):00-00. (Accepted for Publication)

Major Conferences and Workshop attended with Paper

1. B. Idowu, E. R. Adagunodo and P.A. Idowu (2005): "Information Technology in a Developing Country: The Nigerian University Experience". In the Proceedings of the eight International Working Conference of IFIP WG 9.4. NICON Hilton Hotel Abuja; 473-480.
2. P.A. Idowu, Dan Cornford & Lucy Bastin (2009): "A Conceptual Data Model for Disease Surveillance, Monitoring and Prediction in Nigeria". In the Proceeding of Second International Conference on Health Informatics. Hotel Gaia Melia Porto, Porto, Portugal; 473-480.
3. P. A. Idowu, and E. R. Adagunodo (2010). A Spatial Conceptual Public Health Data Model for Nigeria. In Proceedings of the Fifth International Conference on Application of Information and Communication Technology for Training, Research and Administration (AICTTRA), Jos; 11-23.
4. B. I. Akhigbe, P.A. Idowu, P. E. Ugege, and E.R. Adagunodo (2010). Comparative Study of Usage of Information and Communication Technology in Developed and Developing Nations' Universities (United Kingdom and Nigeria as a case). In Proceedings of the Fifth International Conference on Application of Information and Communication Technology for Training, Research and Administration (AICTTRA), Jos; 65-72.
5. Agbelusi, T.A. Aladekomo and P.A. Idowu (2015). Prediction of Pediatric