



ADEKOYA OLASOJI IDOWU

CHIEF LECTURER | PHYSICS | RADIATION AND HEALTH PHYSICS

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CAREER PROFILE

Research-oriented academic with experience in Physics, Radiation and Health Physics, environmental radiation assessment, air-quality/noise studies, materials-related research, and photovoltaic system monitoring. Currently a Chief Lecturer in the Physical Science Department of Yaba College of Technology, with experience in academic research and administration, quality assurance, examination coordination and student project supervision.

CAREER OBJECTIVE

To effectively and efficiently harness acquired skills and experiences in research-oriented tasks, with a view to achieving result-oriented outputs and outcomes.

PERSONAL INFORMATION

Date of Birth	5 August
Sex	Male
Marital Status	Married
Local Government Area	Ijebu Ode
State of Origin	Ogun State
Nationality	Nigerian
Institutional Contact	Department of Physical Science, Yaba College of Technology, Yaba, Lagos

EDUCATION

2018 Ph.D., Radiation and Health Physics

University of Ibadan, Oyo State, Nigeria

2004 M.Sc., Physics

University of Ibadan, Oyo State, Nigeria

1999 B.Sc., Applied Physics (Electronics)

University of Lagos, Akoka, Lagos State, Nigeria

1992 Senior Secondary Certificate (SSCE)

Government College Victoria Island, Lagos State, Nigeria

PROFESSIONAL MEMBERSHIPS

- Charter Member, Association of Cybersecurity Practitioners - 2025
- Member, Nigerian Society of Radiation Protection - 2021
- Member, Nigerian Institute of Physics - 2017
- Member, Society for Environmental Toxicology and Pollution Mitigation (SETPOM) - 2013

PROFESSIONAL SKILLS & CERTIFICATION

- International Computer Driving License (ICDL) Certification in cyber security, online collaboration, presentation, project planning and database.

ACADEMIC & PROFESSIONAL EXPERIENCE

YABA COLLEGE OF TECHNOLOGY — Physical Science Department

May 2005 – Present

Chief Lecturer

- Dean, School of Science, Yaba College of Technology
- Former Head of Department, Physical Science
- Former Coordinator, Internal Quality Assurance
- Member, College Peer Review Committee
- Member, Departmental Practical's Review Committee
- Former Course Adviser, SLT ND 3 (Part-Time) students
- Former Course Adviser, HND I students
- Former Project Coordinator for the Department
- Former Member, School of Science Examination Committee
- Former Departmental Academic Secretary
- Former Departmental Part-Time Coordinator

RESEARCH INTERESTS

- Radiation Dosimetry and Protection
- Semiconductor Physics and Perovskite materials for optoelectronic applications

PUBLICATIONS

- 2026:** Post- Commissioning Radiological Assessment of Soil and Water around Dangote Refinery, Lagos, Nigeria. Phys. Sci. Int. J., 3(5) 122-134
- 2026.** Baseline Radiological Assessment of Soil and Water around Dangote Refinery, prior to Commercial Production in Lagos, Nigeria. FULafia Journal of Science and Technology 10 (2), 209-215.
- 2026.** A Short-Term Performance Monitoring and Evaluation of a Photovoltaic System at Yaba College of Technology using a Data Logger. FULafia Journal of Science and Technology 10 (1), 60-67.
- 2025.** Unveiling the Influence of Annealing Temperature on Properties of CZTSSe Nanocrystals. Advanced Physics Research 4 (11), e00016.
- 2025.** An optimal method for preparing perovskite crystals and thin films for smart optoelectronic devices and applications. Discover Materials 5 (1), 37.

- 2024.** Noise Levels Measurements at Ladipo and Yaba Markets in Lagos and the Adverse Effects on Humans. SSRN 4858065.
- 2022.** Physico-Chemical Properties, Heavy Metal Content and Radioactivity Levels in Soil around a Cement Production Facility in Ogun State, Nigeria. *Jordanian Journal of Physics* 15 (5).
- 2022.** PM2.5 Variations and Air Quality Assessments in Three Locations. *International Journal of Science and Society, Yabatech* 8 (1), 112-120.
- 2022.** Hybrid Perovskite Thin Films. In: *Recent Advances in Perovskite Materials*. IntechOpen. ISBN: 978-1-80355-319-1.
- 2022.** Optimal Conditions for Preparation of Perovskite Materials for Optoelectronic Devices. *Recent Advances in Multifunctional Perovskite Materials*.
- 2021.** Ionizing Radiation Measurements at the Redeemer's Health Centre, Redemption Camp, Ogun State. *Applied Research Conference in Africa*, 724-730.
- 2021.** Attenuation Properties of Fired Brick and Concrete formed from Two Popular Brands of Cement in Nigeria. *Afr J Med Phy, Biomed Eng & Sc*, 67-71.
- 2021.** Ionising Radiation Measurements from Active Waste Dumpsites in Lagos. *International Journal of Science and Society, Yabatech* 7 (2), 15-19.
- 2021.** Measurement of Indoor Ionising Radiation Levels within the X-ray Buildings of Four General Hospitals in Lagos State. *International Journal of Science and Society, Yabatech* 7 (2), 7-14.
- 2020.** Evaluation of Radiation Ingestion Doses in Selected Food Crops around a Steel Processing Facility in Udu L.G.A., Delta State. *Nigerian Journal of Science* 54 (1), 35-45.
- 2020.** Gamma Radioactivity Measurement in Commercially-Available Drinkable Water in Lagos, South Western Nigeria. *Afr J Med Phy, Biomed Eng & Sc*, 7, 73-78.
- 2019.** Evaluation of K-40, U-238 and Th-232 in Selected Cosmetics Using Gamma Ray Spectroscopy. *Afr J Med Phy, Biomed Eng & Sc*, 6, 54-59.
- 2015.** Gross alpha and beta Radioactivity in Surface Soil and Drinkable Water around a Steel Processing Facility. *Journal of Radiation Research and Applied Sciences* 8, 411-417.
- 2014.** Primordial Radionuclides in drinking water from former Tin-Mining areas with elevated activities. *International Journal of Physical Science* 9(22).
- 2012.** Assessment of Radiation Emission from waste dumpsites in Lagos State of Nigeria. *International Journal of Computational Engineering Research* 2 (3), 806-811.

CONFERENCE PAPERS / PRESENTATIONS

- 2026.** Oral Presentation of paper titled: The Digital Trap: Modern Digital Tools and their Influence on Students' Creativity. 1st Annual General Conference of Association of Cybersecurity Practitioners (ACSP) March 24 -27, 2026
- 2022.** Noise Levels Measurements at Ladipo and Yaba Markets in Lagos and the Adverse Effects of Noise on Humans. ASUP Zone C 6th National Conference.
- 2022.** Design and Construction of Voice-Controlled Colour of an Artificial Flower. ASUP Zone C 6th National Conference.
- 2022.** Base Ionizing Radiation Level Measurement at the Redeemed Christian Church of God Waste Management Site, Oloparun Village, Ogun State. RECTEM 2nd International Conference.
- 2021.** Charge Transfer Mechanism and Recombination Process of Hybrid Perovskite Solar Cell. Annual Conference of the South African Institute of Physics (SAIP 2021).
- 2021.** Ionizing Radiation Measurement at the Redeemer's Health Centre, Redemption Camp, Ogun State, Nigeria. Applied Research Conference in Africa (ARCA).

- 2019.** Ionising Radiation Measurements from Active Waste Dumpsites in Lagos State. SETPOM, University of Lagos.
- 2019.** Monitoring of Ionising Radiation Arising from Use of X-Ray Facility in Two General Hospitals in Lagos State. SETPOM, University of Lagos.
- 2019.** Measurement of Indoor Ionising Radiation Levels Within the X-Ray Buildings of Isolo and Igando General Hospitals in Lagos State. SETPOM, University of Lagos.
- 2016.** Estimation of noise levels in Lagos (Nigeria) metropolis major markets. 4th Biennial International Conference and Exhibition on Environmental Issues (ICE14).
- 2015.** Radioactivity in selected food crops around a cement production facility in Ogun State, Nigeria. SETPOM, University of Lagos.
- 2015.** Radioactivity in soil around a cement production facility in Ogun State, Nigeria. SETPOM, University of Lagos.
- 2014.** Estimation of noise levels in tertiary institutions in Lagos State. SETPOM, University of Lagos.
- 2014.** Total energy consumed in some selected schools in Yaba College of Technology. SETPOM, University of Lagos.
- 2013.** Primordial Radionuclides in Drinking Water from Tin Mining Areas with Elevated Activity. SETPOM, University of Lagos.

BOOKS

- 2022.** Basic Electronics for Undergraduates. ISBN: 978-978-790-560-9. Publisher: Something Beautiful Company.
- 2013.** Basic Physics for Professionals. ISBN: 978-978-933-7217. Publisher: Samijo Media Concept.
- 2012.** Fundamental Facts in Basic Technology and Workbook for Upper Basic Education Junior Secondary Schools Book 3 (Basic 9), 3rd Edition. ISBN: 978-978-082-459-6. Publisher: Fulfilment and Fullness Education Services.

CONFERENCES & WORKSHOPS ATTENDED

- 2026:** 1st Annual General Conference of Association of Cybersecurity Practitioners (ACSP) March 24 -27, 2026
- 2025.** Virtual Institute for Capacity Building in Higher Education (VICBHE) – Mastering Digital Survey Tools for Research & Evidence-based Decision Making. November 1 - December 13, 2025.
- 2025.** Virtual Institute for Capacity Building in Higher Education (VICBHE) – Basic Cybersecurity for Higher Education – April 28 – July 11, 2025.
- 2024.** Virtual Institute for Capacity Building in Higher Education (VICBHE) – Writing Grant-Winning Proposal & Fund Raising. August 4 – October 18, 2024.
- 2024.** 7th International Conference and Exhibitions of the School of Science, Yaba College of Technology, October 16-17, 2024.
- 2022.** 6th International Conference and Exhibitions of the School of Science, Yaba College of Technology, October 21-22, 2022.
- 2020.** ICDL Intermediate Training and Certification, Yaba College of Technology, September 21-25, 2020.
- 2019.** SETPOM International Conference, University of Lagos, October 16-17, 2019.
- 2018.** AU-STRC Capacity Building Workshop on Inclusive and Community-Based Innovation (ICBI), Abuja, December 10-12, 2018.
- 2017.** 4th International School of Science Scientific Conference, Yaba College of Technology, December 11-14, 2017.
- 2016.** SETPOM International Conference, University of Lagos, October 19-20, 2016.

- 2016.** Active Learning in Optics and Photonics Workshop, University of Lagos, April 25-29, 2016.
- 2015.** 3rd International School of Science Scientific Conference, Yaba College of Technology, November 11-12, 2015.
- 2015.** SETPOM International Conference, University of Lagos, October 22-23, 2015.
- 2014.** SETPOM International Conference, University of Lagos, December 3-5, 2014.
- 2013.** SETPOM International Conference, University of Lagos, October 21-22, 2013.
- 2013.** 2nd International School of Science Scientific Conference, Yaba College of Technology, June 12-14, 2013.
- 2013.** Pathway to Effective Research Project Supervision – A Business Meeting, College Library, Yaba College of Technology, February 20, 2013.
- 2011.** Enterprise Education for Employability Trainers’ Workshop, Yaba College of Technology, June 1-2, 2011.
- 2011.** Institutional Effectiveness Workshop, Yaba College of Technology, February 18, 2011.

REFEREES

Professor F. O. Ogundare
Department of Physics, University of Ibadan

Professor Ola Kamiyo
Department of Mechanical Engineering, University of Lagos