



CURRICULUM VITAE

A. Personal Data

1. Full Name (Surname first): IWAOTAN Akinwunmi Philips
2. Details of Contact Address: Department of Science Laboratory Technology,
University of Medical Sciences, Odosida
Campus, P.M.B. 536, Ondo, Ondo State,
Nigeria.
 - a. E-mail Addresses: iakinwunmi@unimed.edu.ng;
adkins1190@gmail.com
 - b. Mobile Phone Number: +2348161511818
3. Nationality: Nigeria
4. State of Origin: Ondo State
5. Senatorial District: Ondo South
6. Local Government Area: Irele
7. Permanent Home Address: 8C, Isafirin Street, Newtown Oke-Aro,
Akure, Ondo State
8. Marital Status: Married
9. Number of Children and their Ages: Nil
9. Next of Kin: Peace Hannah Iwaotan-Akinwunmi
10. Details of Contact Address of Next of Kin: 8C, Isafirin Street, Newtown Oke-Aro,
Akure, Ondo State
 - a. E-mail addresses: aiwaotan@unimed.edu.ng;
peacehan92@gmail.com
 - b. Mobile Phone Number: +2348034688294; +2347080780983
11. Date of Assumption of Duty: 1st July, 2024
12. Rank/status on First Appointment: Assistant Lecturer/CONUASS 2 Step 1
13. Date of Last Promotion: Nil
14. Present status: Assistant Lecturer
15. Present Salary, Grade Level and Step: ₦2,553,903 CONUASS 2 Step 1
16. Date of Confirmation of Appointment: Nil
17. Department/Unit: Science Laboratory Technology (Physics with
Electronics Techniques)

B. Higher Educational Institutions Attended with Date

- | | |
|---|-----------|
| • The Federal University of Technology Akure, Ondo State | 2018-2021 |
| • Adekunle Ajasin University, P.M.B. 001 Akungba Akoko
Ondo State | 2003-2010 |
| • FBA Computers School, Shagari Quarters,
Kazaure Jigawa State | 2010 |
| • St. Patrick's College Oka Akoko, Ondo State | 2005 |
| • Omole Grammar School, Isheri Road, Ikeja, Lagos State | 1993-1999 |
| • St. Peter's Anglican Primary School, 164 Obafemi
Awolowo Way, Alausa Ikeja Lagos State | 1987-1992 |

C. Academic/Professional Qualifications and Distinctions Obtained with Dates

- | Qualification | Institution | Distinction (Dates) |
|---|---|---|
| • Ph.D in Physics
(Communication
Physics Option) | The Federal University of
Technology, Akure
Ondo State, Nigeria | In view
2024 till date |
| • M.Tech in Physics
(Communication
Physics Option) | The Federal University of
Technology, Akure
Ondo State, Nigeria | Ph.D Grade
2018- 2021 |
| • B.Sc in Physics
with Electronics | Adekunle Ajasin University
Akungba Akoko
Ondo State, Nigeria | Second Class
Upper Division
2007-2010 |
| • Diploma in Desktop
Publishing &
Information
Technology | FBA Computers School,
Shagari Quarters,
Kazaure Jigawa State | Distinction
2010 |
| • Diploma in Science
Laboratory
Technology | Adekunle Ajasin University
Akungba Akoko
Ondo State, Nigeria | Upper Credit
2003-2006 |

D. Work Experience with Dates

1. Previous Work Experience Outside the University System with Dates

- | | |
|--|-------------|
| • Department of Science Laboratory Technology,
The Federal Polytechnic Ile-Oluji,
CESAC, Akure
Adjacent SUBEB, Along Oda Road, Akure.
Job Position: Physics Lecturer (Part Time)
Job Description: <ul style="list-style-type: none">- Teaching and evaluation of students- Building students' capacity for internal examinations | 2022 – 2024 |
|--|-------------|

- Department of Medical Laboratory Science, 2017 - 2022
 Ondo State School of Health Technology
 P.M.B.791, Akure.
 Job Position: Physics Lecturer (Part Time)
 Job Description:
 - Teaching and evaluation of students
 - Building students' capacity for internal & external examinations.
- Mummy's Place Int'l Schools Ltd 2016-2017
 Plot 4, Alagbaka Oba-Ile Road, Opp. Owena Mass Transit, Akure
 Ondo State.
 Job Position: Physics & Further Mathematics Teacher Job
 Description:
 - Teaching and evaluation of students
 - Building students' capacity for internal & external examinations.
- P Computer Ventures, 2013-2016
 16A, Ala Close Sijuade Quarters Akure, Ondo State. Job
 Position: Instructor
 Job Description:
 - Software installations, multiple PC set-up.
 - Configuration and recovery of files.
 - Troubleshooting basic IT issues and many more.
- Ade-Tola International College, 2012-2013
 5, Opopoola Street, P. O. Box 127 Oshinle, Akure
 Ondo State.
 Job Position: Physics & Further Mathematics Teacher Job
 Description: Teaching and evaluation of students
- Bisam Comprehensive College, 2011-2012
 3, Olusesin Street, Off Ray Power Road,
 Alagbado, Lagos State.
 Job Position: Physics & Further Mathematics Teacher Job
 Description: Teaching and evaluation of students.
- Government Girls' Secondary School, 2010-2011
 Kazaure, Jigawa State.
 Job Position: Physics Teacher
 Job Description: Teaching and evaluation of students
- Federal Airports Authority of Nigeria (FAAN) "SIWES" 2008
 Ibadan, Airport, P.M.B. 574, Oyo State. Job
 Position: Electrical Engineer
 Job Description: Troubleshooting of electrical faults with the use of testing lamp,
 inspecting and repairing of airfield lighting system.

2. Work Experience in University of Medical Sciences, Ondo

Current position: Assistant Lecturer, Department of Sciences Laboratory Technology
Roles/Responsibilities (Department):

- Coordinated B. SLT Undergraduate Seminar presentations
- Course Advisor for 100 Level 2024/25 Academic Session
- Taught students in 200 & 500 levels

3. Courses Taught Within the Current Academic Session (Undergraduate)

Course Code	Course Title	Units	Unit Taught
GLT 213	Instrument Maintenance I	3	$1\frac{1}{2}$
GLT 225	Computer Aided Drawings for SLT Students	3	$1\frac{1}{2}$
GLT 512	Industrial Management	3	$1\frac{1}{2}$
STP 515	Vacuum Physics and Thin Film Technology	2	1
STP 517	Physics Laboratory Techniques and Practical II	3	$1\frac{1}{2}$
STP 519	Introduction To Telecommunication Systems	3	$1\frac{1}{2}$
STP 521	Semiconductor Technology	3	$1\frac{1}{2}$
STP 523	Electronics Device/Design and Fabrication & Improvisation	3	$1\frac{1}{2}$
STP 524	Mathematical Methods in Physics II	3	$1\frac{1}{2}$
STP 526	Physics Laboratory Techniques and Practices III	3	$1\frac{1}{2}$
STP 590	Seminar	2	1

4. Courses Taught Within the Current Academic Session (Conversion)

Course Code	Course Title	Units	Unit Taught
GLT 512	Industrial Management	3	$1\frac{1}{2}$
STP 515	Vacuum Physics and Thin Film Technology	2	1
STP 517	Physics Laboratory Techniques and Practical II	3	$1\frac{1}{2}$
STP 519	Introduction To Telecommunication Systems	3	$1\frac{1}{2}$

STP 521	Semiconductor Technology	3	$1\frac{1}{2}$
STP 523	Electronics Device/Design and Fabrication & Improvisation	3	$1\frac{1}{2}$
STP 526	Physics Laboratory Techniques and Practices III	3	$1\frac{1}{2}$
STP 590	Seminar	3	$1\frac{1}{2}$

5. Current Undergraduate Supervision

- i. Falodi Ayokunle Daniel

6. Current Conversion Student Supervision

- i. Solomon Shina Ayomide

E. Publications

Google scholar: Atlantis press (part of Springer Nature) - Proceedings of the 8th URSI-NG Annual Conference (URSI-NG 2024).
https://doi.org/10.2991/978-94-6463-644-4_14

1. Thesis/Dissertation

- i. B.Sc. Thesis: Day-to-Day Variation of Scintillation Intensity Index.
- ii. Master's Thesis Research: Effects of Temperature on Radio Duct Propagation in Coastal Areas of Nigeria.
- iii. Doctoral Thesis Research: Development of An Intelligence-Based Algorithms for Radio Duct Prediction and Characterization over Nigeria (In progress)

2. Published Journals Articles

- i. Adediji, A.T and **Iwaotan, A.P** (2025) "Effects of Temperature on Radio Duct Propagation in Selected Coastal Areas of Nigeria" Atlantis press (part of Springer Nature): Proceedings of the 8th URSI-NG. Annual Conference (URSI-NG 2024).
https://doi.org/10.2991/978-94-6463-644-4_14

3. Articles Accepted for Publication

- i. Signatures of Temperature on Radio Duct Propagation in Coastal Areas of Nigeria. MAUSAM Publication

4. Edited and Refereed Conference Proceedings

Adediji, A.T and **Iwaotan, A.P** (2025) "Effects of Temperature on Radio Duct Propagation in Selected Coastal Areas of Nigeria" Atlantis press (part of Springer Nature): Proceedings of the 8th URSI-NG. Annual Conference (URSI-NG 2024).
https://doi.org/10.2991/978-94-6463-644-4_14

F. Workshop and Seminars Attended

2nd Faculty of Science Conference,
University of Medical Sciences, Ondo Ondo State
Theme: Bridging Scientific Research and Healthcare "Exploring Emerging Trends"
23rd – 26th September, 2024
Venue: University TETFUND Hall, Laje Campus.

G. Current Research Activities

- i. Trend Analysis of Temperature within the Boundary Layer and Variability for Climatic Change over a Tropical Location in Nigeria
- ii. Development of An Intelligence-Based Algorithms for Radio Duct Prediction And Characterization over Nigeria

H. Current Relevant Information

- i. Services within the Department
Roles/Responsibilities
 - Course Advisor: 100 Level (SLT Department)
 - Seminar Coordinator, SLT Department
- ii. Services outside UNIMED
 - Zonal/Area Coordinator, House Fellowship Centre of The Redeemed Christian Church of God (RCCG), Region 39, Province 6 Akure.
 - Sunday School Teacher, of The Redeemed Christian Church of God (RCCG), Region 39, Province 6 Akure, Rock of Ages Parish Oke –Aro, Akure.
 - Member of Evangelism Department, The Redeemed Christian Church of God (RCCG), Region 39, Province 6 Akure, Rock of Ages Parish Oke –Aro, Akure.

I. Contribution to Knowledge

My research activities are primarily focused on how radio waves move in free space and over Earth's surface, which is vitally important in designing practical radio systems. Understanding various conditions on radio propagation has practical applications ranging from amateur radio communications and international shortwave broadcasting to designing reliable mobile telephone systems, radio navigation, and radar systems. Propagation models are mathematical algorithms that predict real-world effective coverage areas of transmitters and characterize radio wave propagation as functions of frequency, distance, and other conditions

My early works focused on effects of temperature on radio duct propagation in selected coastal areas of Nigeria.

This study will help radio communication experts and engineers to predict areas where anomalous propagation might occur more frequently;

The information in the study is valuable for meteorological studies and understanding regional atmospheric dynamics;

The spatial distribution of modified radio refractivity gradient in the study provides a comprehensive view of how radio wave propagation conditions vary across the study area, highlighting the importance of considering local atmospheric conditions in radio communication planning and meteorological studies.



Signature

Date: 10/07/2025

