

CURRICULUM VITAE

Temidayo Michael, FAPOHUNDA

Doctoral Student, School of Computer, Mathematical and Natural Sciences, SCMNS
Morgan State University, Baltimore, MD 21251

Home Contact: 2462, Golders Green Court, Baltimore, MD,21244
Tel: +14439853738

Email: tefap1@morgan.edu

PERSONAL INFORMATION

Sex: Male (50+ years)

Nationality: Nigerian

State of Origin: Ondo State

EDUCATIONAL BACKGROUND

- **Doctorate of Philosophy (PhD) Bio-Environmental Sciences, Climate Science, (2021 – 2026)**, School of Computer, Mathematical and Natural Sciences, Morgan State University, MD, USA. 21251 **Current GPA:3.625/4**

I am currently a Doctoral student in this program because of its multi-dimensional dynamics, that help to broaden my pursuit in contributing to environmental studies and my vision for a cleaner climate/environment in developed and developing countries.

- **Master of Science Geography and Planning (Cartography option) (2016-2018)**
University of Lagos, Nigeria **GPA: 4.42/5**

I did a research on the analysis and mapping of kidney disease in Ondo State, Lagos, Nigeria. Findings from this research revealed the incidence, trend, mode of presentation and fatality of renal related disease in the study area with recommendations on how the socio-economic activities and the attitudes of the respondents can impact their health status for maximum output and healthy lifestyle that can guarantee a better life expectancy.

- **Bachelor of Science (B.Sc. Ed) Geography Education (1998-2000)**
Obafemi Awolowo University, Ile-Ife (Adeyemi College of Education, Ondo Chapter), Ondo, Nigeria. Class: Second Class Upper Division. GPA 3.87/4

This is a double- honor degree in Geography and Education. I opted for this degree to acquire knowledge in the different geographic concepts and pedagogy. This has helped me to use the knowledge of the discipline to teach and inculcate into my students' problem solving approaches that have yielded results in many related disciplines

My research thesis was on the “Problems and Solution to the Acquisition of Relevant Teaching Aids by Geography Teachers” in Ondo State, Nigeria.

- **Nigeria Certificate in Education (NCE) Integrated Science/Geography (1994-1997)**
(Ondo State) College of Education, Ikere- Ekiti, Ekiti State, Nigeria.

Class: Distinction/Distinction

This Certificate provided me with the basic foundation as a professional teacher and a researcher. The degree accorded a leverage for the basic science and environmental studies. This has made me very productive as a teacher and a seasoned researcher

PUBLICATIONS

Articles in Learned Journals/Books

1. **2022:** Arowolo, O.H, Ojewumi J.S. (PhD) and **Fapohunda, M.T** Diversification of Nigerian economy through agriculture in post covid-19, *Review in Social Sciences* (RISS) Vol. 1 No. 1 (May, 2022) ISSN:1119 -3611, Pp170-178
2. **2020: Fapohunda, M.T,** Arowolo, O.H, Toyinbo A.S Vote buying and Nigeria image in the comity of the nation: the impacts on first-time voters and youth participation in Nigeria politics, *Journal of School of Arts and Social Sciences, Adeyemi, College of Education, Ondo, Vol.18, No1, May 2020*
3. **2020:** Bakare, K.O., Akinfisoje, E.O., Funmilayo, O.A. and **Fapohunda, M.T.,** A Review of Environmental Deterioration in the Niger Delta, Resource Control Agitation and the Problem of Unity in Nigeria. *International Journal of Contemporary Academics.* (IJCA), Pp13-27
4. **2018: Fapohunda M. T,** “Automated Cartography, A panacea for the political Complexity of Population Census in Nigeria” in Falade, D. A, Olanusi, O. B, Ojewumi, J. S, Ajayi, A, Ajibade, M. O (Eds.). Agitations, Resource control and national development in Nigeria, Ibadan, Masterprints Publishers, Pp423-439
5. **2018: Fapohunda, M.T,** Olowo-Segun M.O, Igweike, O.M, An appraisal of HIV/AIDS and its Socio-Economic Implication in Sub-Saharan Africa, *Akungba Journal of Research in Education,* Adekunle Ajasin University, Akungba Akoko, Pp 45-49
6. **2017: Fapohunda, M.T&** Arowolo, O.H, Spatial Analysis and Economic Implications of the Incidence of Malaria in Educational Institutions: A Case Study of Adeyemi College of Education, Ondo in Toyin Falola *International Journal on Africa and The African Diaspora* (TOFAC) (2017).

PROFESSIONAL EXPERIENCE

Adeyemi Federal University of Education, Ondo, Nigeria

(December 2015 - Till Date)

Assistant Lecturer-Lecturer II

- Teaching, research and carrying out fieldworks and baseline studies for undergraduates’ students.
- Conducting lectures and tutorials in Cartography, Impact Assessment Studies, Laboratory techniques and investigations in environmental Geography.
- Active participation in researches on man and environmental relationship, pedagogy and supervision of students’ teaching practice exercises.
- Designing lecturer plans, preparation and research
- Selection and Interviewing course applicants

- Examination conduct and invigilation
- Attending staff meetings and faculty engagements

Adeyemi Federal University of Education, Ondo, Nigeria

(December 2015 - Till Date)

Field and Laboratory Supervisor in-charge of Cartographic and climatic projects

- Responsible for ordering and scheduling the delivery of necessary equipment
- Liaising with the School and project management teams to ensure accurate design and execution of the project design
- Providing leadership to Research Assistants and other stake holders
- Ensuring strict adherence to safety rules and policies
- Appraising project progress to ensure that deadlines are met
- Providing guidance to students in downloading and storage climatic data
- Generating and plotting climatic data for research purposes

Morgan State University, Maryland, USA.

March, 2023 to June, 2023

Research Assistant (Climate Physics), Physics Department

- Providing assistance as directed by the Director
- Downloading climate data for analysis
- Generating and plotting climatic data for research purposes
- Extracting long-term PM2.5 data from NASA Giovanni system, LIDAR and health data from public datasets

Morgan State University, Maryland, USA,

June, 2023 to August, 2023,

Graduate Student Mentor (Centre for Equitable AI and Machine Learning Systems (CEAMLS) Summer Ai Research Institute Projects)

- Provide guidance to the undergraduate mentees in climate data gathering and assemblage
- Extract long-term PM2.5 data from NASA Giovanni system and health data from public dataset
- Explain the correlation between PM2.5 data and health data
- Use programming language e.g. python to analyze scientific data
- Use AI/machine learning to develop algorithm to predict respiratory disease using PM2.5
- Develop a model for predicting respiratory diseases in Baltimore using AI/ML and environmental conditions

HONOURS, DISTINCTIONS AND MEMBERSHIP OF LEARNED SOCIETIES

- ◆ Best Teacher Award, Adeyemi College of Education, Ondo, Nigeria 2012
- ◆ Letter of Commendation, Adeyemi College of Education, DSS, Ondo, Nigeria 2011
- ◆ Best Teacher Award, Anglican Diocesan International. College, Ondo, Nigeria 2006
- ◆ Member, Association of Nigeria Geographers (ANG) 2000 – Present
- ◆ Member, Teacher Registration Council of Nigeria (TRCN) 2007-Present
- ◆ Member, Planning Committee of the Special Virtual Conference on COVID-19 of the Association of Nigerian Geographers (Southwest) 2020

PERVIOUS EXPERIENCE

- ◆ Graduate Student-Mentor in a ten- week intensive training organized by the Morgan State University Centre for equitable AI and Machine Learning Systems (CEAMLS) from June 12, 2023 and August 11, 2023 at Morgan State University, Baltimore, Maryland, USA
- ◆ Adeyemi College of Education, Ondo. Lecturer II 2021 to Date
- ◆ Adeyemi College of Education, Ondo. Lecturer III 2018 -2021
- ◆ Adeyemi College of Education, Ondo. Assistant Lecturer 2015-2018
- ◆ Geography and Civic Education Teacher, Adeyemi College of Education, DSS, Ondo Master Grade II 2012-2015
- ◆ Geography Teacher, Adeyemi College of Education, DSS, Ondo. Master Grade I 2006-2012
- ◆ Vice Principal (Admin.) Diocesan International College, Ondo 2003-2006
- ◆ St Louis Girl's Grammar School, Ondo (Part time) 2003-2005
- ◆ New Era High School, Ile Oluji, Ondo State 2002-2003
- ◆ Integrated Science Teacher: Govt. Girls' College, Damaturu, Yobe State (NYSC) 2001-2002
- ◆ ALILAK Grammar School, Ondo 1997-1998

SKILL AND EXPERTISE

- Team leadership
- Sufficient understanding of the geography of disease
- Proficient use of computer skills
- Good demonstration of team spirit
- Ability to face and resolve new and emerging research challenges
- Proficient academic writing and research methodology
- Operation management skills
- Excellent communication and writing skills
- A good listener and creative thinker

SUBJECTS TAUGHT WITH DATES:

- ◆ Geography, Cartography and Climate Science 1997-2023
- ◆ Civic Education and Social Science 2003-2015
- ◆ Integrated Science 1997-1999
- ◆ Elementary Science 2002-2006

CONFERENCES ATTENDED (AND PAPERS PRESENTED)

1. **2023:** As Graduate student-Mentor in a ten- week intensive training organized by the Morgan State University Centre for equitable AI and Machine Learning Systems (CEAMLS) from June 12, 2023 and August 11, 2023 at Morgan State University, Baltimore, Maryland, USA

2. **2023:** A Two-day Esri 2023 ESRI-Federal GIS Conference held on 6th-7th February, 2023 at Walter E. Washington Convention Center, Washington DC, USA organized by ESRI and partners
Paper presented: Nil
3. **2023:** Voices for Change Workshop- Identities & Inclusion online module certificates on: Voices for Change - Hazing & Bullying Certificate; Voices for Change - Identities & Inclusion Certificate; Voices for Change - Alcohol & Other Drugs Certificate.
4. **2023:** Morgan State University Spring in Research Week II April 17-21, 2023, Sponsored by the Office of Undergraduate Research, the G.R.I.N.D. conference and the Student Research Center, Morgan State University, Baltimore, Maryland, USA
Paper presented: Fapohunda M.T, Richard Damoah, PhD (2023), Spatio-Temporal Analysis of Environmental Pollution and Asthma Disease in Southwest Region of Nigeria.
5. **2022:** A three-week intensive training/workshop on the use of HPTLC, HPLC, GC-MS, LC-MS in plants metabolomics and metagenomics analyses held in collaboration with the University of Nairobi, ICIPE and HPTLC Association at the Advanced Studies Institute in Kenya, organized by Bowie State and Morgan State Universities International Research Experiences for Students (IRES) between 6th and 26th June
Paper presented: Fapohunda M.T, Obadipe J.A, Wanjiku S, Odongo E, Phytochemical analysis of Kenyan *Acacia nilotica* phytochemicals
6. **2022:** Responsible Conduct in Research (RCR) and Ethic Workshop, (Virtual Spring, 2022) organized for Graduates and Undergraduate students by Morgan State University's Office of Undergraduate Research (OUR), on 19 February & 9th March
Paper presented: Nil
7. **2020:** Special Virtual Conference on COVID-19 of the Association of Nigerian Geographers (Southwest) (SWANG 2020) held via Zoom, June 29 - 30, 2020
Paper presented:
Fapohunda, M.T, Adeyemi B.A, Adisa I.O; The Impacts of COVID-19 on Hospitality Industry in Ondo State and Re-Thinking the expected New Normal
8. **2019:** 11th Annual National Conference of the School of Arts and Social Sciences, Adeyemi College of Education, Ondo. Ondo State. Nigeria held between 24th and 27th June 2019
Papers presented: Nil
9. **Fapohunda, M.T,** Arowolo, O.H, Toyinbo A.S; Vote buying and Nigeria image in the comity of nation: the impacts on first time voters and youth participation in Nigeria politics. Ojewumi, J.S (PhD), Arowolo, O.H, **Fapohunda, M.T** (2019), Management of finances in Local Government Areas and Socio-Economic development in Nigeria
10. **2019:** A-week GIS Day Celebration conference organized by South West Association of Nigerian Geographers and GIS Konsult Ltd, University of Ibadan, November
11. 57th Annual National Conference of Association of Nigeria Geographers, held at The University of Lagos, Akoka, between 10th and 15th April 2016
a. **Paper presented:** Nil
12. 9th Annual National Conference of the School of Arts and Social Sciences, Adeyemi College of Education, Ondo. Ondo State. Nigeria held between 5th and 8th June, 2017.
Paper presented:
a. Fapohunda M.T (2017) Boundary issues and the Nigerian Economic Environment

13. Toyin Falola International Conference on Africa and The African Diaspora (TOFAC) (2017), Adeyemi College of Education, Ondo, Ondo State. Nigeria between 3rd and 5th July.

Paper presented:

- a. **Fapohunda, M.T. & Arowolo, O.H. (2017)** Spatial Analysis and Economic Implications of the Incidence of Malaria in Educational Institutions: A Case Study of Adeyemi College of Education, Ondo

14. 10th Annual National Conference of the School of Arts and Social Sciences, Adeyemi College of Education, Ondo, Ondo State. Nigeria held between 3rd and 7th June, 2017.

Paper presented:

- a. Fapohunda M.T (2018) Automated Cartography, A panacea for the political Complexity of Population Census in Nigeria.

15. 2nd International Conference of the Department of Geography, University of Nigeria, Nsukka, held from 17th -20th September 2018 at the University of Nigeria, Nsukka

Paper presented:

- a. Uluocha N.O and **Fapohunda M.T** (2018) Spatial Analysis of Gender, Age and Mapping of the Occurrence of Kidney Diseases in Ondo State.

Workshop Attended:

- i. A week intensive Hand-on training on Remote Sensing and GIS organized by National Space Research and Development Agency (NASRDA) in Collaboration with the University of Lagos held at NASRDA Conference hall, Abuja between 11th and 16th September, 2016
- ii. A Three-day training on Introduction to i-Lab Display note & i-Lab Staboard VLS held at Adeyemi College of Education, Ondo on 17th February, 2017
- iii. ADAPT ICT (Information and Communication Technology)-Training in Advanced Programs held at Adeyemi College of Education, Ondo between 20th and 24th February, 2017

CURRENT RESEARCH ACTIVITY:

- i. Spatio-Temporal Analysis of Environmental Pollution and Asthma Disease in developed and developing countries

LEADERSHIP AND ORGANIZATIONAL EXPERIENCE:

2018-2022: Member, Undergraduate Fieldwork Committee, Adeyemi Federal University of Education, Ondo Nigeria.

2018-2022: Secretary, Academic Board, Department of Geography, Adeyemi Federal University of Education, Ondo Nigeria.

2020: Member, Planning Committee of the Special Virtual Conference on COVID-19 of the Association of Nigerian Geographers (Southwest)

2017-2022: Member, School of Arts & Social Sciences Seminar and Conference Committee, Adeyemi Federal University of Education, Ondo Nigeria.

2015– Present: Member, School Board of Examiners, School of Arts and Social Science Adeyemi Federal University of Education, Ondo Nigeria.

2006-2015: Secretary, Students’ Disciplinary Committee, Adeyemi College of Education, DSS, Ondo, Nigeria.

SCHOOL AND COMMUNITY DEVELOPMENT COMMITTEES:

2016 - 2021: Advisor, 100-400 Level Undergraduate Students, Dept. of Geography and Planning, Adeyemi Federal University of Education, Ondo Nigeria

2018 - 2021: Member, Undergraduate Students, Reconnaissance and Fieldwork Exercise Committee, Adeyemi Federal University of Education, Ondo, Nigeria

2013-2022: Secretary, Adeyemi Staff Cooperative Multipurpose Society, Limited, Adeyemi Federal University of Education, Ondo, Nigeria

HOBBIES: Reading, Writing and Travelling