

# CURRICULUM VITAE

- i. Name** **BABATUNDE** Oladimeji Adedoyin
- ii. Nationality** Nigerian
- iii. (a) State of Origin** Osun
- (b) Senatorial District** Osun West
- (c) Local Government Area** Irewole
- iv. Permanent Home Address** 3, Afisuuru street, Ako Area, Ikire.
- v. Contact Address:**
- (a) Physical Address:** 6, LivingWater House, Surulere Quaters  
Opa Area, Ile-Ife, Osun State
- (b) E-mail Address:** [oababatunde@mtu.edu.ng](mailto:oababatunde@mtu.edu.ng)
- (c) Mobile Phone Numbers:** 08038272108
- vi. Marital Status** Married
- vii. Number of Children and their Ages** One (1), 40 months old
- viii. Institutions Attended With Dates:**
- |  |           |
|--|-----------|
| <b>(a)</b> Federal University of Agriculture, Abeokuta | 2005-2010 |
| <b>(b)</b> Obafemi Awolowo University, Ile- Ife        | 2012-2014 |
| <b>(c)</b> Obafemi Awolowo University, Ile-Ife         | 2015-2018 |
- ix. Academic and Professional Qualifications**
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|--------------------------|------------|
| <b>(a)</b> B.Sc. Physics | April 2010 |
| <b>(b)</b> M.Sc. Physics | July 2014  |
| <b>(c)</b> Ph.D. Physics | Nov. 2018  |
- x. Work Experience with Dates**
- (a)** Mathematics Teacher, Adeline Ogunlade Memorial Home Secondary School, Abeokuta, Ogun State, Nigeria (August 2011 – July 2012)
- (b)** Physics Teacher, Unique Minds International College, Ile-Ife, Osun State, Nigeria (October 2015 – July 2016)
- (c)** Adjunct Lecturer of Physics, Redeemers' University, Ede, Osun State, Nigeria (August 2016-July 2017)
- (d)** Research Assistant, Atmospheric Physics Research Group, Department of Physics and Engineering Physics, Obafemi Awolowo University, Ile-Ife, Nigeria (November 2015- November 2017)
- (e)** Lecturer II, Department of Physics, Anchor University Lagos (June 2019 - May 2021)

#### **xi. Present Employment, Status and Salary**

Lecturer I, Department of Physics, Mountain Top University (June 2021 - April 2023)

Senior Lecturer, Department of Physics, Mountain Top University (May 2023 - Till date)

**xii. (a) Research Interests:** Climate modelling, Air pollution, Micrometeorology, Water Management Hydrology, Drought prediction and Food security

#### **(b) Research Activities**

Participated in the Nigerian Micrometeorological Experiment tagged NIMEX IV in 2013 and also in a multi-institutional field campaign at selected supersites across West Africa named DACCIWA (Dynamics of Aerosols-Cloud Chemistry Interaction in West Africa) in 2016. Through these field experiments, I learned to carry out; In-situ measurements of micrometeorological weather parameters, recalibration of commonly used evapotranspiration models, evaluation of dynamical parametric relationships used in atmospheric models, development of micrometeorological pre-processor for use in atmospheric air pollution models such as AERMOD.

#### **xiii. Conferences, Seminars and Workshops Attended with Dates**

(a) 1<sup>st</sup> National Workshop on Microgravity, held at Center for Atmospheric Research, Ayingba, Kogi state, November 2017

(b) 4<sup>th</sup> National Conference on Environment and Health, held at Redeemers University, Ede, Osun state, April, 2019

(c) Capacity building workshop, held at Mountain Top University, Ogun state, January 2022

#### **xiv. Publications with dates**

(1) Sunmonu L. A. and **Babatunde O. A. (2015)** Evaluation of three equations for calculating evaporation at a tropical location in Ile-Ife, Nigeria. *Journal of Meteorology and Climatology*, 10(2), 668 - 681.

(2) Abiye O. E., Sunmonu L. A., Ayoola M. A., Ajao A. I., Akinola O.E., and **Babatunde O. A (2017)** Near Surface Meteorological Measurements in the Vicinity of a Scrap-Iron Recycling Factory in Southwestern Nigeria. *FUW Trends in Science & Technology Journal* 2 (1B) 384 – 390.

(3) **Babatunde O.A.,** Abiye O.E., Sunmonu L.A., Akinola O.E, Ayoola M.A and Ogolo E.O. (2017) A Comparative Evaluation of Four Evapotranspiration models based on the EC measurement over a grass covered surface in Ile-Ife, Southwestern Nigeria. *Modeling Earth System and Environment* 3(4), 1273 – 1283.

(4) Abiye O. E., Matthew O. J., Ayoola M. A., Akinola O. E., Ajao, A. I., **Babatunde O. A.** and Sunmonu, L. A. (2018) Potential effects of hot-buoyant air pollution plume emitted from an industrial volume source on near-source and near-surface atmospheric stability. *2018 Monograph of Atmospheric Research*, 1-7 (Nigeria)

- (5) Sunmonu L. A., Olufemi A. P., Abiye O. E., and **Babatunde O. A (2019)** Estimation of Sensible Heat Flux at a Tropical Location: A Performance Evaluation of Half-Order Time Derivative Method *Modeling Earth System and Environment*, 5(4):1215-1220
- (6) Abiye O. E., Olaniran J. M., Sunmonu L. A. and **Babatunde O. A.** (2019). Potential Evapotranspiration Trends in West Africa from 1906 to 2015. *SN Applied Sciences* 1:1434.
- (7) Sunmonu L. A., Ajao A. I., Ayoola M. A., Ogolo E. O., **Babatunde O. A.**, and Jegede O. O. (2020) Evaluation of the Performances of Two REBS net Radiometer Designs During NIMEX at a Tropical Site I Ile-Ife, Nigeria. *Ife Journal of Science*, 22(2):1-14
- (8) Toyeye, A. B., Sunmonu, L. A., Olufemi, A. P., Babatunde, O. A. et al., (2020): Evaluation of the Performance of some Evapotranspiration Models at a Tropical Location in Ile – Ife, Nigeria. *Asian Journal of Applied Sciences* 8(6)
- (9) Omokungbe O. R., Olufemi, A.P., Ayoola M. A., Toyeye A. B., **Babatunde O. A.** (2022): Statistics of atmospheric surface layer turbulence over a tropical region: a case study of Ile-Ife, Nigeria. *Modeling Earth System and Environment* 8 (10) 1-10.
- (10) Omodara E. Obisesan; **Oladimeji A. Babatunde**; Opeyemi R. Omokungbe; Ayodele P. Olufemi (2023): Eddy Covariance Measurements of Turbulent Heat Fluxes over a Grass covered Surface in a Tropical Location. *International Journal of Environment and Climate Change Volume* 13(8): 604-616
- (11) **Oladimeji. A. Babatunde**, Ayodele P. Olufemi, Lukman A. Sunmonu, Opeyemi R. Omokungbe Adekunle B. Toyeye, Omodara. E. Obisesan (2023): Determination of Near-Surface Turbulent Fluxes at a Tropical Location: An Evaluation of Flux-Profile Technique. *Ife Journal of Science*, 25(3): 495-507. <https://dx.doi.org/10.4314/ijjs.v25i3.13>

**xv. Extra-Curricular Activities:** Reading faith-based literature, Football and Table-tennis

**xvi. Any Physical Challenge**

Nil

**xvii. Names and Addresses of Three (3) Referees**

**1. Professor Olugbenga O. Jegede**

Department of Physics and Engr. Physics

Obafemi Awolowo University, Ile-Ife, Osun State.

**Tel: 08034007146, e-mail: [oojegede@yahoo.com](mailto:oojegede@yahoo.com)**

**2. Professor Emmanuel O. Ogolo,**

Department of Physics

Federal University of Technology, Akure, Ondo State.

**Tel: 08033897139, e-mail: [emogolo@gmail.com](mailto:emogolo@gmail.com)**

**3. Professor Rose O. Soetan**

Dept. of Economics

Obafemi Awolowo University, Ile-Ife, Osun State.

**Tel: 08037169069, e-mail: [funmiasoetan@gmail.com](mailto:funmiasoetan@gmail.com)**