**UNIVERSITY OF MEDICAL SCIENCES, ONDO**

**CURRICULUM VITAE**

**A. Personal Data**

1. Full Name (Surname first): OGUNDELE, Lasun Tunde

2. Date of Birth: 09 July, 1976

3. Details of Contact Address: 5A/BC, FLCH Estate, Ita Osa, Ile Ife.

(a) E-mail address : logundele@unimed.edu.ng

(b) Mobile Phone Number(s): +2348062541661

4. Nationality: Nigerian

5. State of Origin: Oyo State

6. Senatorial District: Oyo Central

7. Local Government Area: Ibarapa East LGA

8. Permanent Home Address: 10, St. Micheal Rd, Oke Ola, Eruwa.

9. Marital Status: Married

10. Number of Children and their Ages: Three: 7 years, 4 year, 6 months.

11. Next of Kin: Mrs Ogundele Oluwakemi

12. Details of Contact Address of Next of Kin: 5A/BC, FLCH Estate, Ita Osa, Ile Ife.

(a) E-mail address ogundelebami@gmail.com

(b) Mobile Phone Number(s): +2347036783011

13. Date of Assumption of Duty: 16 January, 2017.

14. Rank/status on First Appointment: Lecturer I

15. Present Status: Senior Lecturer

16. Date of Last Promotion: 1 October, 2020

17. Present Salary, Grade Level and Step: CONUAS 05 Step 1

18. Date of Confirmation of Appointment: 4 February, 2021

19. Faculty/Directorate: Science

20. Department/Unit: Physics

**B. Educational Background**

1. Higher Educational Institutions Attended with Dates:

1. Obafemi Awolowo University, Ile-Ife Sept. 2002 – Dec.2007

2. Obafemi Awolowo University, Ile-Ife Feb. 2009 – Dec.2011

3. Obafemi Awolowo University, Ile-Ife Feb. 2013 – Feb. 2016

2. Academic/Professional Qualifications and Distinctions Obtained with Dates:

Qualifications Field Date

1. B. Sc. (Physics) Physics January, 2008

2. M.Sc. (Engineering Physics) Environmental Physics May, 2012.

3. Ph.D (Physics) Environmental Physics September, 2016

3. Other Distinctions and Awards with Dates:

(a) Scholarship: Nil

(b) Fellowship: Nil

(c) Research Grants: Nil

(d) National Awards: Nil

(e) International awards: Nil

**C. Work Experience with Dates**

1. **Previous Work Experience Outside the University System with Dates:**

(i). Research Assistant, Environmental Research Laboratory, Physics Department, OAU, Ile Ife, September, 2009 to May, 2012.

2**. Previous Work Experience in Other Universities:**

Assistant Lecturer, Wesley University, Ondo. April, 2013 - January, 2016.

3. **Work Experience in University of Medical Sciences,**

Lecturer I, University of Medical Sciences, Ondo. January, 2016 till date

4. **Courses Taught Within the Current Academic Session**

**First Semester**

1. PHY 112 (2 unit): General Physics II (**shared**)
2. PHY 113 (1 unit ): Practical Physics I (**shared**)
3. PHY 215 (3 unit): Material Science (**shared**)
4. PHY 223 (1 unit): Experimental Physics (**shared**)
5. PHY 315 (3 unit): Electromagnetic Theory I (**shared**)

**Second Semester**

1 PHY 121 (3 unit) General Physics III **(shared)**

2. PHY 122 (1 unit) Practical Physics II **(shared)**

3. PHY 221 (3 unit) Waves and Optics (**shared**)

4. PHY 321 (3 unit) Electromagnetic Theory II (**shared**)

5. PHY 424 (2 unit) Semiconductor Technology (**shared**)

**5. Graduate Student Supervision within Current Session: Nil**

**6. Current Undergraduate Supervision:**

1. Obawolu Idowu Mariam PHY/16/0346
2. Adejayan Joyline Onaopemipo PHY/16/0326
3. Adepoju Glory Imisioluwa PHY/16/0326
4. Fatukasi Yemisi Blessing PHY/16/0310

**D. Membership of Professional Bodies:** Nigerian Institute of Physics (NIP)

**E. Publications:**

1. Thesis/Dissertation

1.Trace Elemental Concentration of Harmattan Dust in Ile-Ife. B. Sc. Dissertation submitted to Department of Physics and Engineering Phyiscs, Obafemi Awolowo University, Ile-Ife (2008).

2.Variability of Mass and Elemental Concentrations of Airborne Particulate Matter with Atmospheric Parameters. M. Sc. Thesis Submitted to the Department of Physics and Engineering Physics, Obafemi Awolowo University, Ile – Ife (2012).

3.Source Identification of Particulate Matter in an Iron and Steel Smelting Factory Environment using Positive Matrix Factorization Receptor Modeling. Ph.D Thesis Submitted to the Department of Physics and Engineering Physics, Obafemi Awolowo University, Ile-Ife (2016).

2. **Books and Monographs: Nil**

**3. Contribution to Books: Nil**

4. **Published Journals Articles**

1. Oyediran K. Owoade, Felix S. Olise, **Ogundele** **L. Tunde.,** Olusegun G. Fawole, .Hezekiah B. Olaniyi (2012). Correlation between Particulate Matter Concentrations and Meteorological Parameters at a site in Ile-Ife, Nigeria. *Ife Journal of Science.* 14(1): 83-93.

2. Owoade, O K, Jegede O O, Ayoola M A, Fawole O G, Bashiru M I, Olise F S, **Ogundele, L. Tunde**. (2013). Concentrations of Particulate Matter from an Iron-Smelting Plant located along a busy highway in Southwestern Nigeria. *Ife Journal of Science* 15(1): 31- 39.

3.Owoade, O K, Fawole O G, Olise F S, **Ogundele, L. Tunde**, Olaniyi H B, Almeida S M, Ho M D. (2013). Characterization and Source Identification of Airborne Particulate Loadings at Receptor Site-Classes of Lagos Mega-City, Nigeria. *Journal of Air and Waste Management Agency* 25(2): 89 – 97.

4. Kayode O. Owoade; Felix S. Olise; **Ogundele, L. Tunde**; Olusegun  G. Fawole; Bamidele H. Olaniyi; Olugbenmiga O. Jegede; Muritala A. Ayoola; Muniru I. Bashiru (2015). Chemical compositions and source identification of particulate matter (PM2.5 and PM2.5-10) from a Scrap Iron and Steel Smelting Industry along the Ife-Ibadan Highway, Nigeria. *Atmospheric Pollution Research* 6: 107-119.

5. Kayode O.Owoade,Philip K. Hopke,Felix S. Olise,Olanisun O. Adewole, **Ogundele, L. Tunde,** Olusegun G. Fawole. (2016). Source apportionment analyses for fine (PM2.5) and coarse (PM2.5-10) mode particulate matter (PM) measured in an urban area in Southwestern Nigeria (2016). *Atmospheric Pollution Research* 7: 843-857.

6. **Ogundele, L. Tunde,** Kayode O. Owoade,Felix S. Olise, Philip K. Hopke (2016). Source Identification and Apportionment of PM2-5 and PM2:5-10 in Iron and Steel Scrap Smelting Factory Environment Using PMF, PCFA and UNMIX Receptor Models. *Environmental Monitoring and Assessment*, 188: 571-595**.**

7.**Ogundele, L. Tunde,** Kayode O. Owoade,Philip K. Hopke; Felix S. Olise (2017). Heavy Metals in Industrially Emitted Particulate Matter in Ile-Ife, Nigeria. *Environmental Research* 156: 320 - 325.

8. **Ogundele, L. Tunde**, Tosin R. Olasinde, Oyediran K. Owoade, Felix S. Olise. (2018). Composition and source identification of chemical species in dust from selected indoor environments in Ile Ife, Nigeria.*Earth System and Environment.* 2: 323 - 330.

9. Ayeku P. Oluwagbenga, **Ogundele, L. Tunde,**and Adeniyi, I. Funsho. (2019). A Study of Heavy Metals Pollution in the Coastal Marine Sediment of Ondo State, Nigeria. *Current Journal of Applied Science and Technology*. 34 (1). 1 – 10.

10.**Ogundele L. Tunde**, Isaiah A. Adejoro, Patrick O. Ayeku (2019). Health risk assessment of heavy metals in soil samples from an abandoned industrial waste dumpsite in Ibadan, Nigeria. *Environmental Monitoring and Assessment*.191: 290 – 300.

11.Olaitan Pelumi Abiodun, Oyediran Kayode Owoade, Olaniran Temitope Oladipo, Oludare Oladipo Agboola, Akinwumi Johnson, Akinloye, **Ogundele L.** **Tunde,** Olusegun Gabriel Fawole, Felix Samuel Olise, (2019). Morpho-Physiological Characteristics of *Vigna unguiculata* [L.] Walp grown in a Controlled Environment using Effluents from a Beverage Bottling Company. *Environmental Science and Pollution Research*. 26: 28775 - 28786.

12.**Ogundele L. Tunde**, Patrick O. Ayeku, Samuel O. Inuyomi, Oluwakunle M. Ogunsakin, Isaiah A. Adejoro. (2019). Assessment of naturally occurring 40K, 232Th and 238U and their associated radiological hazard indices in soils used for building in Ondo West Local Government Area, Southwestern, Nigeria. *An International Journal*: *Environmental Quality and Assessment* 37:11-17.

13. Felix S. Olise, **Ogundele L. Tunde**, Mudasiru A. Olajire, Oyediran K. Owoade, Fatai A. Oloyede, Olusegun G. Fawole, Godwin C. Ezeh. (2019). Biomonitoring of environmental pollution in the vicinity of iron and steel smelters in southwestern Nigeria using transplanted lichens and mosses. *Environmental Monitoring and Assessment*, 199: 691 – 704.

14. **Ogundele L. Tunde.,** Oladejo O. Felix, Akintola A. Caleb(2020). Concentrations, source identification and human health risk of heavy metals in the road dust collected from busy junctions in Osogbo Southwest, Nigeria *An International Journal*: *Environmental Quality and Assessment* 38: 24 – 36*.*

15. Olubusayo. F. Oladejo, Stephen. F. Olukotun, **Ogundele L. Tunde**, Sejlo. T. Gbenu, Mutiu. A. Fakunle(2020). Radiological Risk Assessment of Naturally Occurring Radioactive Materials (Norms) From Selected Quarry Sites In Edo State, South-South, Nigeria. *Environmental Earth Science* 79: 93-101.

16**. Ogundele L. Tunde**, Patrick O. Ayeku, Adebiyi S. Adebayo, Ayodele P. Olufemi, Isaiah A. Adejoro (2020), Pollution Indices and Potential Ecological Risks of Heavy Metals in the Soil: a case study from Municipal Wastes Site in Ondo State, Southwestern, Nigeria *Polytechnica* doi: 10.1007/s41050-020-00022-6.

17. **Ogundele L. Tunde,** Ayeku, Patrick Oluwagbenga (2020). Assessment of Heavy metals Contamination and Sediment quality in Ondo coastal marine area, Nigeria. *Journal of African Earth Sciences*  [*https://doi.org/10.1016/j.jafrearsci.2020.103903*](https://doi.org/10.1016/j.jafrearsci.2020.103903).

18. Oyediran K. Owoade**, Ogundele L. Tunde**, Felix S. Olise, Abigail T. Odekunle, Pelumi O. Abiodun, Godwin C, Ezeh, Philip K. Hopke(2019).. Contamination and Source Identification of the Elemental Contents of Soil Samples from Municipal and Medical Waste Dumpsites in Ile-Ife, Nigeria. *An International Journal*: *Environmental Quality and Assessment*, 40: 31 – 41. doi:10.6092/issn.2281-4485/10599.

19. Felix S. Olise **Ogundele L. Tunde,**  Olajire M. Ademola, Oyediran K. Owoade (2020). Seasonal variation, Pollution Indices and Trajectory Modeling of bio-monitored airborne particulate around two smelting factories in Osun State, Nigeria. *Aerosol Science and Engineering* doi: 10.1007/s41810-020-00070-6.

20**. Ogundele L. Tunde,** Patrick O. Ayeku(2020) Source apportionment and associated potential ecological risk assessment of heavy metals in coastal marine sediment samples in Ondo, Southwest, Nigeria. *Stochastic Environmental Research and Risk Assessment doi*: 10.1007/s00477-020-01848-3.

21**. Ogundele L. Tunde**, Oladotun Afolabi Oluwajana, Abimbola Chris Ogunyele, Samuel Oluwagbenga Inuyomi, (2021). Heavy metals, radionuclides activity and mineralogy of soil samples from an artisanal gold mining site in Ile-Ife, Nigeria: Implications on human and environmental health. *Environmental Earth Sciences* 80: 202- 217.

5. Edited and Refereed Conference Proceedings: Nil

6. Articles Accepted for Publication:

1. **Ogundele L. Tunde,** Oladejo Olubasyo. Felix, Ayeku Patrick. Oluwagbenga (2020) Lead, Cadmium and Chromium levels in some Nigerian lipstick products and their potential health risks to the consumers. (2020). *Current Journal of Applied Science and Technology* (*Accepted for Publication*).

2. Felix S. Olise, **Ogundele L. Tunde**, Ifeoluwa O. Ogungbile, Samuel A. Adeojo, Oyediran K. Owoade, Olumuyiwa S. Falade. (2020). PIXE characterisation of some natural and industrial spices: A nutritional assessment study *Ife Journal of Science and Technology*  (*Accepted for publication*).

3. **Ogundele L. Tunde** (2020). Determination of Natural Radioactivity and Radiological hazard levels of two commonly used brands of Cement in Ile – Ife, Nigeria *International Journal of Physical Science (Accepted for Publication).*

1. Manuscript Submitted for Publication:
2. Olubusayo F. Oladejo, **Ogundele L. Tunde**, Samuel O. Inuyomi, Stephen F. Olukotun, Oladotun A. Ojo, Mutiu A. Fakunle (2020). Assessment of Natural Radioactivity and Radiological hazards of Agricultural Soil: A Case Study of Osun State Unversity Teaching and Research Farm, Ejigbo, Osun State, Nigeria. *Earth System and Environment.*
3. Ayeku P. Oluwagbenga, Adeniyi F. Israel, **Ogunddele L. Tunde**, Defemi O. Ajibare, Aigbadon O. Godwin (2020). Textural Characteristic and Geochemical composition of Tropical Coastal Marine Sediment: A case study of Transgressive mud beach, Bight of Bennin, Nigeria. *Environmental Monitoring and Assessment.*

8. Creative works: Nil

9. Technical Reports: Nil

10. Papers and Work in Progress: Nil

**F. Professional Accomplishment:**

(i) Identify specific emission sources around the smelting factoring

(iii) Health risks estimation of the exposed local resident around smelting environment.

(iii) Ecological risk assessment of soil and sediment samples

(iv) Radiological risk assessment some building materials

1. **Contribution to Knowledge**

In general, my research work has been on the application of Nuclear and Atomic based analytical techniques to various environmental samples such as soil, sediment and particulate matter in various environments. The nuclear analytical techniques being routinely used are X-ray Fluorescence (XRF), Particle Induced X-ray Emission (PIXE), Atomic Absorption Spectroscopy (AAS), Instrumental Neutron Activation Analysis (INAA) techniques due to their versatility and multi-elemental capability. Apart from these, a major area of my research activity covers the application of factor analysis receptor models such as Principal Component Factor Analysis (PCFA) and non-negativity constrained Positive Matrix Factorization (PMF) to source identification and apportionment of the instrumental elemental data. I had also applied receptors models to elemental data of the coastal sediments and soil impacted by the municipal and medical waste. A major research output had also been major in air pollution meteorology and trajectory of the airborne particulates pollutants. These had lead to research articles published in highly referenced local and international journal and they are highly. Through my collaborative research efforts with the members of Environmental Pollution Research (EPR) group of the Department of Physics and Engineering Physics, Obafemi Awolowo University, Ile - Ife, urban aerosol monitoring and air pollution dispersion research are currently going on

**H. Conferences, Seminars and Workshops Attended With Dates:**

1. Faculty of Science Annual International Conference, Obafemi Awolowo University, Ile-Ife, Nigeria. October 2 - 4, 2019.
2. Advanced Digital appreciation Programme for Tertiary Institutions (Statistical Packages for Social sciences), University of Medical Sciences, Ondo. 26 – 30 November, 2018
3. A2-day workshop on Best Practices in Academics/Clinical Department Administration and Scholarship. University of Medical Sciences, Ondo. 9-10, July, 2018.
4. Faculty of Science Annual International Conference, Obafemi Awolowo University, Ile-Ife, Nigeria. September, 4 - 8, 2016.
5. 37th Annual National Conference, Nigerian Institute of Physics, held at the

Oduduwa University, Ipetumodu, Ile-Ife, 22 - 25 September, 2014.

1. 34th Annual National Conference, Nigerian Institute of Physics, held at the University of Ibadan, 9-13 November, 2010.
2. Faculty of Science Annual International Conference, Obafemi Awolowo University Ile-Ife, Nigeria. October 14 – 16, 2012.
3. Workshop on Ion Beam Analysis, Principles and Applications Centre for Energy

Research and Development, Obafemi Awolowo University, Ile-Ife, Nigeria. November, 11 – 13, 2014.

**I. Current Research Activities:**

(i) Urban aerosol monitoring using electrochemical sensors

**G. Current Relevant Information**

1. Services within the Department

i. Coordinator, Department of Physics, August, 2017 – April, 2019

ii. Part-Adviser 200L Physics Students

iii. SIWES Coordinator,

2. Services within the Faculty:

i. Member, Faculty Welfare Committee

ii. Chairman, Faculty Research Seminar Committee

3. Services within the University:

i. Member, University Senate (August, 2017 – April, 2019).

ii. Member, Postgraduate School Committee on library and publications.

iii. Member, Interview panel (10 - 11, July, 2018).

iv. Member, Interview panel (14, October, 2018).

v Coordinator, Physics, Department of Science Laboratory Technology, (November, 2010 till date)

4. Services outside UNIMED:

1. i. Resource Person, Peace House Ile-Ife.

ii. Treasurer, Federal Low Cost Housing Estate, Ita Osa, Ondo Road, Ile Ife.

2. Reviewers

i. International Journal of Environmental Analytical Chemistry

ii. Euro-Mediterranean Journal of Environmental Sciences.

iii Journal of Geosciences and Environmental Protection

**Signature: ………………………………………… Date: ……………………………**