

# CURRICULUM VITAE: Dr. OLULEYE, A.

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1. **Names in full:** OLULEYE Ayodeji
2. **Place and Date of Birth:** Ijare, Ondo State, 9<sup>th</sup> Dec, 1975
3. **Nationality:** Nigerian
4. **Marital Status:** Married
5. **Number and Ages of Children:** Three (10 and 7 years 5 years)
6. **Permanent Home Address:** Plot 6/7 Olorunsogo Estate Ipinsa, Akure.
7. **Present Postal Address:** Department of Meteorology and Climate Science  
Federal University of Technology  
P.M.B. 704  
Akure, NIGERIA  
Email: [aoluleye@futa.edu.ng](mailto:aoluleye@futa.edu.ng)  
Tel: +234-906-746-3403
8. **Educational Institutions Attended (with dates):**
  - (a) **Primary:** St. Peter's Anglican Primary Sch. Ijare Ondo State, 1981 – 1987
  - (b) **Secondary:** Anglican Grammar School Ijare Ondo State 1988 - 1993
  - (c) **Tertiary:**
    - (i) Federal University of Technology, Akure (FUTA), 2008 -2012
    - (ii) University of Abertay Dundee, Dundee UK (UAD), 2003 – 2004
    - (iii) Federal University of Technology, Akure (FUTA), 1995 - 2001
9. **Qualifications (with dates)**
  - (a) **Academic:**
    - (i) Ph.D., Meteorology, (Air pollution & Climate Change) 2012
    - (ii) M.Sc., Industrial Environmental Management, 2004
    - (iii) B.Tech., Meteorology, 2001
10. **Distinctions:**
  - (i) Best Graduating Student, Dept. of Meteorology, Federal University of Technology, Akure, 2000/2001
  - (ii) University Scholarship, Federal University of Technology, Akure, 1997/98.
  - (ii) PTDF Overseas Scholarship, 2003 – 2004

11. **Membership of Professional Bodies:**

- (i) Member, Nigerian Meteorological Society (NMetS)
- (ii) Member, Atmospheric Research Group, Nigeria (ARG)
- (iii) Member, Science Association of Nigeria (SAN)

12. **Review of Academic and Professional Journals:**

- (i) Journal of Ecology and Natural Environment (JENE).  
[www.academicjournals.org/JENE](http://www.academicjournals.org/JENE), South Africa
- (ii) Journal of Nigeria Union of Radio science, Nigeria

13. **Work Experience:**

(a) **University:**

- (i) **October, 2015 - present** Senior Lecturer, Department of Meteorology, FUTA, Nigeria
- (ii) **October, 2012 - 2015** Lecturer I, Department of Meteorology, FUTA, Nigeria
- (iii) **October, 2009 – 2012** Lecturer II, Department of Meteorology, FUTA, Nigeria
- (iv) **November, 2005 - September, 2009** Assistant Lecturer, Department of Meteorology, Federal University of Technology, Akure (FUTA), Nigeria
- (v) **May-October, 2005** Teaching Assistant, Department of Meteorology, Federal University of Technology, Akure (FUTA), Nigeria

(b) **Others:**

- (i) Gas data analyst, Nigerian Gas Company, Ekpan, Warri Subsidiary of NNPC., (NYSC assignment) May 2001 – April 2002

14. **Courses Taught at the University Level**

(a) **Undergraduate Level:**

First Semester: Atmospheric Thermodynamics (MET 305), Fluid Dynamics (MET 307), Satellite Meteorology (MET 409), Boundary Layer Meteorology (MET 312)

Second Semester: Cloud Physics & Weather Modification (MET 308), Mesoscale Meteorology (MET 504).

(b) **Postgraduates Level:**

First Semester: Instrumentation and Environmental Measurements (MET705), Upper air Meteorology (MET809), Dynamics of atmosphere and climate Change (MET805)

Second Semester: Air-sea Interaction and climate change (MET708), Mesoscale Meteorology (MET 816), Environmental pollution and control (MET814)

## Postgraduate Supervision

### (c) Masters degree:

#### Major Supervision

1. Pam J. Lyop (MET/11/7669) Mapping Desertification Extent over Northern States of Nigeria (2014). *Completed*
2. Njoku Clement (MET/12/2427) Determination of the onset of rainfall in Nigeria from low level wind circulations (2015) *completed*
3. Ochei Michael (MET/05/6090) Impact of Climate Change on the Contribution of Mesoscale Convective Systems to Precipitation in Northern Nigeria. (2015) *completed*
4. Abimbola Funmilola (MET/07/0858) Sea Surface Temperature And Rainfall Delivery In The Coastal Belt Of West Africa, (2015) *completed*
5. Gbode Imole (MET/07/0895) A Comparison of Different Cumulus Parameterization Schemes In Weather Research And Forecasting (WRF) Model over West Africa (2015) *completed*
6. Ibitola Ayorinde (MET/11/7655) Design, construction and evaluation of human comfortability systems using environmental stress index (ESI) method (2015) *completed*
7. Olomitutu Idowu (MET/12/2005) Variability of Rainfall in Nigeria and Its Relationship With Some Global Teleconnections (2015) *completed*
8. Popoola Idowu (MET/06/8466) Now-casting Technique for Aviation in Nigeria; A Case Study Mallam Aminu International Airport Kano (2015) *completed*

#### Co- Supervision

9. Oyelakin K. Akinloye (PHY/03/3089) Analysis of Long range rainfall trends as an evidence of climate change over Nigeria (2014). *Completed.*
10. Adeyinka Sauban Olufemi (RSG)/13/6594) Geospatial Assessment of cement industry air pollution on human respiratory health in Ewekoro, LGA, Ogun State, Nigeria (2015) *Completed.*

### (d) Ph.D degree:

#### Major Supervision

11. Ochei M.C (MET/05/6090) Analysis of Long range rainfall trends as an evidence of climate change over Nigeria (2016 - 2019).

#### Co- Supervision

12. Eresanya (MET/07/0892) modeling the future scenario of wave climate over the gulf of guinea (2017-2020).

### 15. Research in Progress

#### (a) On-going research:

- (i) **Oluleye A.** Modelling the theoretical Contribution of Gas Flaring to Total Carbonmonoxide Emission in Niger Delta of Nigeria.

#### (b) Research completed but not yet published:

- (i) **Oluleye A.** and Ojo J.S. Detection of Dust pollution using a Ka-Band Doppler Radar in a Tropical Location of West Africa

## 16. Publications

### (a) Thesis / Dissertations:

- (i) Modelling Dispersion of Air Pollutants from a Liquefied Natural Gas Facility in Bonny, Nigeria 2012 (Ph.D.)
- (ii) Assessment of oxides of Nitrogen in Dundee - 2004 (M.Sc.)
- (iii) Comparison of calculated and Measured soil heat fluxes in a tropical location - 2001 (B.Tech.)

### (b) Journal Articles (*asterisk those that have appeared since your last promotion*)

- (1) **Oluleye A.** (2009) Change detection in rainfall Anomalies across climatic zones in Nigeria. *Journal of Meteorology & Climate Science* 7(1): 6 – 10
- (2) Ogunjobi, K.O, C. Fagbohunka, and **A. Oluleye (2009)** Seasonal and Interannual variability of total ozone in Africa using TOMS observations *Journal of Meteorology & Climate Science* 7(2): 8 – 17
- (3) Akinbobola, A., J.A. Omotosho and **A. Oluleye (2009)** Drought Monitoring and crop yield in Northern Nigeria. *Journal of Agricultural. Research and Policies* 4, 3, 20 – 26
- (4) **Oluleye A.** and Akinbobola (2010) Malaria and pneumonia occurrence in Lagos, Nigeria: Role of temperature and rainfall. *African Journal of Environmental Science and Technology* 4 (8) 506 – 516
- (5) **Oluleye A** and Ogunjobi (2010). The Relationship of Nigerian Rainfall to Global Teleconnections and Sea Surface Temperature. *Journal of Meteorology & Climate Science* 8 (2) 71- 83
- (6) Adeyewa, Z. Debo and **Oluleye, A.**(2011) Relationships between aerosol index, ozone, solar zenith angle and surface reflectivity: a case study of satellite observations over Lagos', *International Journal of Remote Sensing*, 32: 9, 2605-2620
- (7) **Oluleye A.** and Oladosu R. (2011) Relationship between surface Layer characteristics and Daily Weather over Ile – Ife, During the Onset of Rain in 2004. *International Journal of Sustainable development* 4, 100 – 110
- (8) Ede P. N., D. O. Edokpa and **Oluleye A** (2011) Aspects of Air Quality Status of Bonny Island, Nigeria Attributed to an LNG Plant. *Journal of Energy & Environment* Vol. 22, No. 7, 891 – 909 DOI 10.1260/0958-305X.22.7.891
- (9) **Oluleye A.** and S. B. Ogungbenro (2011) Estimating the Wind Energy Potential over the Coastal Stations of Nigeria using power Law and Diabatic Methods. *African Journal of Environmental Science and Technology* Vol. 5(11), pp. 985-992
- (10) Ogunjobi, K.O., **A Oluleye** & V.O. Ajayi (2012): A long-term record of aerosol index from TOMS observations and horizontal visibility in sub-Saharan West Africa, *International Journal of Remote Sensing*, 33:19, 6076-6093
- (11) **Oluleye A.** and Balogun. I. A. (2010): Time-Series of TOMS-Measured Aerosol Index over Lagos, Nigeria as revealed by 8-Year Observations. *Journal of Environmental Research and Policies*. Vol 6, Num 2, pp 84-94

- (12)** Balogun I. A and **Oluleye A.** (2011): Climate Change: The Nigerian Rainfall Perspective. Int. Journ of Env. Sci, Vol 7, Num 3, pp 82 - 88.
- (13)** Ojo, J.S., **Oluleye A.** and Ojo O. L. (2012) Moderate and intense rainfall rates and total accumulation over the northern and southern Nigeria. Journal of Meteorology & Climate Science 10(1): 16 – 21
- (14)** Ogunjobi K.O, **Oluleye A.**, Bernard A, Ajayi V.O and Akinsanola A.A (2012) Multiyear Analysis of Ground-Based Sunphotometer (AERONET) Aerosol Optical Properties and its Comparison with Satellite Observations over West Africa. Global Journal of Human Social Science Volume 12 Issue 10 Version 1 pp31 - 48
- (15)** **Oluleye A.** and E.C. Okogbue (2013) Analysis of temporal and spatial variability of total column ozone over West Africa using daily TOMS measurements. Journal Atmospheric Pollution Research, pp387- 397
- (16)** Akinbobola A., I.A. Balogun and **A. Oluleye** (2014) Impact of sea surface Temperature over East mole and South Atlantic Ocean on Rainfall patter over the coastal stations of Nigeria. British Journal of Applied Science and Technology p463 – 476
- (17)** **Oluleye A.** and Z.D. Adeyewa (2016) Wind Energy Density in Nigeria as Estimated From the ERA Interim Reanalyzed Data Set. British Journal of Applied Science and Technology 17(1): 1-17,
- (18)** **Oluleye A.** and Abimbola F. (2015) sea surface temperature and rainfall delivery in the coastal cities of weast Africa. Journal of Meteorology and climate Science 13(1) 50-72
- (19)** Ochei, M.C, Orisakwe I.C and **Oluleye A.** (2015) Spatial, seasonal and inter-seasonal variations of thunderstorm frequency over Nigeria. African Journal of Environmental Science and Technology Vol. 9(12), pp. 810-833
- (20)** **Oluleye A.** and Michael Ochei (2017) Tropospheric Ozone Pollution in Some Major Cities of West Africa and Relationship with Atmospheric Circulations. Journal of Pollution 3(1): 123-146
- (21)** Udo, N.A, **Oluleye A.**, Ishola K, (2017) Investigation of wind power potential over some selected coastal cities in Nigeria. Innovative Energy and Research 6:162
- (22)** Eresanya E.O., **A. Oluleye** and Daramola M.T. (2017) The influence of Rainfall and Temperature on the total column ozone over west Africa. Advances in Research, 1-11
- (23)** **Oluleye A.** (2017) Role of Meteorology in Major Dust Pollution Outbreak of 20<sup>th</sup> – 29<sup>th</sup> March 2010 Over South Coast of West Africa. Journal of pollution effects and control. Vol 5 issue 2, 192
- (24)** **Oluleye A.** and Jimoh R.O (2017) Influence of Atmospheric Circulation Patterns on Dust Transport during the Harmattan Period over West Africa. Journal of Pollution 3(1): 123-146

**(c) Papers already accepted for publications (*only in the last 3 years*):**

**(d) Published Conference Proceedings:**

- (25)** Jayeoba K.O. **A. Oluleye** and V.O. Ajayi (2007) Investigation of Kainji Lake for flood control and disaster Early Warning Monitoring. Proceedings of the international conference on the impact of extreme

weather and climate on socio – economic development in Africa  
Akure Nigeria 11-15 November 2007, pp255-259

- (26) **Oluleye A.** (2009) Interannual Variation of Water Vapour over West Africa. Proceedings of the International Conference on climate change and sustainable development in Africa, Osogbo Nigeria 6-9 December 2009, pp118-121
- (27) Balogun I.A., S.O. Gbuyiro, **A. Oluleye**, A. Akinbobola (2009) Preliminary Study on Implication of Climate Variability on Water Resources and Hydro-Power Generation in Nigeria. CYSENI 2009, May 28-29, Kaunas,
- (28) **Oluleye A.** and Z. D. Adeyewa (2009) Total Column Ozone Variability over Nigeria as Observed by TOMS – EP Satellite. Proceedings of 2nd Annual Institute of Ecology and Environmental Studies conference OAU Ife, Nigeria. 9 – 11 June 2009 pp 30 – 34
- (29) **Oluleye A.** K.O. Igbalajobi and K.O. Ogunjobi (2010) Assessment of Change in Temperature and Precipitation Trends for Climate Change Detection over Nigeria. NURS 2010 conference proceedings, pp 177 -183
- (30) **Oluleye A** and A.I Balogun (2010) Temperature Spells over Lagos, Nigeria from 1948 – 2007: An Assessment of Climate Change Impact CYSENI 2010, May 27-28, Kaunas, IX502 – IX508,
- (31) Balogun A.I, A. A Balogun and A. Oluleye (2010) Impact of urban heat island on energy demand and consumption CYSENI 2010, May 27-28, Kaunas, IX477 – IX483,
- (32) Moshood, **A. Oluleye A.** and Ogunjobi K.O. (2012) Proceedings of the 2012 annual conference on climate change and variability, University of Benin, Nigeria.

#### **Book of Abstracts**

- (i) **Oluleye A.,** Z. D. Adeyewa and A. Akinbobola (2009) Seasonal Characteristics of Satellite– Derived UV Radiation over Nigeria. International Conference on contemporary challenges in research and sustainable Development of the third world, Lagos Nigeria. 5 – 8 May, 2009. pp86
- (ii) **Oluleye A.** And K.O. Ogunjobi (2011) Temporal and Spatial Change of Extreme Monthly Rainfall over Nigeria in Last Century: Application of Principal Component Analysis. AvH Kolleg Conference 2011, Climate Change and sustainable development: cultural and techno-Environmental responses in West Africa. Oct 11-15, 2011

#### **Extra Curricula Activities**

##### **(e) Within the University:**

- (i) Sub-Dean, School of Earth and Mineral Sciences May, 2014-present
- (ii) Departmental representative on the Board of Postgraduate School 2014-present
- (iii) Member of Senate committee on Computer based Examination 2015-present
- (iv) Field work coordinator 2014-present
- (v) Member, School Time Table committee 2008-present
- (vi) Department of Meteorology, Welfare officer, December 2011 to Present
- (vii) Departmental Examination officer Jan 2006 – December 2011

(viii) Member, Business committee of Board of study (BCBOS) 2010-2012

**(f) Outside the University:**

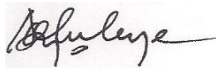
(i) Coordinator, Audio visual unit, Gospel Faith Mission Intl, PPS Assembly

**17. Names and Addresses of three Referees:**

Prof. Z. D. Adeyewa  
Redeemer's University  
Lagos –Ibadan express way, Ogun state  
Nigeria  
[adeyewa@yahoo.com](mailto:adeyewa@yahoo.com)

Prof. K.O.Ogunjobi  
Department of Meteorology and climate Science  
Federal university of Technology Akure  
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Prof E.C. Okogbue  
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Federal university of Technology, Akure  
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Signature: \_\_\_\_\_  \_\_\_\_\_

Date: 26-04-2018

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## **CURRICULUM VITAE: Dr. OKOGBUE, Emmanuel Chilekwu**

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1. **Names in full:** OKOGBUE, Emmanuel Chilekwu
2. **Place and Date of Birth:** Uzuakoli, Abia State, 10<sup>th</sup> Oct, 1962
3. **Nationality:** Nigerian
4. **Marital Status:** Married
5. **Number and Ages of Children:** Four (25, 23, 20 and 17 years)
6. **Permanent Home Address:** Ngwu Village Uzuakoli, Abia State, Nigeria
7. **Present Postal Address:** Department of Meteorology  
Federal University of Technology  
P.M.B. 704  
Akure, NIGERIA  
Email: [emokogbue@gmail.com](mailto:emokogbue@gmail.com)  
[ecokogbue@futa.edu.ng](mailto:ecokogbue@futa.edu.ng)  
Tel: +234-816-153-0011
8. **Present Employment, Status and Salary (*both in level and amount*):**  
Professor, CONUASS 07/03,
9. **Educational Institutions Attended (with dates):**
  - (a) **Primary:** Ngwu/Amankwo Community Primary School, Uzuakoli, 1972 – 1976
  - (b) **Secondary:** Ibeku High School, Umuahia, 1976 – 1981
  - (c) **Tertiary:**
    - (i) Obafemi Awolowo University (OAU), Ile-Ife, Nigeria, 2004 – 2007
    - (ii) Obafemi Awolowo University (OAU), Ile-Ife, Nigeria, 1999 – 2004
    - (iii) Obafemi Awolowo University (OAU), Ile-Ife, Nigeria, 1992 – 1997
    - (iv) Obafemi Awolowo University (OAU, Ile-Ife), Adeyemi College Campus, Ondo, Nigeria, 1984 – 1988
10. **Qualifications (*with dates*)**
  - (a) **Academic:**
    1. Ph.D. Physics (Meteorology Option), 28<sup>th</sup> November, 2007
    2. M. Phil., Physics (Meteorology Option), 27<sup>th</sup> December, 2004
    3. M. Sc., Physics (Atmospheric Physics Option), 8<sup>th</sup> December, 1997
    4. B. Sc. (Ed.), Education Physics, 9<sup>th</sup> November, 1988
    5. GCE O' Level 30<sup>th</sup> June, 1981
    6. First School Leaving Certificate Passed in 1976 (Awarded 24<sup>th</sup> Jan. 1979)



**(b) Others (if any):**

i.

**11. Distinctions:**

- (i) Distinction in First School Leaving Certificate

**12. Membership of Professional Bodies:**

- i. Nigerian Institute of Physics (NIP)  
ii. Solar Energy Society of Nigeria (SESN)  
iii. Nigerian Meteorological Society (NmetS)

**13. Review of Academic and Professional Journals:**

**i. Editor-in-Chief**

- i. Journal of Meteorology and Climate Science, Nigerian Meteorological Society (Journal of the Nigerian Meteorological Society) – (2014-Date)  
ii. **Associate Editor** - Journal of Meteorology and Climate Science, Nigerian Meteorological Society (Journal of the Nigerian Meteorological Society) – (2008-2010)  
iii. **Reviewer** - International Journal of Climatology, UK  
iv. **Reviewer** -Journal of Geography and Regional Planning, ([www.academicjournals.org/jgrp](http://www.academicjournals.org/jgrp))  
v. **Reviewer** - Journal of Meteorology and Climate Science, Nigerian Meteorological Society  
vi. **Reviewer** – Ife Journal of Science, Faculty of Sciences, Obafemi Awolowo University, Ile-Ife, Nigeria  
vii. **Reviewer** -African Journal of Environmental Science and Technology ([www.academicjournals.org/ajest](http://www.academicjournals.org/ajest))  
viii. Reviewer –Journal of Power and Energy Engineering ([www.scrip.org/journal/jpee](http://www.scrip.org/journal/jpee))

**14. External Examinership:**

**(a) Undergraduates:**

None

**(b) Postgraduates:**

Department of Physics Obafemi Awolowo University, Ile-Ife, Nigeria

**15. Work Experience:**

**(a) University:**

- (i) **Lecturer II (Meteorology)**, Department of Meteorology, Federal University of Technology, Akure ----- 1<sup>st</sup> October 1999 to 30<sup>th</sup> Sept, 2002.  
(ii) **Lecturer I (Meteorology)**, Department of Meteorology, Federal University of Technology, Akure ----- 1<sup>st</sup> October 2002 to 30<sup>th</sup> September 2008.  
(iii) **Senior Lecturer (Meteorology)** Department of Meteorology, Federal University of Technology, Akure ----- 1<sup>st</sup> October 2008 to 30<sup>th</sup> September, 2011.  
(iv) **Reader, (Meteorology)** Department of Meteorology, Federal University of Technology, Akure ----- 1<sup>st</sup> October 2011 to 2014  
(v) **Professor (Meteorology and Climate Science)** Department of Meteorology, Federal University of Technology, Akure ----- 1<sup>st</sup> October 2014 to Date

- (vi) **Ag. Head of Department**, Department of Meteorology, Federal University of Technology, Akure ----- 14<sup>th</sup> December, 2015 to 31<sup>st</sup> July, 2017
- (vii) **Head of Department**, Department of Meteorology, Federal University of Technology, Akure ----- 1<sup>st</sup> August, 2017 to Date
- (viii) **Ag. Head of Department of Meteorology, August 1, 2010 to July 31, 2012**
- (ix) **Sub-Dean**, School of Earth and Mineral Sciences (SEMS), Federal University of Technology, Akure. **February 21, 2006 to March 2008**
- (x) **Ag. Head of Department**, Department of Meteorology, Federal University of Technology, Akure From **August 1 to October 31, 2009**
- (xi) Life Member University Senate
- (xii) Member University Budget Monitoring Committee (BMC) on Federal Government NEEDS Assessment Intervention Fund (Current)
- (xiii) Member University Committee on Webometric Ranking of Universities (Current)
- (xiv) Member University Special Taskforce Review Committee (Current)
- (xv) Member University Disciplinary Committee (Current)
- (xvi) Chairman Committee on the Investigation of University Finances

**(b) Others:**

- (i) **Physics Teacher**, Urban Day, Secondary School, Dayi, Malumfashi, Katsina State (December 1988 – Nov. 1989, NYSC)
- (ii) **Assistant Lecturer (Physics)**, Department of Physics, Adeyemi College of Education, Ondo---February 1991 - September 1994. (Taught Physics: PHY101, 107)
- (iii) **Lecturer III (Physics)**, Department of Physics, Adeyemi College of Education, Ondo -- October 1994 - September 1997 (Taught PHY101, 107, 202,307,)
- (iv) **Lecturer II (Physics)**, Department of Physics, Adeyemi College of Education, Ondo --- October 1997 - 31 March 1999 (Taught Physics: PHY101, 107, 201, 202, 301)
- (v) **Lecturer I (Physics)**, Department of Physics, 1st of April 1999 to 30th September 1999. Adeyemi College of Education, Ondo ----- (Taught Physics: PHY301, 303,401,402)
- (vi) **Coordinator (Ag. Head)**, Department of Physics, Adeyemi College of Education, Ondo, **21st April 1995 to 31st July 1999.**

**16. Courses Taught at the University Level**

**(a) Undergraduate Level:**

First Semester: Atmospheric Radiation (MET 309), Undergraduate Project (MET 599),

Second Semester: Instrumentation (MET 202), World Climatology (MET 310), Dynamic Oceanography (MET 506), Undergraduate Project (MET 599), Case Study Seminar (MET 500).

**(b) Postgraduates Level:**

First Semester: Upper Air Meteorology (MET 809).  
Urban Climatology and Meteorology (MET 811)

Second Semester: Lower Atmospheric Processes (MET 802)  
Remote Sensing & GIS Applications in Meteorology (MET 818); **Master's Thesis Research Project (MET 899)**

## 17. Postgraduate Supervision

### (a) Masters degree:

#### Major Supervisor

- i. Kunle Osinowo , Analysis of Solar Radiation and Characterization of Sky Conditions over Akure Nigeria (**completed 2008**)
- ii. Akinseye, F. M. Climate Variability and Effect of Weather Elements on Cocoa and Cashew Production in Nigeria (**completed 2010**)
- iii. Omole B. M. – Estimating daily solar irradiance from monthly averages using Fourier Series Technique (**completed 2012**)
- iv. Ogunrunrayi, O. A. – Vehicular Emission and Air Quality Assessment in Akure Metropolis (**completed 2013**)
- v. Joseph, A. M. – Solar energy potential in Nigeria (**completed 2012**)
- vi. Aremu, O. A. – Flood Risk Assessment in Ondo State, Southwest Nigeria Using Remote Sensing Techniques (**completed 2013**)
- vii. Nze-Esiagha Nnawuike – Viability of Wind Energy as Power Source in Selected Cities in Southwest Nigeria (**completed 2014**)
- viii. Anejukwo Victor Majiebo – Estimating Solar Radiation in Akure Using Artificial Neural Network (**completed 2014**)
- ix. Obe Oluwafemi Benjamin – Effects of Aerosol on West African Monsoon Rainfall (**completed 2014**)
- x. Fabeku Blessing B. – Trends in Vegetation Response to Drought in Sudano-Sahelian Part of Northern Nigeria (**completed 2014**)
- xi. Rasheed Adenike R. – Rainfall Pattern over Northern Nigeria (**completed 2014**)
- xii. Okunlola, Abraham – Design, Construction and Evaluation of an Automatic Weather Station that can Be Remotely Assessed Using Locally Sourced Materials (**completed 2015**)
- xiii. Omonijo, T. O. – Trends of Drought in the Northern Nigeria (1997 -2006) (**completed 2014**)
- xiv. Livinus Obinna – Measurements of Soil Heat Flux and Soil Temperature Using Locally Developed Sensor System (**completed 2015**)

- xv. Adeyeri, Oluwafemi Ebenezer – Mapping of Evapotranspiration for Different Landuse and Landcover in the Sahelian Region of Nigeria Using Landsat 8 Dataset (**completed 2015**)
- xvi. Echerue Kingsley C. – Analysis of Climate Change for Drought Projection over Sudano-Sahelian Nigeria (**completed 2015**)
- xvii. Osondu Ifeanyichukwu – Estimation Surface Wind Speed over Akure and Ibadan Using Artificial Neural Network (**completed 2015**)
- xviii. Enyioko Olachi – Estimating Global Sola Radiation on Horizontal Surface Using Routine Meteorological Parameters for Selected Cities in Eastern Nigeria (**completed 2015**)
- xix. Ndukwe Nnamdi C. – Estimation of Global Solar Radiation over Owerri and Portharcourt Using Artificial Neural Network (**completed 2015**)
- xx. Pius Chinze Madu –Influence of Orography on Mesoscale Convective Systems over West Africa (**completed 2015**)
- xxi. Balarabe Kausar Dawud – Trends and Variability of Temperature in the Northern Part of Ngeria
- xxii. Ishola K. Abiodun – Evaluating Urban Surface Biophysical Composition
- xxiii. Onamuti Olapeju – Drought and Desertification Monitoring in the Sudano-Sahelian Region of Nigeria Using Remote Sensing and Meteorological Indices (Ongoing)
- xxiv. Ogunwole, Adekunle Oviwanu – Cooling Degree Days and Heat Index Mapping for the Northern Nigeria (Ongoing)

**M. Sc. - Co-Supervisor**

- (i) Aled Moses – Potential for solar energy in Nigeria (An M. Sc. student of Imperial College, London whom I co-supervised during my Commonwealth Fellowship at Imperial College (**Completed 2010**))

**(b) Ph.D degree:**

**Major Supervisor**

- i. Oluwadare Tomi (WASCAL Student) - Estimating Evapotranspiration from Landsat-8 Optical Satellite Imagery Using Surface Energy Balance Algorithm for Land (SEBAL) and Field Data in Vea Catchment of Northern Ghana (Completed 2015)
- ii. Gibba Peter Characterization and Projection of Extreme Precipitation Events Over Africa (Completed 2016)

- iii. Yamusa Aliu Microclimatic effects of sowing date, variety and irrigation on maize performance in a changing climate at Samaru, Nigeria
- iv. Omole B. M. – Estimating daily solar irradiance from monthly averages using Fourier Series Technique (ongoing)
- v. Okunlola B. A, Design, Construction and Control of a Wireless Mobile Underwater and Surface Vehicle for Water Quality Monitoring (Ongoing)
- vi. Fabeku Blessing B. – Satellite monitoring of Vegetation Response to Drought in Sudano-Sahelian Part of Northern Nigeria
- vii. Aremu, O. A. – Application Remote Sensing and Deographical Information System in Flood Risk Assessment in Ikorodu, Lagos nd Eseodo, Ondo State, Nigeria (Ongoing)

#### **Co-Supervisor**

- i. A. A. Akinbobola, Use of meteorological parameters for early warning of some common diseases in Nigeria (**Completed 2011**)
- ii. Jumoke Ale, Training and Information Needs of Extension Workers and Farmers in Climate Change and Variability Management in Southwest Nigeria (**Completed 2014**)
- iii. Fatuase, Adewale Isaac Effect of Climate Variability and Disease on the Productivity of Selected Arable Crop Farmers in Ondo State, Nigeria (Completed 2016)
- iv. **Effect of Production and Climate-Related Risks on**
- v. Fasanu Olugbenga – Response of Soyabean to Variable Water Application and Climate Change in the Tropics (**Ongoing**)
- vi. Afolami Adewale James – Green Rating of Buildings : A Mitigation Strategy for Climate Change in Nigeria (**Ongoing**)

#### **18. Research in Progress**

##### **a. On-going research:**

- 2. Estimating Solar Radiation and Wind Speed potential for Renewable Energy using Artificial Neural Network for Selected Cities in Nigeria.
- 3. Viability of Wind Energy as Power Source and the Econometric Analysis in Five Selected Cities in Nigeria
- 4. Monitoring and Mapping of Evapotranspiration from Landsat-8 Optical Sattelite Imagery in the Sudano-Sahelian Part of Northern Nigeria Using Remote Sensing and GIS Techniques
- 5. Estimating Evapotranspiration from Landsat-8 Optical Satellite Imagery Using Surface Energy Balance Algorithm for Land (SEBAL) and Field Data in Vea Catchment of Northern Ghana
- 6. Climate Change Management Information and Training Needs of Extension Personnel in Southwest Nigeria
- 7. Studies on Drought and Vegetation Response to Drought in Northern Part of Nigeria Using Remote Sensing and GIS Techniques

**b. Research completed but not yet published:**

Okogbue, E. C. and Aremu, O. A. – Flood Risk Assessment in Ondo State, Southwest Nigeria Using Remote Sensing Techniques

**c. Papers/Posters Presented at Conferences**

1. Okogbue, E. C. and J. A. Adedokun (2005) The Solar Radiation Climate at a tropical station at a tropical station, in Southwestern Nigeria (Presented at 28<sup>th</sup> Annual Conference of the Nigerian Institute of Physics held at Conference Centre OAU, Ile-Ife held on 17<sup>th</sup> – 20<sup>th</sup> Aug.2005; Book of Abstracts Pg. 14)
2. Okogbue, E. C. and J. A. Adedokun (2005) On the estimation of diffuse solar irradiance at a tropical station, Ile-Ife, Nigeria (Presented at 28<sup>th</sup> Annual Conference of the Nigerian Institute of Physics held at Conference Centre OAU, Ile-Ife held on 17<sup>th</sup> – 20<sup>th</sup> Aug.2005 (Book of Abstracts Pg. 42)
3. Okogbue, E. C. (2010) A Simple parabolic model presentation of hourly solar radiation over a tropical station Ile-Ife, Nigeria (Paper Presented at the 2010 National Solar Energy Forum (NASEF 2010) of the Solar Energy Society of Nigeria held at The federal University of Technology, Owerri on November 3 -7, 2010 (Book of Abstracts Pg. 11)
4. Okogbue, E. C. and J. A. Adedokun (2007) Characterization of sky conditions over Akure, Nigeria based on 1981 – 1991 Solar Radiation Observations (almost ready for submission to a journal Paper at the 2007 National Solar Energy Forum (NASEF 2007) of the Solar Energy Society of Nigeria held at The Rock View Hotel, Wuse II, Abuja held on November 28 -29, 2007 (Book of Abstracts Pg. 34)
5. Okogbue, E. C. and Aremu, O. A. (2014) – Flood Risk Assessment in Ondo State, Southwest Nigeria Using Remote Sensing Techniques. Ghana Geospatial Forum, Accra Ghana

**b. Manuscripts submitted for publication:**

1. A. Akinbobloa, J. Bayo Omotosho and E. C. Okogbue (2014) Weather Parameters and Cerebro Meningitis in South West Nigeria. International Journal of Biometeorology. **Manuscript Code Number IJBM-S-13-00182** (25%)
2. Anejukwo Victor M. and Okogbue, E. C. (2014) – Estimating daily global solar radiation over Akure, Nigeria using Artificial Neural Network. Submitted to the Turkish Journal of Physics – Manuscript Code Number FIZ-1407-4 (50%)
3. Osiniowo A. A. and Okogbue E. C., (2014) – Estimating global solar radiation from some readily measured climatic parameters in the major Climatic zones of Nigeria – Submitted to Ife Research Publication in Geography (Nigeria) [50%]
4. Osiniowo A. A., Okogbue E. C., Ogungbenro S. and Fasanu O. (2014) Analysis of solar global irradiance over climatic zone in Nigeria for solar energy applications. Submitted to International Journal of Research in Management, Science and Technology IJRMST (India), Manuscript No. IJRMST-02-02-127 [50%]

**19. Fellowship Awards**

- (a) Visiting Scientist, Department of Micrometeorology, Bayreuth University, Germany Nov 2004-Sponsored by the Atmospheric Research Group of Nigeria in affiliation with National Space Research and Development Agency, Abuja, Nigeria and International Program in Physical Sciences (IPPS), Uppsala University, Sweden.
- (b) 2009 Academic Staff Research Fellowship Award by the Commonwealth Scholarship Commission in the UK spent at the Department of Physics Imperial College of Science,

**20. Research Grants and other Grants (*specify amount*)**

**(a) National:**

FUTA Senate Research Grant No. URGC/MAJOR/2009/183 - **Amount N1, 468, 500** (PI: Prof. Z. D. Adeyewa)

**(b) International:**

Common Wealth Academic Staff Fellowship Research Support Grant (Amount £2, 300)

**21. Publications**

**(a) Thesis / Dissertations:**

- (i) Okogbue, E.C (1997). Study of Solar and Infrared Radiation Fluxes over a tropical Station, Ile-Ife pp.103 (Unpublished M. Sc. Thesis, O.A.U. Ile-Ife)
- (ii) Okogbue, E.C (2004): Characterization Of Sky Conditions And Estimation Of Global Solar Irradiance At A Tropical Station - Ondo, Nigeria, Between 1986-1990 (Unpublished M. Phil. Thesis, O.A.U. Ile-Ife)
- (iii) Broad-band Solar Irradiance and Photometric Illuminance at a Tropical Station in Ile-Ife, Nigeria. (Unpublished PhD Thesis, O.A.U. Ile-Ife)

**(b) Books (peer-reviewed):**

(i) **Authored Books:** None

(ii) **Edited Books:**

1. Climate Change impacts and Adaptation: Developmental Issues – A Special book on Climate Change Edited by Dr. K. O. Ogunjobi and **Dr. E. C. Okogbue** and Published by the Nigerian Meteorological Society (NmetS) 2010, 226 Pp.(10% Contribution)

(c) **Contribution(s) to Books:** None

**(d) Journal Articles (*asterisk those that have appeared since your last promotion*)**

1. **Okogbue, E.C.**; Adedokun, J.A. and Jegede, O.O (2002): Fourier series Analysis of Daily Global and Diffuse Irradiation for Ile-Ife, Nigeria. **Journal of Applied Sciences, Vol. 5(3)** pp.3034-3045
2. **Okogbue, E.C.** and Adedokun, J.A. (2002a): Empirical Simulation Model for Daily Global Radiation and Sunshine Duration Hours for Ondo, Nigeria. **Journal of the Nigerian Meteorological Society (NmetS), Vol. 3, No.2** pp.27-33
3. **Okogbue, E. C.** and, J.A Adedokun (2002b): On the estimation of solar radiation at Ondo, Nigeria. **Nigerian Journal of Physics, vol. 14(1).** Pp.97-104
4. Okogbue, E.C. and J.A Adedokun (2002c). Estimating solar radiation from sunshine for Nigeria. (**Nigerian Journal of Physics, vol. 14(2)**) pp.55-59
5. **Okogbue, E. C.** and Adedokun, J.A. (2002d): Characterization of sky conditions over Ile-Ife, Nigeria based on 1992 – 1998 Solar Radiation Observations. **Meteorologische Zeitschrift, Germany, Vol. 11, No.6.** Pp. 419 - 423
6. **Okogbue, E.C.** and, B.O. Ojo (2003): Local Production of Renewable Energy (Biogas) From Animal Waste for Domestic and Laboratory Uses. **Nigerian Journal of Solar Energy Vol. 14** Pp.121-125
7. **Okogbue, E.C.**; Adedokun, J.A. (2003): Improving the estimation of global solar radiation over Ondo in South Western Nigeria. **Nigerian Journal of Physics, vol. 15(1).** Pp.20-31
8. Olaleye, J.O, Ogunjobi, K.O, **Okogbue, E.C** and Adedokun, J.A (2003): Analysis of Sky

- Condition Using Solar Radiation Data Over a Tropical Station. **Global Journal of Pure and Applied Sciences, Vol. 9, No. 3 pp. 387-392**
9. Jegede, O.O, Mauder, M., **Okogbue, E.C.** T. Foken, E.E Balogun, J.A. Adedokun, E.O. Oladiran, J.A. Omotosho, A. A. Balogun, O.R.Oladosu, L.A. Sumonu, M. A. Ayoola, T.O. Aregbesola, E.O. Ogolo, E.F. Nymphas, M.O. Adeniyi G.I. Olatona, K.O. Ladipo, S.I.Ohamobi, E.O. Gbuobaniyi and G.O.Akinlade (2004). The Nigerian Micrometeorological Experiment (NIMEX-1): An Overview. **Ife Journal of Science** Vol. 6, No. 2 Pp. 191 – 202.
  10. Mauder, M.; Jegede, O.O.; **Okogbue, E.C**; Wimmer F; Foken, T. (2007) Surface energy balance measurements at a tropical site in West Africa during the transition from dry to wet season, **Theoretical and Applied Climatology, 89**, pp. 171-183 (Published online Dec 28, 2006) DOI 10.1007/s00704-006-0252-6
  11. **Okogbue, E. C.**, J. A. Adedokun and B. Holmgren (2008): Hourly and daily global photometric illuminance and luminous efficacy at a tropical station, Ile-Ife, Nigeria. *International Journal of Sustainable Energy, 27* (03), pp. 105 - 120. DOI: 10.1080/14786450802302800
  12. **Okogbue, E. C.**, J. A. Adedokun and B. Holmgren (2009): Hourly and daily clearness index and diffuse fraction at a tropical station, Ile-Ife, Nigeria. *International Journal of Climatology, Vol. 29 Issue 8, Date 30 June 2009, Pg. 1035-1047*, DOI 10.1002/joc.1849)[**United Kingdom**
  13. **Okogbue, E.C.** and J.A Adedokun (2009). Estimating global solar radiation from air temperature in a Humid Tropical Station at Ondo, Nigeria. *Journal of Meteorology and Climate Science, Vol.7 Pp. 34-43 Number 1*, pp. 34-42 [Nigeria, 85%]
  14. Akinseye, F. M., **E. C. Okogbue**, and J. A. Omotosho (2010). Climate Variability and Effect of Weather Elements on Cocoa and Cashew Production in Nigeria. *Journal of Meteorology and Climate Science, Vol.8 No. 2*, Pp. 111-119
  15. Akinseye, F. M., **E. C. Okogbue**, and Ajayi (2011), The Effect of Climate Change Elements on the phenological Development and Growth Parameters of the Field Planting of Cocoa Seedling. *Journal of Environmental Research and Policies, Vol. 6, Number 2, Pp. 76-83 (25%)*
  16. **Okogbue, E. C.** (2012) A Parabolic model presentation of solar radiation data at a tropical station, Ile-Ife, Nigeria. *Nigeria. Journal of Meteorology and Climate Science, Vol. 10 No. 1, Pp. 22-28 [Nigeria, 100%]*
  17. Osinowo, A. A. and **Okogbue, E. C.** (2012) Investigation of the sky optical conditions over selected stations in the major vegetation zones of Nigeria. *International Journal of Sustainable Energy, Pp. 1-11*  
<http://dx.doi.org/10.1080/14786451.2012.752368>
  18. Akinseye, F. M., K. O. Ogunjobi and **E. C. Okogbue** (2012) Climate variability and food crop production in Nigeria. *International Journal of Academic Research Part A: 2012; 4(5),Pp. 107-111. DOI: 10.7813/2075-4124.2012/4A.13 [Azerbaijan, 30%]*
  19. Oluleye A. and **Okogbue, E. C.** (2013) Analysis of temporal and spatial variability of total column ozone over West Africa using daily TOMS measurements. *Atmospheric Pollution Research Vol 4, Pp. 387-397*
  20. Olusegun Christiana F., Rabiou B., Ndeda Jared O. H and **Okogbue, E. C.** (2014) Trends of Temperature and Signature of Solar Activity in selected stations in Nigeria. *Atmospheric and Climate Sciences, Vol. 4, Pp. 171-178 [USA, 20%]*  
<http://dx.doi.org/10.4236/acs.2014.42020>
  21. Nze-Esiaga, N. and **Okogbue, E. C.** (2014) Assessment of wind energy potential as a generation source in five selected locations of southwestern Nigeria. *Journal of Power and Energy Engineering. Vol. 2, Pp. 1-13* <http://dx.doi.org/10.4236/jpee.2014.25001> [USA, 50%]



22. Nze-Esiaga, N. and **Okogbue, E. C.** (2014) Econometric analysis of wind power generation in few selected cities of southwestern Nigeria. *International Journal of Scientific and Engineering Research (IJSER)* Vol. 5 Issue 6 <http://www.ijser.org>
23. Fabeku, B. B. and **Okogbue, E. C.** (2014) Trends in Vegetation Response to Drought in Sudano-Sahelian Part of Northern Nigeria. *Atmospheric and Climate Sciences*, **4**, 569-588. <http://dx.doi.org/10.4236/acs.2014.44052>
24. Omonijo, T. O. and **Okogbue, E. C.** (2014) Trend Analysis of Drought in the Guinea and Sudano-Sahelian Climatic Zones of Northern Nigeria (1907-2006. *Atmospheric and Climate Sciences*, **4**, 483-507. <http://dx.doi.org/10.4236/acs.2014.44045>
25. Osinowo, A. A., **Okogbue, E. C.** (2014) Correlation of Global Solar Irradiance with some Meteorological Parameters and Validation of some Existing Solar Radiation Models with Measured Data Over Selected Climatic Zones In Nigeria. *International Journal for Innovation Education and Research www.ijer.net Vol.2-04, 2014* Pp. 41-56
26. Osinowo, A. A., **Okogbue, E. C.**, Ogunbenro, S. B and Olugbenga, F. (2015) Analysis of Global Solar Irradiance over Climatic Zones in Nigeria for Solar Energy Applications. *Journal of Solar Energy* Volume 2015, Article ID 819307, 9 pages
27. Akinbobola, A., **Okogbue, E. C.** and Olajiire, O. O. (2015): A GIS-based Flood Risk Mapping along the Niger-Benue Basin in Nigeria Using Watershed Approach. *Ethiopian Journal of Environmental Studies and Management*, **8**(6), 616-627, doi: <http://dx.doi.org/10.4314/ejesm.v8i6.1>
28. Adeyeri O. E., **Okogbue E. C.** and Akinluyi F. O (2016) Mapping Evapotranspiration for different Landcover in the Lake Chad Region of Nigeria using Landsat Datasets, *Remote Sensing Technology*, Vol. 4, Issue No.1, Pp. 58-69, DOI: 10.18005/JRST0401005
29. Ale A. B, **Okogbue E. C.**, Alfred S. D. Y (2016) Information Needs of Extension Agents in Climate change management, *Climate Change*, 2016, 2(6), 110-119
30. Ishola, K. A., **Okogbue E. C.**, and O. E. Adeyeri (2010) A Quantitative Assessment of Surface Urban Heat Islands Using Satellite Multitemporal Data over Abeokuta, Nigeria *International Journal of Atmospheric Sciences* Volume 2016, Article ID 3170789, 6 pages <http://dx.doi.org/10.1155/2016/3170789>
31. Yamusa, A. M., **Okogbue, E. C.** and Agele, S. O. (2016) Simulating the Growth and Yield of Three Maize Varieties AquaCrop Modeling Semi-Arid Zone of Nigeria. *Nigerian Journal of Soil and Environmental Research* Vol. 14 (2016)
32. Onamuti, O Y., **Okogbue E. C.**, and Orimoloye, I. R. (2017) Remote sensing appraisal of Lake Chad shrinkage connotes severe impacts on green economics and socio-economics of the catchment area Published 8 November 2017. DOI: 10.1098/rsos.171120
33. Olutumise, A. I., **Okogbue, E. C.**, and Omonijo A. G. (2017) Assessing Relationship between Selected Climate Variables, Human Diseases and Crop Production using ARDL approach – The Example of Ondo State, Nigeria. *Scientific Papers Series Management, Economic Engineering in Agriculture and Rural Development* Vol. 17, Issue 3, 2017 PRINT ISSN 2284-7995, E-ISSN 2285-3952
34. Osinowo, A.A., **Okogbue, E.C.**, Eresanya, E.O. and Akande, O. S. (2017). *Model. Earth Syst. Environ.* (2017) 3: 45. <https://doi.org/10.1007/s40808-017-0399-4> • Online ISSN 2363-6211

**(e) Papers Already accepted for publication:**

**(f) Published Conference Proceedings**

35. Adedokun, J.A.; Adeyefa, Z.D., **Okogbue, E.** and Holmgren, B. (1994): Measurement of Solar and Longwave Radiation Fluxes over Ile-Ife, Nigeria. *American Institute of Physics (AIP) Conference Proceedings*. No. 320 Pg. 179 -190. [USA,
36. **Okogbue, E.C.**, Ayoola, M.A and J.A. Adedokun (2004): Meteorological Conditions Observed during the NIMEX-1: In O.O. Jegede, **E.C. Okogbue** and E.E. Balogun

- (Editors): Proceedings of the Workshop on the Nigerian Micrometeorological Experiment (NIMEX-1) Basis, Experimentation and Preliminary Results. Organized by the Atmospheric Research Group (ARG). Comfort Press Publishing Company, Ikeja-Lagos Pp.33-40
37. **Okogbue E. C.** and J.A. Adedokun (2007) Characterization of sky conditions over Ile-Ife, Nigeria based on 1992–2002 observed solar irradiance. Nigerian Meteorological Society Proceedings of the International conference on the Impacts of Extreme Weather and Climate on Socio-Economic Development in Africa held on 11- 15 November, 2007, Akure, Nigeria
  38. Mauder, M., **Okogbue, E.C.**, E.O. Ogolo and O.O. Jegede (2004): The Surface Energy Exchange Process: In O.O. Jegede, **E.C. Okogbue** and E.E. Balogun (**Editors**): Proceedings of the Workshop on the Nigerian Micrometeorological Experiment (NIMEX-1).Basis, Experimentation and Preliminary Results. Organized by the Atmospheric Research Group (ARG), Comfort Press Publishing Company, Ikeja-Lagos Pp. 4-10
  39. F. M. Akinseye and E. C. Okogbue (2009). On Climate Variability and the effect of weather elements on agricultural crops production in Nigeria – A case study on cocoa and cashew production. Proceedings of the International conference on climate change and sustainable development held on 6 – 11 December, 2009. Pp. 156-161
  40. Akinbobola, A., Bayo Omotosho J. and **Okogbue, E. C.** (2012) Role of Some Meteorological Factors in the Occurrence of Pneumonia in Abeokuta, Nigeria. Nigerian Meteorological Society (NmetS) – Proceedings of the 2012 Annual Conference on Climate Change and Variability. Pp. 175-179
  41. Okunlola, B. A., Ladipo, K. O. and **Okogbue, E. C.** (2012) Design, Construction and Evaluation of an Electronic Automatic Water Level Control for Evaporimeter. Nigerian Meteorological Society (NmetS) – Proceedings of the 2012 Annual Conference on Climate Change and Variability. Pp. 31-38
  42. Akinbobola, A., Bayo Omotosho J. and **Okogbue, E. C.** (2012) Use of Meteorological Parameters to Monitor Malaria Prevalence in Oshogbo, Southwest, Nigeria. Nigerian Meteorological Society (NmetS) – Proceedings of the 2012 Annual Conference on Climate Change and Variability. Pp. 151-154
  43. Adeyeri, O. E., Okogbue, E. C., Ige, S O. and Ishola K. A (2015) Estimating the Land Surface Temperature over Abuja Using Different Landsat Sensors. Proceedings of the 2015 Annual Conference of the Nigerian Meteorological Society on Climate Change and Variability. Pp. 112-116
  44. Ishola K. A, Okogbue, E. C., and Adeyeri, O. E., (2015) A Quantitative Assessment of Surface Urban Heat Islands Using Satellite Multi-Temporal Data Over Abeokuta, Nigeria Proceedings of the 2015 Annual Conference of the Nigerian Meteorological Society on Climate Change and Variability. Pp. 305-309
  45. Yamusa A. M., Okogbue E. C. and S. O. Agele (2015). The Effects of Deficit Irrigation on the Performance of Some Maize Varieties at the Microclimatic Environment of Samaru Northern Nigeria. Proceedings of the 2015 Annual Conference of the Nigerian Meteorological Society on Climate Change and Variability. Pp. 462-466
  46. Joseph, M. A. and Okogbue, E. C. (2015) Solar Radiation and Solar Power Utilization in Nigeria. Proceedings of the 2015 Annual Conference of the Nigerian Meteorological Society on Climate Change and Variability. Pp.649-654
  47. Sunusi, A. H., Akinbobola, A. Omotosho J Bayo and Okogbue, E. C. (2015) Statistical Modelling of the Effect of Meteorological Parameters on the Occurrence of Malaria in Kano, Nigeria: A Preliminary Study. Proceedings of the 2015 Annual Conference of the Nigerian Meteorological Society on Climate Change and Variability. Pp.710-714
  48. Afolami, A. J., Ogunsote, O. O., Elnokaly, A. and Okogbue, E. C. (2015) Assessment of Carbon Monoxide Levels in a Commercial District of Akure, Nigeria. The Proceedings of

**(g) Monographs / Technical Reports:**

49. Jegede, O.O., **E.C. Okogbue** and E.E. Balogun (**Editors**) (2004) Proceedings of the Workshop on the Nigerian Micrometeorological Experiment (NIMEX-1) - Basis, Experimentation and Preliminary Results. Organized by the Atmospheric Research. Comfort Press and Publishing Company, Ikeja, Lagos, Nigeria (ISBN 978-2804-12-6. Pp. 66

**50. Conference(s) Attended with Dates and / or Papers Presented (*non-scorable*)**

- i. International Workshop on Environmental Monitoring and Impact Assessment and Energy Master Plan for Rural Development under the auspices of European Economic Community EDF, Project, Obafemi Awolowo University, Ile-Ife, (6 – 10 April, 1992).
- ii. International Conference on mitigating the effects of Climate Variability on food production, jointly organized by the Nigerian Meteorological Society (NMS) and the International Institute of Tropical Agriculture (IITA) held at IITA, Ibadan, (October 24 - 25, 1996)
- iii. Workshop on the Effective Ways of Conducting Science Practical organized by the Science Teachers Association of Nigeria (STAN) Ondo Zone at Ondo (29th April 1997 )
- iv. The 20<sup>th</sup> Annual Conference of the Nigerian Institute of Physics (NIP) on Physics and Energy Utilization in the 21st Century held at the Federal University of Technology, Minna, Niger State. (17th - 20th September 1997)
- v. National Solar Energy Forum (NASEF '98) on the Role of Solar Energy in the Realization of the Family Support and Economic Advancement Programmes objectives organized by the Solar Energy Society of Nigeria (SESN) held at the University of Port Harcourt on (15th - 18th September 1998).
- vi. College on Solar and Atmospheric Radiation, An International Training Workshop, jointly sponsored by the Abdus Salaam International Institute for Theoretical Physics (ICIP), Trieste, Italy, Federal Ministry of Science and Technology and the University of Ilorin, held at the Department of Physics, University of Ilorin (October 26 - November 6, 1998)
- vii. The 22nd Annual Conference of Nigerian Institute of Physics (NIP) held at the Federal University of Technology Minna (15th - 18th September 1999)
- viii. The National Solar Energy Forum 2001 (NASEF 2001) on solar for sustainable national development organized by the Solar Energy Society of Nigeria (SESN) at Obafemi Awolowo University, Ile-Ife. (22<sup>nd</sup> -24<sup>th</sup> November, 2001)
- ix. Workshop on Satellite Communication, Organized by African Regional Centre For Space Science and Technology Education- English (ARCSSTE-E), Obafemi Awolowo University Campus, Ile-Ife, Nigeria. (Affiliated to United Nations). Held at Obafemi Awolowo University, Ile-Ife. (September 16-20, 2002)
- x. Workshop on Recent Methods in Environmental Research, organized by the Department of Meteorology, Federal University of Technology, Akure in Collaboration with The

International Programme in The Physical Sciences (IPPS) Uppsala University, Sweden held (9<sup>th</sup> -13<sup>th</sup> December, 2002).

- xi.** Workshop on Satellite Meteorology and Remote Sensing, Organized by African Regional Centre For Space Science and Technology Education- English (ARCSSTE-E), Obafemi Awolowo University Campus, Ile-Ife, Nigeria (Affiliated to United Nations). held at the Obafemi Awolowo University Ile-Ife. Nigeria (August 4-9, 2003)
- xii.** The National Solar Energy Forum 2003 (NASEF 2003) on solar for sustainable national development organized by the Solar Energy Society of Nigeria (SESN) at the Centre for Energy Research and Development, University of Nigeria Nsukka, held between 3<sup>rd</sup> – 6<sup>th</sup>, December 2003: **Paper presented at the conference: Okogbue, E.C.** and J.A Adedokun (2003). Estimating global solar radiation from air temperature range, air temperature ratio and mean air temperature at Ondo, Nigeria.
- xiii.** Workshop on the Nigerian Micrometeorological Experiment (NIMEX-1). Basis, Experimentation and Preliminary Results. Organized by the Atmospheric Research Group (ARG), Obafemi Awolowo University, Ile-Ife University of Ibadan and The Federal University Of Technology, Akure at the African Regional Centre For Space Science and Technology Education- English (ARCSSTE-E), Obafemi Awolowo University Campus, Ile-Ife, Nigeria (July 15, 2004)
- xiv.** FUTA International Conference on Science and Technology for Self Reliance–Challenge for Developing Countries held at the Federal University of Technology, Akure, Nigeria (August 14-19 2005)
- xv.** 28<sup>th</sup> Annual Conference of the Nigerian Institute of Physics Featuring World Year of Physics held at the Conference Center, Obafemi Awolowo University, Ile-Ife, Nigeria (August 17 –20, 2005).
- xvi.** Nigeria Meteorological Society Akure 2007 International Conference on the Impacts of Extreme Weather and Climate on Socio-Economic Development in Africa held at The Federal University of Technology, Akure 11-15 November 2007
- xvii.** The National Solar Energy Forum 2007 (NASEF 2007) Un Harnessing Solar Energy for Rural Development organized by the Solar Energy Society of Nigeria (SESN) at the Rockview Hotel, Wuse II, Abuja held on 28<sup>th</sup> - 29<sup>th</sup>, November 2007
- xviii.** African Regional International Heliophysical Year School AFRIS, Roban Hosted by the Centre for Basic Space Science, University of Nigeria Nsukka, Nigeria held at the Hotels Enugu, 10-22, November, 2008.
- xix.** The Parliamentary Office of Science and Technology, the British Institute of Physics, and the Engineering and Physical Sciences Research Council (EPSRC) in the UK joint seminar on how new developments in science and technology can be used to improve the lives of the world's poorest people held at the Attlee Suit, Porcullis House, the House of Commons, West Minster, London on 9 December 2009
- xx.** Workshop on Science and Technology for Society to mark 50 Years of Commonwealth Scholarships March 12 – 14, 2010 held at Cumberland Lodge, London
- xxi.** The Royal Society Workshop (Celebrating 350 Years of Science) on Handling Uncertainties in Science Organized by the British Royal Society at the Royal Society Complex, 6 - 9 Carlton House Terrace London SW1Y 5AG on 23 – 24 March, 2010.

- xxii.** The National Solar Energy Forum, NASEF 2010 held at the Federal University of Technology, Owerri between 3<sup>rd</sup> and 6<sup>th</sup> November, 2010. **Paper presented at the conference:** Simple parabolic model presentation of hourly solar radiation over a tropical station Ile-Ife, Nigeria
- xxiii.** Ghana Geospatial Forum on Envisioning Spatially Enabled Ghana, Accra, Ghana (24-28 February, 2014) Papers presented: (1) Okogbue, E. C. Aremu, O. (2014) Flood Risk Assessment in Ondo State, Southwest Nigeria Using Remote Sensing/GIS Techniques. (2) Oluwadare, Olamitomi, A., Okogbue, E. C., Kunstmann, Harald, Akinluyi, F. O. and Ayari, Salisu (2014) Comparison of SEBAL Estimated Evapotranspiration from Landsat-8 Optical Satellite Imagery and Field Data in Veve Catchment of Northern Ghana.

### 23. Extra Curricula Activities

#### (a) Within the University:

1. Representative of Congregation to the University Senate
2. **Member**, University Board of Survey Representing SEMS **2007 – 2009**
3. **Member**, University Committee on the proposed Institute of Renewable and Non-Renewable Energy Federal University of Technology, Akure.
4. **Member**, University High Powered Research Team on Solar Energy, Federal University of Technology, Akure **6<sup>th</sup> May 2008 – September, 2009**
5. Member, School of Mines and Earth Sciences, Time Table Committee. **June, 2003 to April 2006.**
6. **Chairman**, School Time Table Committee School of Earth and Mineral Sciences (SEMS), Federal University of Technology, Akure **April 2006 – 2008**
7. **Member**, School Students Handbook Committee, School of Earth and Mineral Sciences (SEMS), Federal University of Technology, Akure
8. **Member**, School Workshop/Seminar Committee School of Earth and Mineral Sciences (SEMS), Federal University of Technology, Akure **November 2007 – September, 2009**
9. **Member**, School Merit Award Committee School of Earth and Mineral Sciences (SEMS), Federal University of Technology, Akure **November 2007– September, 2009**
10. **Member**, School NUC/COMEG Committee School of Earth and Mineral Sciences (SEMS), Federal University of Technology, Akure **November 2007– Date**
11. **Member**, Business Committee of Board of Studies/Examiners, School of Earth and Mineral Sciences (SEMS), Federal University of Technology, Akure **November 2007–September 2009**
12. **Departmental Examination Officer** Departmental of Meteorology, FUTA **2000 – 2002**
13. **Departmental Admission's Officer 2000 – 2001 Department of Meteorology** Federal University of Technology Akure, Departmental of Meteorology,

14. **Member**, School Students Handbook Committee **2006 - 2007**
15. **Academic Secretary**, Department of Physics, April 1991 - April 1994 Adeyemi College of Education, Ondo

**(b) Outside the University:**

1. **Member**, School of Science Board of Studies and Board of Studies/Examiners, Adeyemi College of Education, Ondo February 1991 to 30th September, 1999.
2. **Member** of College Academic Board, Adeyemi College of Education, Ondo, 21st April 1995 - 31st July 1999.
3. **Academic Secretary**, Department of Physics, Adeyemi College of Education, Ondo April 1991 - April 1994
4. **Member**, School of Science Board of Studies and Board of Studies/Examiners, Adeyemi College of Education, Ondo February 1991 to 30th September, 1999.
5. **Coordinator**, Department of Physics, Adeyemi College of Education, Ondo, 21st April 1995 to 31st July 1999.
6. **Representative of College Academic Board** to Students Affairs Advisory Committee, Adeyemi College of Education, Ondo, 1st October, 1996 - 31<sup>st</sup> July, 1999
7. **Associate Editor**, Journal of Meteorology and Climate Science **2008 - 2010**
8. Member, Full Gospel Business Men's Fellowship International (a non-profit making Christian Outreach Ministry)
9. President, His Word Communication Ministries (a nonprofit making Christian Outreach Ministry, Ondo)



**Signature:** \_\_\_\_\_ **Date:** *September, 18, 2017*