

# CURRICULUM VITAE

- 1. NAME IN FULL:** ADEOFUN, Clement Olabinjo  
**2. DATE AND PLACE OF BIRTH:** August 9, 1962, Akungba Akoko  
**3. NATIONALITY:** Nigerian  
**4. STATE OF ORIGIN:** Ondo  
**5. PERMANENT HOME ADDRESS:** No 3, Baba Owo Close, Aregbe, Abeokuta  
**6. PRESENT POSTAL ADDRESS:** Environmental Management and Toxicology  
Department, Federal University of  
Agriculture, P.M.B 2240 Alabata Road,  
Abeokuta, Ogun State.  
**7. MARITAL STATUS:** Married  
**8. NUMBERS AND AGES OF CHILDREN:** 2 (25) (20)  
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[clembinjo@gmail.com](mailto:clembinjo@gmail.com)

**10. EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES:**

- |   |                     |
|---|---------------------|
| 1. University of Ibadan                         | Nov.1988- Oct.1991  |
| 2. University of Ibadan                         | Sept.1987-Sept.1988 |
| 3. University of Ibadan                         | 1982- 1986          |
| 4. Ondo State College of Art and Science, Ikare | 1979-1981           |
| 5. Aquinas College Akure, Ondo State, Nigeria   | 1974-1979           |

**11. QUALIFICATIONS WITH DATES AND CLASS OF DEGREE:**

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|--|------|
| 1. PhD Forest Resources Management and Remote Sensing      | 1991 |
| 2. M.Sc Forest Biometrics and Remote Sensing (Ph.D. Grade) | 1988 |
| 3. B.Sc Forest Resources Management (Second Class Lower)   | 1986 |
| 4. W.A.S.C Advanced level (C.E.F.)                         | 1981 |
| 5. W.A.S.C Ordinary level (Grade II)                       | 1979 |

**12. MEMBERSHIP/FELLOWSHIP OF RELEVANT PROFESSIONAL BODIES:**

1. National President, Environmental and Behaviour Association of Nigeria (EBAN)
2. Member, Nigerian Environmental Study/Action Team (NEST)
3. Member, Ecological Society of Nigeria

4. Member, Nigerian Society of Remote Sensing (NISORS)
5. Member, Forestry Association of Nigeria
6. Member, Nigerian Field
7. Member, African Association of Remote Sensing of the Environment (AARSE)
8. Member, Nigerian Society of Environmental Management (NISEM)

### 13. WORK EXPERIENCE - PRESENT AND FORMER

1. Graduate Assistant  
Department of Forestry Resources Management  
University of Ibadan. July 1988- Oct. 1990
2. Assistant Lecturer  
Department of Forestry, Crop and Soil  
River State University of Science and Technology  
Port-Harcourt Oct.1990- Sept. 1991
3. Lecturer II  
Department of Environmental Management and Toxicology  
Federal University of Agriculture Abeokuta. Oct. 1991- Sept. 1997
4. Lecturer I - FUNAAB Oct. 1997- Oct. 2000
5. Senior Lecturer - FUNAAB Oct. 2000 - Oct.2008
6. Reader - FUNAAB Oct.2008 - Sept. 2011
7. Professor - FUNAAB Oct. 2011 Till Date

### 14. POSITIONS HELD WITH DATES:

1. Acting Head of Department - Aug. 2002 - July 2004
2. Head of Department - May 2012 - July 2013
3. Dean of COLERM - Oct. 2013 - Oct. 2018
4. Member of University Governing Council - Feb. 2014 Feb. 2018
5. Chairman, University Security Committee - March 2018 – Nov. 2019
6. Deputy Vice-Chancellor (Development) - Nov. 2018 – Nov. 6, 2021
7. Member of University Governing Council - Feb. 2018 – Nov. 6, 2021
8. Professor and Member of Senate - Oct. 2011 Till Date
9. Chairman, University Staff Development Committee - 2019- 2021
10. Chairman, Board of AMREC - 2019- 2021
11. Chairman of Centre for Entrepreneurial Studies (CENTS) - 2019- 2021
12. Chairman, Board of IFSERAR - 2019- 2021
13. Chairman, Board of University International Project - 2019- 2021

14. Chairman, Board of Directorate of University Farms (DUFARMS) - 2019- 2021
15. Chairman, Board of University Conservices Ltd (FUCONS) - 2019- 2021
16. Chairman, Board of University Industrial Park Unit (IPU) - 2019- 2021
17. Chairman, Board of Community Based Farming Scheme (COBFAS) - 2019- 2021
18. Chairman, Board of FUNAAB Radio - 2019- 2021
19. Chairman, Board of University Centre of Advancement and Endowment - 2019- 2021
20. Chairman, Council Committee on Petition and Conflict Resolution - 2014- 2018
21. Chairman, Council Committee on University Staff Club - 2019- 2021

## 15. LIST OF PUBLICATIONS

### (a) THESIS/DISSERTATIONS

- Adeofun, C.O.** (1988): The use of Remote Sensing Techniques for Assessing Vegetation and Land Use Changes in Ossimo River Basin. (M.Sc Dissertation in Forest Resources Management Department, University of Ibadan)
- Adeofun, C.O** (1991) An Assessment of Deforestation in a Lowland Forest Area of South Western Nigeria using Remote Sensing Techniques. (Ph.D Thesis in Forest Resources Management Department, University of Ibadan)

### (b) BOOKS

- Adeofun, C.O,** Oguntoke, O and Akegbejo-Samsons Y (2004) Environment, Culture and Wealth Generation (Editors) Proceedings of the 12<sup>th</sup> Annual Conference of Environment and Behaviour Association of Nigeria (EBAN) held at the University of Agriculture, Abeokuta, 24<sup>th</sup> – 26<sup>th</sup> November, 2004. 110Pp.

## LEARNED JOURNALS

- (1) Folorunso, O.O and **Adeofun, C.O.** (1995): The Socio- Economic implications of Environmental degradations in Nigeria and Strategies for Ameliorating the Problems. Nigeria Journal of Forestry Vol. 24 pp. 44-47
- (2) **Adeofun, C.O.** (1996): Determination of Forest Degradation Pattern using Multi-date Remote Sensing Data: Nigeria Journal of Forestry vol. 26 No. 2 pp. 66-69
- (3) **Adeofun, C.O.** and Akinsanmi, F.A. (1996): Assessment of Deforestation in a Lowland Forest Area of South Western Nigeria Using Remote Sensing Techniques. Nigeria Journal of Forestry Vol. 27 pp. 6-9
- (4) **Adeofun, C.O.** and Akande, I.A (1997): Guidelines for Nigeria Wood Export and its Potential. Nigeria Journal of Forestry Vol. 29(1) pp. 9-18

- (5) **Adeofun, C.O.** (1999): Vegetation and Land Use Changes in Lowland Forest Ecosystem: Measurement by Remote Sensing. *Journal of Tropical Ethnobotany* 2(1) pp. 8-18
- (6) Afuwape, M.A, Amosun, O, Fagbenro, J.A., Ojo, L.O. and **Adeofun, C. O.** (2000) Towards Eradicating Deforestation: What options for Nigeria? *Journal of Forestry* Vol.32 pp. 95-103
- (7) **Adeofun, C.O.** and Opeolu, O. (2004): Environment, Human Health and Safety Perspectives to Private Sector Participation in Agriculture. *Nigerian Journal of Farm Management* Vol.7 No 2 pp 49-53
- (8) Gajere, E.N. and **Adeofun, C.O.** (2005) Assessment of Urban Wildlife Habitat Potentiality of Mussorie Dehradun, India Using Remote Sensing and Geographic Information System. *J. of Trop. For. Res.* Vol 21 (1) 2005 pp166-184
- (9) Ologun, J.A.A, Ugodulunwa, F.X.O., Ogunmola J.K, **Adeofun, C.O**, Alaga, A.T, Onwusulu, A.U. and Ogbole, J.O.(2005): The use of NigeriaSat-1 and GIS in mapping Kiigom Molybdenite deposit in North Central Nigeria. *Nigeria Journal of Space research* Vol.1 No 1 pp.155-166
- (10) Nwagu, C.J. and **Adeofun, C.O.** (2006) Selection of Solid Waste landfill Site Using remote Sensing and GIS Techniques. *ASSET International Journal A* (2006) 6 (2): 301 - 310
- (11) Taiwo, Q. and **Adeofun, C.O.** (2006) "Accuracy Assessment of DTM": A cost effective and analytic approach. *Nigeria Journal of Space research* vol.2.No 1, pp.81 - 84
- (12) Onwusulu, A.U. **Adeofun, C.O.** and Ajayi, T.R. (2006) Satellite Remote Sensing for Groundwater Targeting in basement Complex Rocks of Jos, Plateau. *Nigeria Journal of Space research* vol.2 (1) pp.85-94
- (13) Uchua, K.A. and **Adeofun, C.O.** (2006) Satellite remote Sensing and GIS as Vital Tools for Generating Agricultural Information. *Nigeria Journal of Space research* vol.2 No1 pp.179-188
- (14) Ologun, J.A., **Adeofun, C.O.** and Omomoh. E. (2006) Population Dynamics and Environmental Degradation: A study of the Tin mining region of Plateau State, Nigeria. *Bowen Journal of Agriculture* Vol. 3 (2) pp 209-216
- (15) Omomoh, E.A and **Adeofun. C.O** (2006) An Assessment of Urban Agricultural Land use Changes using Geospatial Information System GIS: A case study of Jos-Bukuru. *Nigerian Journal of farm management* Vol.8 No.1 pp 20-28
- (16) Ufoegbune, G.C., **Adeofun, C.O**, Awomeso, J.A. and Awokola, O.S. (2007) Land-use Change Detection of Eleyele and its Environs Using Remote Sensing Technique. *Journal of Trop. For. Res.* Vol. 23, No (1), pp29-37
- (17) Ologun, J.A.A, **Adeofun, C. O**, Onwusulu, A.U. and Alaga, A. T, (2007): An Evaluation of NigeriaSat-1 for Geological Mapping of part of Plateau State Nigeria. *ASSET International Journal.* Vol. 7 No. 1, pp27-35
- f(18) Moyin-Jesu, E.I. and **Adeofun, C.O.** (2008) Comparative evaluation of different organic fertilizers on the soil fertility, leaf mineral composition and growth of bitter kola seedlings *Garnica colae* Emir. *J. Food Agric.* 2008, 20 (1): 31-45
- f(19) Alfa, N.I, **Adeofun, C.O.**, Ogunorisa, E.T. (2008) Assessment of changes in Aerial Extent of Lake Chad using Satellite remote Sensing Data. *Journal of Applied Science and Environmental Management.* March 2008 Vol. 12(1) 101-107

- f(20) Ekpo, U.F., Mafiana, C.F., **Adeofun, C.O.**, Solarin, A.R.T. and Idowu, A.B. (2008) Geographical information system and predictive risk maps of urinary schistosomiasis in Ogun State, Nigeria. *BMC Infectious Diseases* 2008 8: 74
- f(21) Taiwo O.Q and **Adeofun C.O** (2008) Determination of land suitability index for Rice Production using Remote Sensing and GIS techniques. *Botswana Journal of Agriculture and Applied Sciences* Vol. 4 No. 2 pp163 – 167
- f(22) **Adeofun, C.O.**, Gbadebo, A.M., Oladejo, L.O. and Awokola, O.S.(2008) Effect of Dredging Activities on the Physico Chemical Flora and Fauna Characteristics of Ogunpa and Ogun rivers, Southwestern Nigeria. *Botswana Journal of Agriculture and Applied Sciences* Vol. 4 No. 2 pp168 - 175
- (23) **Adeofun, C.O.** and Oyedepo, J.A. (2008) Assessment of Wetland Ecosystem Loss in Lagos Coastal area using Remote sensing techniques. *Journal of Field Aquatic Studies* Vol. 4 No 1, pp1-12
- f(24) Moyin-Jesu, E.I. and **Adeofun, C.O.** (2008) Comparative evaluation of different organic fertilizers on the soil fertility, leaf mineral composition and growth performance of mango seedlings *Mangifera indica* Emir. J. Food Agric. 2008 Vol. 20 No 1 (in press)
- (25) Ufoegbune, G.C., Oguntoké, O., **Adeofun C.O.** and Salako, A. (2008) Remote sensing techniques applied to time related changes in the land use of Abeokuta and its Environments, South-Western Nigeria. *ASSET International Journal* Vol 8 (1) pp 98-108
- (26) **Adeofun, C.O.**, Ufoegbune, G.C. and Oyedepo, J. A. (2008) Land Resource Mapping and Inventory of the Major Tin Mining Regions of Plateau State. *Journal of Tropical Forest Resources*, Vol 24, No 1 (In Press)
- f(27) Ogunmola J.K, **Adeofun, C.O.**, Ogbale J.O, Goki N.G and Oha, I.A (2008) The Use of Nigeria SAT-1 and GIS in Assessing Mineral Potential of Rafin-Gabbas, North Central Nigeria. *Middle East Journal of Scientific Research* 3 (3) 164-170
- f(28) Etukwa, I.P, Akegbejo-Samsons Y, **Adeofun, C.O** and Bamgbose, O. (2008) An Assessment of Water Quality, Physical Habitats and Fish Resources of the Qua Iboe River, Etinan Local Government Area, Akwa-Ibom State, Nigeria. *American-Eurasian J. Agric & Environment Sci.* (In Press)
- f(29) Olarenwaju O.E, Adetunji M.T, **Adeofun, C.O** and Adekunle I.M (2009) Nitrate and phosphorus loss from Agricultural land: Implication for non-point pollution. *Nutrient Cycle Agroecosyst* Vol 109 no 8
- f(30) Ufoegbune, G.C, Lamidi, K.I, Awomeso, J.A, Eruola, A.O, Idowu, O.A and **Adeofun, C.O.** (2009) Hydro-geological characteristics and ground water quality assessment in some selected Communities of Abeokuta South-western Nigeria. *Journal of Environmental Chemistry and Ecotoxicology* Vol 1 (1)
- (31) Awomeso, J.A, Ufoegbune, G.C, Eruola, A.O, and **Adeofun, C.O.** (2009) Human health and Environmental risk assessment of Alakia Industrial district of Ibadan, Southwest Nigeria. *ASSET International Journal Series A, Volume 9 No 1(In Press)*
- f(32) Oluwole, A.S, Ekpo, U.F, Mafiana, C.F, **Adeofun, C.O** and Idowu, O.A (2009) Preliminary Study on Temporal Variations in biting activity of *Simulium damnosum* s.l. in Abeokuta North LGA, Ogun State, Nigeria. *BMC Parasites & Vectors* 2: 55
- f(33) Eruola, A.O, Ufoegbune, G.C, Eruola, A.O, Awomeso, J.A, **Adeofun, C.O.**, Idowu, O.A and Sowunmi, A (2010) Qualitative and Quantitative assessment of rainwater harvesting from rooftop catchments: Case Study of Oke-Lantoro Community in Abeokuta, Southwest Nigeria. *European Water* 32: 47-56
- f(34) Adekunle, I.M. Ajijó, M.R, **Adeofun, C.O.** and Omoniyi, I.T. (2010) Response of four phytoplankton species found in some sectors of Nigerian Coastal Waters to Crude Oil in Controlled Ecosystem. *Int. J. Environ. Res.*, 4 (1): 65-74

- f(35) Omonijo, A.G, Oguntoke, O, Matzarakis, A and **Adeofun, C.O.** (2011) A Study of Weather Related Respiratory Diseases in Eco-climatic zones. *African Physical Review* 5 (0003): 41-56
- f(36) Omonijo, A.G, Matzarakis, A, Oguntoke, O and **Adeofun, C.O.** (2011) Influence of Weather and Climate on Malaria occurrence based on Human-Biometeorological Methods in Ondo State, Nigeria. *Journal of Environmental Science and Engineering*, 5:1215-1228
- (37) Omonijo, A.G., Matzarakis, A., Oguntoke, O. and **Adeofun, C.O.** (2011) Effect of thermal environment on the temporal, spatial and seasonal occurrence of measles in Ondo state, Nigeria. *Int. J. Biometeorol*, DOI 10.1007/s00484-011-0492-8
- (38) Pelemo, O.J., **Adeofun, C.O.**, Osudiala, C.S. and Adetogun, A.C. (2011) Assessment of Growth Dynamics of tree species in SNR2, Akure Forest Reserve, Nigeria. *Journal of Research in Forestry, Wildlife and Environment, (JFERW)* 3 (1).
- (39) Eruola, A.O., Ufoegbune, G.C., Eruola, A.O., Awomeso, J.A., **Adeofun, C.O.**, Idowu, O.A. and Abhulimen, S.I. (2011) An Assessment of the Effect of Industrial pollution on Ibese River, Lagos, Nigeria. *African Journal of Environmental Science and Technology*, 5 (8): 608 – 615.
- (40) **Adeofun, C.O** and Oyedepo, J.A and Lasisi, T.I (2011) An Assessment of Urban Encroachment on Ogun River Bank Protection Zone in Abeokuta City, Nigeria. *Journal of Agricultural Science and Environment (JAgSE) Series A Vol. 11 No. 1*, pp. 78-89. Published by Federal University of Agriculture, Abeokuta Nigeria
- (41) **Adeofun, C. O**, Oyedepo, J. A. and Itua, E.O. (2011) Environmental Sensitivity Impact Analysis of Petroleum Products Distribution through Sub-Surface Pipeline in Lagos, Nigeria. *Journal of Field Aquatic Studies*, Vol 6, No 1, pp. 42-51. Published by Multidisciplinary Aquatic Study Team, Department of Aquaculture and Fisheries Management, University of Agriculture, Abeokuta.
- (42) Oyedepo, J. A. and **Adeofun, C. O.** (2011) Environmental Sensitivity Index Mapping of Lagos shorelines. *Global NEST Journal*, Vol. 13, No 3 pp. 277-287. Published by University of the Aegean 30, Voulgaroktonou, Street, Greec. Available online at [www.gnest.org/sites/default/files/reference](http://www.gnest.org/sites/default/files/reference) number: GNEST/17/07/08/565-revised 29/11/10
- (43) Ogunesan, D., Oyedepo, J., Oates, J., **Adeofun, C. O.**, Ikemeh, R. and Bergl, R. (2011) GIS-supported survey of low-land rain forests in SW Nigeria. *Africa Geoscience Review (AGR)* Vol.18, Nos. 3 & 4, pp. 85-94. Published by Rockview International, 40, BoulevardGabrie; Peri, 92240, Malakof, France. Available online at [www.geoscafr.com/agrvols.html](http://www.geoscafr.com/agrvols.html)
- (44) **Adeofun, C.O** and Oyedepo, J.A (2011) Integration of GIS, GPS, GSM and Remote Sensing, (3GR) for road accident reporting and management. *Journal of Agricultural Science and Environment (JAgSE) Series A Vol. 11 No 2* pp. 111-121 Published by Federal University of Agriculture, Abeokuta Nigeria
- (45) **Adeofun, C. O**, Oyedepo, J. A. and Salami, O. A. (2011) Global System of Mobile Telecommunication Base Station as Emission Source in Nigeria: A GIS-supported investigation. *Journal of Research in Science and Management*. Published by School of Sciences, Federal University of Technology, Akure.
- (46) **Adeofun, C.O**, Oyedepo, J.A and Ogunesan, D. (2011) Assessment of Human Perturbation of Nigerian Terrestrial Ecosystems. *Journal of Research in Forestry, Wildlife and Environment (JFERW)* Vol 3, No 2, pp. 46-59. Published by Forestry and Wildlife Management Programme, University of Agriculture, Makurdi.
- (47) **Adeofun, C.O**, Ufoegbune, G.C. and Oyedepo, J. A. (2011) Land Resource Mapping and Inventory of the Major Tin Mining Regions of Plateau State. *Journal of Tropical Forest Resources*, Vol 24, No 1.

- (48) **Adeofun, C.O.**, Oyedepo, J.A and Awokola, O.S (2011) Environmental Impact Assessment of Sand Dredging and Land Reclamation in some parts of Lagos Coastal Areas. *Journal of Engineering & Environmental Studies* Vol. 2 No 1, pp. 29-36. Published by Olabisi Onabanjo University, Ago-Iwoye Ogun State, Nigeria.
- (49) <sup>f</sup>H. A. Achi, **C. O. Adeofun**, A.M. Gbadebo, G.C. Ufoegbune and J.A. Oyedepo (2012) An Assessment of Solid Waste Management Practices in Abeokuta, Southwest, Nigeria. *J. Biol. Chem. Research*. Vol. 29, No.2: 177-188 (An International Journal of Life Sciences and Chemistry) Vol. 29, No. 2, pp. 177-188 Published by Society for Advancement of Sciences. Available online at <http://www.jbcr.in>
- (50) <sup>f</sup>Achi, H. A., **Adeofun, C. O.** , Ufoegbune, G.C. , Gbadebo, A.M. and Oyedepo, J. A. (2012) Disposal Sites and Transport Route Selection Using Geographic Information System and Remote Sensing in Abeokuta, Nigeria. *Global Journal of Human Social Science* Vol. 12, No. 12, Version 1, pp. 14-24. Published by Global Journals Inc. (USA) Available online at <http://www.socialscience-research.org/index.php/GJHSS/article/view>
- (51) Oyebanji, F. F. **Adeofun, C.O.** Adedeji, O. H. Ekpo, U. F. Oguntoke, O. Ojekinle, O. Z. (2013). Assessment of Respiratory Health Impact of Fuel-wood Utilization on Exposed Rural Women in Odeda South Western Nigeria. *Global Journal of Science Frontier Research, Environment and Earth Science* Vol. 13 (4) 1.
- (52) B. A. Osunmadewa, E. Csaplovics, Majdaldin R. A., **C. O. Adeofun**, D. Aralova (2016). Regional assessment of trends in vegetation change dynamics using principal component analysis. In: Christopher M. U. Neale and Antonino Maltese (eds) Proceedings of the SPIE Vol. 9998; Remote Sensing for Agriculture, Ecosystems, and Hydrology XVIII, 99981Y (25 October 2016); Edinburgh, United Kingdom. doi: 10.1117/12.2242011
- (53) Opeyemi O Tope-Ajayi, Oludare H. Adedeji, **Clement O. Adeofun**, S. O. Awokola (2016). Land Use Change Assessment, Prediction Using Remote Sensing, and GIS Aided Markov Chain Modelling at Eleyele Wetland Area, Nigeria. *Journal of Settlements and Spatial Planning*, vol. 7, no. 1 (2016) 51-63.
- (54) Osunmadewa, B. S. Csaplovics, E,R,A,M. **Adeofun, C.O.**, Aralova D. (2016). Regional assessment of trends in vegetation change dynamics using principal component analysis. Proc. SPIE 9998. Remote Sensing for Agriculture, Ecosystems, and Hydrology XVIII, 99981Y (2016/10/25)
- (55) Oyebanji, F. F. Oguntoke, O. Ojekunle, O. Z. **Adeofun, C. O.** Adedeji, O. H. Ekpo, U. F. Adedunle, M. M. (2016). Seasonal and Spatial Analysis of Air Pollutants Emissions from Fuel-wood Utilization in Selected Rural Communities within Odeda L.G.A; Nigeria. *Global Journal of Science Frontier Research, Environment and Earth Science* Vol.16 (3)1.
- (56) Babatunde Adeniyi Osunmadewa\*, Worku Zewdie Gebrehiwot, Elmar Csaplovics, and **Olabinjo Clement Adeofun**. Spatio-temporal monitoring of vegetation phenology in the dry sub-humid region of Nigeria using time series of AVHRR NDVI and TAMSAT datasets. *Open Geosci.* 2018; 10:1–11. <https://doi.org/10.1515/geo-2018-000>
- (57) Amujo, B.T.; **Adeofun, C.O.**; Oguntoke, O.; Babalola, O.A; Towolawi, A.T.; Ojekunle, Z.O. Seasonal Variations of pH and Heavy Metals Content in Soil of Selected Housing Estates in Ogun State, Nigeria. *J. Appl. Sci. Environ. Manage.* Vol. 22 (9) 1403–1408 September 2018
- (58) L. N. Sambe, **C. O. Adeofun** and G. Dachung (2018) The Economic and Ecological Effects of Deforestation on the Nigerian Environment. *Asian Journal of Advanced Research and Reports* 1(2): 1-25, 2018; Article no.AJARR.41750
- (59) Ogunyemi, I. A., Oguntoke, O., **Adeofun, C. O.** (2018). Environmental Audit of Integrated Far Industry Settlement in Abeokuta, Ogun State, Nigeria (*Environment and Natural Resources Journal* Vol. 16, No. 1)

- (60) Ogunyemi, I. A., Oguntoke, O., **Adeofun, C. O.** (2019). Assessment of Air and Noise Pollution from Industrial Sources in Ibadan, Southwest, Nigeria. *Environmental and Natural Resources Journal Vol. 17, No. 1*)
- (61) Amujo, B.T., Towolawi, A.T, **Adeofun, C.O.**, Oguntoke,O, Babalola, O.A and Ojekunle, Z.O. (2019). Influences of seasonal variation on soil chemical contents in selected housing estates within Ogun state. *African Journal of Agriculture Technology and Environment Vol.8 (2): 24-38*
- (62) I.A. Ogunyemi, O. Oguntoke, **C.O. Adeofun** (2020). Water Level and the Potentials for Wetland Formation and Sustainability in Lower Ogun River Floodplain, Nigeria. *Journal of Applied Science and Environmental Management*. Vol. 24 (6) 1041-1044. (DOI: 10.4314/jasem.v24i6.15).
- (63) Salami, Waheed Akanni; Tayo-Badru, Mobolaji Atinuke; **Adeofun, Clement Olabinjo** and Oguntoke, Olusegun (2020). Effects of Urban Expansion on Vegetation Cover Loss in Lagos State, Nigeria. *African Journal of Science & Nature Vol. 10, 146-163 (2020)*.
- (64) Adedeji, O. H., **Adeofun, C. O.**, Tope-Ajayi, O. O., Ogunkola, M. O. (2020). SpatioTemporal Analysis Of Urban Sprawl And Land Use / Land Cover Changes In A Suburb Of Lagos And Ogun Metropolises, Nigeria (1986-2014). *Ife Journal of Science Vol. 22, No. 1 (2020)*.



## EDITED CONFERENCE PROCEEDINGS

- (65) **Adeofun, C.O.** and Ayodele, I.A. (1990): Remote Sensing and Wildlife Resources Development in Nigeria. Ed. Proc. of Forestry Association of Nigeria, Obiaga E. (ed) pp. 140-145
- (66) **Adeofun, C.O.** (1993): Remote Sensing and Lost Crop Conservation in Nigeria. University of Agriculture, Abeokuta Conference Proceedings Series Okojie, J.A. and Okali, D.U.U (eds.) pp.140-145
- (67) Folorunso, O, Adetoro, A. and **Adeofun, C. O.** (1996): Empowering indigenes of Oil producing areas for safe environment: A case study of Ilaje-Ese Odo Local Government Area of Ondo State. In 20<sup>th</sup> Annual proceedings of the International Conference of Nigeria Society of Engineers. SPE International (ed) pp.266-274
- (68) Folorunso, O., Adetoro, A. and **Adeofun, C. O.** (1996): Opportunities and Constraints for Women in Renewable Natural Resources Management. A case study of Akure Local Government Area. In Proceedings of Regional Conference of Regional Conference on Women in Environmental Management British Council/ Let's Help Humanitarian Project Owerri, Nigeria. 4<sup>th</sup> -9<sup>th</sup> March, 1996 pp. 49-61
- (69) **Adeofun, C.O.** Ufoegbune, G.C. (2003) Agro-Climatic and Hydrological Application of Remote Sensing. Regional Conference Proceedings of the Nigerian Meteorological Society. Gbuyiro, S.O. and Muyiolu, S.K. (eds) pp 79 - 87
- (70) Igbozulike, S. and **Adeofun, C.O.** (2003) Climatic Change, Environmental Management and Food Security: Regional Conference Proceedings of the Nigerian Meteorological Society. Gbuyiro, S.O. and Muyiolu, S.K. (eds) pp 54 – 61
- (71) **Adeofun, C.O** and Agbede, O.T. (2004): Impacts of Desertification and Soil Erosion on Environment. Edited Proceedings of Environmental and Behaviour Association of Nigeria, Adekunle, V., Okoko, E and Adetunla, S. (eds) pp. 78-88
- (72) **Adeofun C.O,** Ologun, A.A, Taiwo O.Q (2006) .The Role of Geographic Information System in Tourism Development in Nigeria. 9<sup>TH</sup> Annual International Conference on Geographic Information Science, Technology and applications MAP-INDIA 2006. (www.mapindia.org)
- (73) Ologun, J.A.A., **Adeofun, C.O.** and Hyepalmduwa, Y. (2006) Application of Satellite data and Geographic Information System for Monitoring Urban Growth – A case study of Jos, Ed. Proc. of Environmental and Behaviour Association of Nigeria. Chokor, P.C. (ed) pp. 118-125
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- (75) Ibrahim S. B., Afolami C. A., Ayinde I. A. and **Adeofun C. O.** (2011). Modelling Arable Crop Farmers' Decisions on Climate Change and Adaptation Strategies: A Multinomial Logit Analysis in Ogun State, *Proceedings of the Environmental Management Conference*, Federal University of Agriculture, Abeokuta, Nigeria, 12-15 September, pp 33-52

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## **16. RELEVANT ACTIVITIES OUTSIDE CURRENT EMPLOYMENT**

1. Invitation as Chairman of Accreditation Team to over 20 Universities by National Universities Commission (NUC) from 2008 till date
2. External Examiners in about 16 Universities all over Nigeria including South Africa and Germany.
3. Adjunct/Visiting Professor in local and foreign Universities and International Centres
4. Professorial Assessor for many Universities at home and abroad
5. Remote Sensing G.I.S. Resource Person on the National Environmental Project on Vegetation and Land Use Map of Nigeria
6. Editorial Board Member of many local and international journals in the area of Remote Sensing and Environmental Management

## **17. MAJOR PROFESSIONAL ACHIEVEMENTS, CONTRIBUTIONS AND AWARD**

1. Lecturer of the Year Award FUNAAB (2009)
2. Award of Outstanding Performance as National President of EBAN (2012)
3. Commendation for Excellent Performance by the National Centre for Remote Sensing, National Space, Research and Development Agency (NASRDA) 2011
4. Fellow, Forestry Association of Nigeria (FAN) 2018
5. Award of a distinguished Space Forestry Ambassador (2020)
6. Letter of Commendation for Outstanding Performance as Deputy Vice-Chancellor (Development) FUNAAB (2021)

7. Award of Excellent services as Member, Governing Council Federal University of Abeokuta (2021)

Agriculture,

**Name: ADEOFUN, Clement Olabinjo**

**Professor of Environmental Remote Sensing**

**CONTRIBUTION TO KNOWLEDGE**

I have since 1991 been working in the field of Environmental Management. The accent of my research has been in **Environmental Remote Sensing and Geographical System (GIS)** applications in solving critical environmental problems. Most recently I participated in a United Nation's Sponsored Workshop on the applications of Global Navigation Satellite Technologies in Sub-Saharan, Africa.

Some of the major environmental problems and challenges in Nigeria include deforestation, desertification, gully erosion/land degradation, poor urban planning, biodiversity loss and the problem of solid waste management especially in major cities. Solution to these problems has been the accent of my research over the past decade. I assessed deforestation in the lowland area of South Western Nigeria using remote sensing technique and I found that the average annual rate of deforestation in this region is 3.29%. I also determined the **forest degradation** pattern using multirate satellite data and its implication for forest regeneration in the region. I have also successfully identified and monitored deforestation factors and proffering options for its control and management.

The environment is facing potential threat from unsustainable waste disposal practices prevailing in our major urban centre. I have demonstrated the capability of remote sensing and GIS for the selection of the most suitable site for the solid waste landfill facility in Jos city. The study also formed the basis for **environmental resources planning** especially in site selection for public utilities in the states.

For any nation to develop the environmental resources must be well annexed and to achieve this, the location, quality and type of resources must be known. I have contributed significantly in using remotely sensed data and technology in

- (i) Mapping Kiigom Molybdenite deposit in North Central Nigeria
- (ii) Mapping potential areas of groundwater in the Basement Complex rocks of Jos Plateau
- (iii) Geological mapping of part of Plateau state of Nigeria
- (iv) Assessing Mineral Potential of Rafin-Gabbas, North central, Nigeria

I have worked extensively on the improvement of **Agricultural Production in Nigeria** using the technique of satellite technology. I have developed a land suitability index for rice production in Benue state of Nigeria using remote sensing and GIS. The result derived has been of immense assistance to local farmers within the state. I have also identified potential lost crops of significance in order to achieve **food security** in the country.

I have participated in the study of predictive modeling of urinary Schistosomiasis and a preliminary study on temporal variation in biting activity of *Simulium damnosum* in Ogun state using remotely-sensed environmental data. The risk maps provided the state health official with information required for the delineation of the areas for intervention and the assessment of population at risk.

My contributions to knowledge in the area of **land use/land cover changes and population dynamics** as it affects environmental degradation has been of immense benefits in terms of providing quantitative and qualitative base line data for environmental management in Buruku, Ibadan, Jos and Abeokuta.

Lack of proper planning in our urban centers has led to several environmental problems and its attendant consequences such as erosion, flooding, etc. I have successfully applied remote sensing and GIS techniques to **urban planning** in Jos metropolis by assessing the rate of urban growth over time and in Abeokuta by assessing urban encroachment of Ogun river bank protection zone (RPZ). This study determines the stability of the Ogun RPZ since 1964, estimate the annual rate of intrusion and finally recommend to Ogun State Environmental Protection Agency (OGEPA) a GIS-based solution that will aid in forestalling continued uncontrolled infringement.

Development activities/projects are the major factors in environmental pollution/degradation and hence the need to carry out Environmental Impact Assessment (E.I.A) before executing any development activity. The importance of E.I.A. in environmental management therefore cannot be over-emphasized. In recent years, I have focused my research on the **Environmental Impact Assessment** of major development activities using remote sensing and GIS methodologies. Specifically, I carried out E.I.A of sound dredging and land reclamation in some parts of Lagos, E.I.A of G.S.M base stations in Abeokuta and Environmental Sensitivity Impact Analysis (E.S.I.A) of petroleum products distribution through sub-surface pipelines in Lagos.

My major contributions to knowledge from these studies is the fact that I was able to predict impacts more accurately and more locations-specific.

My modest contribution to knowledge in the area of **Human Health and Environmental risk Assessment** include the identification of major weather-related respiratory diseases in humid forest and derived savanna eco-climatic zones of Nigeria; and the fact that variation in weather parameters and thermal indices influence the occurrence of malaria in Ondo state of Nigeria.

Water is life, so they say. I have carried out extensive studies on **water resources availability, quality, sources and harvesting**. I have used satellite data to monitor the sources of Lake Chad, and assess changes in its aerial extent. I have also carried out a hydro-geological characteristics and groundwater quality assessment in selected communities in Abeokuta and also rainwater harvesting assessment. The results from these studies have contributed significantly to overall water resources management for agricultural, industrial and domestic purpose in Nigeria and Abeokuta in particular.

I have contributed significantly to knowledge in the area of **biodiversity/habitat mapping and ecosystem management**. Using remote sensing and GIS, I assess the urban wildlife habitat potentiality of Mussorie Dehrandum, India and the study revealed that 68% of the total area shows a high degree of habitat potentiality. Also with the aid of satellite data, I assessed the rate of wetland ecosystem loss in Lagos coastal area and found out that the rate of loss is 1.8% which by implication means that the wetland in the area will go into extinction in the next fifty years. I have also assessed **human perturbation** of the Nigerian terrestrial ecosystem using GIS and remote sensing techniques. The study revealed that 0.94% of the country's landmass is undistributed and the calculated habitat index of 3.94 indicated a high dominance of man in Nigerian ecosystems which could be consequential to the environment.

I have worked on the **predictive modeling for desertification** early warning in the North Eastern part of Nigeria, using remote sensing and GIS approach. The significance of this study to national development attracted the support and funding from the national Space Research and Development Agency.



