

**2018 PROMOTION FROM SENIOR LECTURER TO ASSOCIATE PROFESSOR
CURRICULUM VITAE**

- I. (a) Name (underline Surname): Olalekan John Taiwo
 (b) Date of Birth: 19th March, 1970
 (c) Department: Geography
 (d) Faculty: The Social Sciences
- II (a) First Academic Appointment: Assistant Lecturer (11 November, 2004)
 (b) Present Post (with date): Senior Lecturer (1 October, 2015)
 (c) Date of Last Promotion: 1 October, 2015
 (d) Date Last Considered (in cases where promotion was not through): NIL

- III University Education (with dates)
 (a) University of Ibadan, Ibadan, 1988 – 1992.
 (b) University of Ibadan, Ibadan, 1994 -1996.
 (c) University of Ibadan, Ibadan, 1996 – 1998.
 (d) University of Ibadan, Ibadan, 2004 – 2010.

- IV Academic Qualifications (with dates and granting bodies)
 (a) B.Sc. (Geography), September, 1991. University of Ibadan, Ibadan.
 (b) M.Sc. (Geography), September 1996. University of Ibadan, Ibadan.
 (c) M.Sc. (Geographic Information Systems), September 1998. University of Ibadan, Ibadan.
 (d) Ph.D. (Geography), March, 2010. University of Ibadan, Ibadan.

- V Professional Qualifications and Diplomas (with dates)
 NIL

- VI Scholarships, Fellowships and Prizes (with dates) in respect of Undergraduate and Postgraduate work only
 NIL

- VII Honours, Distinctions and Membership of Learned Societies
 (a) Member, Association of Nigerian Geographers
 (b) Member, American Wetland Society
 (c) Africa Association of Remote Sensing of Environment
 (d) International Geographic Union (Urban Commission)
 (e) Affiliate Member IEEE Geoscience and Remote Sensing Society

- VIII Details of Teaching / Working Experience
 Number of Years of Teaching at the University Level: 15 years

(a) *Courses taught at Undergraduate Level to date*

Course Code	Course Title	Units	Session
GEO 111	Physical Geography	3	2004, 2005, 2006, 2007, 2008, 2009
GEO 211	Introduction to Physical Environment	4	2008

GEO 301	Introduction to Geographic Information Systems	3	2009/2010, 2010/2011, 2012/2013, 2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018
GEO 481	Introduction to Remote Sensing	3	2014/2015, 2015/2016, 2016/2017, 2017/2018

(b) *Courses taught at Postgraduate Level to date*

Course Code	Course Title	Units	Session
GIS 710	Elements of GIS	3	2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018
GIS 712	Data Structure and Algorithm	3	2004/2005 session till 2010/2011
GIS 720	Application Issues in GIS	3	2004/2005 session till 2010/2011 and 2012/2013 session till date
GIS 730	Spatial Statistics	3	2006-2011
GIS 783	GIS System I	4	2004 till date
GIS 784	GIS System II	4	2004 -2011
GIS 771	GIS in Environmental and Natural Resources Management	3	2004- 2011
GIS 772	GIS in Management and Planning	3	2004 – 2011
GEO 783	Computer Techniques in Geographical Investigation	3	2010/2011, 2012/2013,2013/2014, 2014/2015, 2015/2016, 2016/2017, 2017/2018

(c) *Other Related Experience*

i. Student Supervision

- a. Number of completed B.Sc. Supervision till date 42
- b. Number of completed M.Sc. Geographic Information Supervision till date 68
- c. Number of completed M.Sc. Geography Supervision till date 30

ii. Administrative Responsibilities

- a. Programme coordinator: Geographic Information Systems, Department of Geography (since 2007-2015),
- b. Member, Energy Committee, University of Ibadan.
- c. Member, faculty sanitation committee 2010/2012
- d. Faculty representative on the board of the Africa Regional Centre for Information Science (2014 till date)
- e. Member, Faculty computer committee 2014 till date
- f. Departmental Postgraduate Coordinator (2015-2018)
- g. Sub-Dean Postgraduate, Faculty of the Social Sciences (August 2018- July 2019)
- h. Acting Head, Department of Geography (August 2019 till Date)

IX Research

(a) **Completed**

- i. Inland habitat environmental sensitivity index (ESI) mapping and modelling using Geographic Information Systems (GIS) (Paper No: 2, 3, 4 and 7).
- ii. Geographic analysis of wetland forest vegetation loss and degradation (Paper No: 5).
- iii. Distribution and pattern of health care facilities need and provision (Paper No: 6).
- iv. Local adjustment to climate change in urban areas (Paper No: 10).

(b) **In progress**

- i. Urban agriculture and land use dynamics- This study represents an attempt at comprehensively assessing the influence of land use diversities on urban agriculture most especially in developing countries where it is becoming a part of the major strategy aimed at addressing rampant poverty and unemployment. It addresses the question of whether variations exist in the factors that affect urban agricultural production across different land use gradient in cities. The data collection is completed, while data analysis is ongoing.
- ii. Geostatistical analysis of land use/ land cover change-The goal of the study is the use of geostatistical analytical technique to investigate the linkage between land use/land cover changes and population growth between 1990 and 2014 with a view to determine whether the land use/land cover changes can be correlated with the population density changes over space. This study is at the level of satellite image acquisition and processing.
- iii. The politics of urban growth dynamics- This on-going paper looks at urban dynamics across different political dispensation using Osun State as test case. It aims at detecting different urbanization phases in the state during different political administration using patch analysis methods. It is an attempt to draw attention to the importance of political dispensation and political ideology as cogent drivers of urban growth dynamics. The draft of the paper is ready.

(c) **Project, Dissertation and Thesis**

- i. Ph.D. Thesis: Spatio-Temporal Correlates of Wetland Loss in Lagos State, Nigeria. Unpublished Ph.D. Thesis, Department of Geography, University of Ibadan (2010).

X Publications

(a) **Books already published:**

Nil

(b) **Chapters in Books already published**

1. Gbadegesin A.S. and **O. J. Taiwo** (2008). Port Development and the Environment. In: Oyesiku O.O and K.T. Gbadamosi (Eds.): *Port Administration and Development in Nigeria*. Ibadan: HEBN Publishers PLC Chapter 12, pp177-193. ISBN: 978-978-081-044 (Nigeria) (Contribution: 50%).

(c) **Articles that have already appeared in Refereed Conference Proceedings**

2. Erharuyi, N., Fairbairn, D. and **Taiwo, O. J.** (2003). Mobile Handling of Environmental Sensitivity Index (ESI) Dataset. *Proceedings of the Coast GIS2003 Conference*, Genoa, Italy. <http://www.gisig.it/coastgis/papers/erharuy.pdf> (Contribution 50%).
3. **Taiwo, O.J** (2003). Reviving the Old Data; The Spatial Environmental Database Approach. *Proceedings of the Map India 2003 Held Between January 28 and 31, 2003 at New Delhi India*. <http://www.gisdevelopment.net/technology/gis/mi03137.htm> (India) (Contribution: 100%).
4. **Taiwo, O. J** and Areola, O. (2007). Inland Habitat Environmental Sensitivity Index Mapping and Modelling Using Geographic Information Systems and Remote Sensing Technology. *Proceedings of the International Conference on Adaptive Science & Technology* held from December 10-12 in Accra, Ghana. Pp 188-195 (Ghana) (Contribution: 75%).
5. **Taiwo, O. J.** and O. Areola, (2009). A Spatial Temporal Analysis of Wetland Losses in the Lagos Coastal Region, South Western Nigeria, Using Multi-Date Satellite Imagery. *Geoscience and Remote Sensing Symposium, IEEE International, IGARSS 2009*, Vol. 3:928 – 930. (United State of America) (Contribution: 75%).
6. Abutaleb, K., **Taiwo, O. J.**, Ahmed. F. and Ngie, A. (2013). Modelling Urban change Using Cellular Automata: The Case Study of Johannesburg, South Africa. *Proceedings of the International Geographic Union, Urban Geography Commission vol 64*. (South Africa) (Contribution:40%)
7. Ngie, A., Abutaleb, K., Ahmed, F. and **Taiwo, O.J** (2013). Spatial Modelling of urban Change using Satellite Remote Sensing. *Life in a Changing Urban Landscape 1,3. Proceedings of the International Geographic Union, Urban Geography Commission vol 64*. (South Africa) (Contribution:40%)
8. **Taiwo, O. J.**, Abu-Taleb, K. A., Ngie, A., and Ahmed, F. (2014). Effects of political dispensations on the pattern of urban expansion in the Osogbo metropolis, Osun State, Nigeria. In *Proceedings of the 10th International Conference of AARSE* (Vol. 242). (South Africa) (Contribution:50%)

(d) Patents and Copyrights:

NIL

(e) Articles that have already appeared in learned journals

9. **Taiwo, O. J.** (2007). Distribution and Pattern of Health Care Facility Need and Provision in Lagos State, Nigeria. *African Journal for the Psychological Study of Social Issues*, Vol. 10. No. 22: 208-217. (Nigeria) (Contribution: 100%).
10. Agbeja, B.O and **Taiwo, O. J.** (2010). Impacts of Abandoned Gebu Forest Escarpment Reserve in Kogi State of Nigeria on Climate Change: Need for Forest Institutional Measures. *Nigerian Journal of Ecology*, Vol. 11: 20-28. (Nigeria) (Contribution: 50%).
11. **Taiwo, O. J.** (2010). Analytical Hierarchical Process of Soil Erosion Risk Assessment in Ondo State, Nigeria. *Journal of Science Research*, Vol. 9: 42-51. (Nigeria) (Contribution: 100%).

12. **Taiwo, O. J.** (2010). Remote Sensing Analysis of the Spatio-Temporal Growth of Ibadan City between 1984 and 2006. *Ibadan Journal of the Social Sciences (IJSS)*, Vol. 8. No. 1: 75-90. (Nigeria) (Contribution:100%).
- *13 **Taiwo, O. J.**, Olaniran, H. D. and Osayomi, T. (2012). Perceived Causes, Exposures and Adjustments to Seasonal Heat in Different Residential Areas in Ibadan, Nigeria. *The Environmentalist*. Vol. 32. No. 4: 405-414. (United State of America) (Contribution: 40%).
- *14 Akinyemi, Y.C, **Taiwo, O. J.** Osayomi, T. and Olaniran, H. D. (2012). Effects of Land Use, Time of Day and Vehicle Types on Seat Belt Use in Lagos, Nigeria. *Ibadan Journal of the Social Sciences (IJSS)*, Vol. 10. No. 2: 112-117. (Nigeria) (Contribution: 40%).
- *15 Oke, O. A., Adelaja, B. A. Emuh, C. N. and **Taiwo, O. J.** (2012). Establishment of the Moth: *Niphograpta albiguttalis* (Warner) (Lepidoptera: Pyralidae), a Biological Control Agent of Water Hyacinth (*Eichhornia crassipes*) in Waterways of Lagos and Ogun States, South Western Nigeria. *International Journal of Environmental Studies*, Vol. 69. No.3: 501-506. (United State of America) (Contribution: 25%).
- *16 Agbola, B. S., Ajayi, O., **Taiwo, O. J.**, and Wahab, B. W. (2012). The August 2011 Flood in Ibadan, Nigeria: Anthropogenic Causes and Consequences. *International Journal of Disaster Risk Science*, Vol. 3. No. 4: 207-217. (United State of America) (Contribution: 50%).
- *17 **Taiwo, O. J.** (2013). Farmers' Choice of Wetland Agriculture: Checking Wetland Loss and Degradation in Lagos State, Nigeria. *GeoJournal*, Vol. 78. No.1: 103-115. (The Netherlands) (Contribution: 100%).
- *18 **Taiwo, O. J.** (2014). Determinants of Peri-Urban and Urban Agricultural Locational Choice Behaviour in Lagos, Nigeria. *Land Use Policy* Vol. 39: 320-330. (United State of America) (Contribution: 100%).
- 19 Rukewe, A., **Taiwo, O. J.**, Fatiregun, A. A., Afuwape, O. O., and Alonge, T. O. (2014). Geographic Information Systems in Determining Road Traffic Crash Analysis in Ibadan, Nigeria. *Journal of the West African College of Surgeons*. Vol.4. No.3: 20-34. (Nigeria) (Contribution:50%).
- 20 Olugasa, B.O., Dogba, J.B., Ogunro, B., Odigie, E.A., Nykoi, J., Ojo, J.F., **Taiwo, O. J.**, Kamara, A., Mulbah, C.K., and Fasunla, A.J., (2014). The Rubber Plantation Environment and Lassa Fever Epidemics in Liberia, 2008–2012: A Spatial Regression. *Spatial and Spatio-Temporal Epidemiology*. Vol. 11: 163-174. (United State of America) (Contribution: 25%)
- 21 **Taiwo, O. J.** (2014). Are Wetland Threats Synonymous with Environmental Problems? Analysis of Threats to Coastal and Inland Wetlands Environment in Nigeria. *Ibadan Planning Journal*. Vol. 3. No. 1: 57-84. (Nigeria) (Contribution:100%).
- 22 **Taiwo, O.J** and Ahmed, F. (2015). Geographical Analysis of Voter Apathy in Presidential Elections Between 1999 and 2011 in Nigeria. *African Geographical Review*. Vol. 34. No. 3: 250-268. (South Africa) (Contribution: 80%).
- 23 Oguntoke, O., Olatinwo M., and **Taiwo O.J.** (2015). Spatial Association Between Environmental Noise Levels and Occurrence of Children Hearing Impairments in Ibadan Metropolis, Nigeria. *Applied Environmental Research*. Vol. 37. No. 3: 79-89. (United State of America) (Contribution: 40%)
- 24 Adeola, A. M., Botai, O. J., Olwoch, J. M., Rautenbach, C. D. W., Adisa, O. M., **Taiwo, O. J.**, and Kalumba, A. M. (2016). Environmental Factors and Population at Risk of Malaria in Nkomazi Municipality, South Africa. *Tropical Medicine and*

- International Health*. Vol. 21. No. 5: 675-686. (United State of America) (Contribution: 30%).
- 25 **Taiwo, O. J.** (2017). Analysis of Urban Agricultural Characteristics along Land Use Gradient in Lagos State, Nigeria. *Ife Research Publications in Geography*. Vol. 14. No. 1: 1-16. (Nigeria) (Contribution:100%).
 - 26 Oshunsanya, S. O., Oluwasemire, K. O., and **Taiwo, O. J.** (2017). Use of GIS to Delineate Site-Specific Management Zone for Precision Agriculture. *Communications in Soil Science and Plant Analysis*. Vol. 48. No. 5: 565-575. (United State of America) (Contribution: 40%).
 - 27 Lilford, R., **Taiwo, O. J.**, and de Albuquerque, J. P. (2018). Characterisation of Urban Spaces from Space: Going Beyond the Urban Versus Rural Dichotomy. *The Lancet Public Health*. Vol. 3. No. 2: e61-e62. (United State of America) (Contribution: 50%).
 - 28 **Taiwo, O. J.** (2018). Urban Growth During Civilian and Military Administrations in Osogbo, Nigeria. *Indonesian Journal of Geography*. Vol. 50. No. 1: 1-10. (United State of America) (Contribution: 100%).
 - 29 Bessah, E., Raji, A. O., **Taiwo, O. J.**, Agodzo, S. K., and Ololade, O. O. (2018). Variable Resolution Modelling of Near Future Mean Temperature Changes in the Dry Sub-Humid Region of Ghana. *Modeling Earth Systems and Environment*. Vol. 4. No.3: 919-933. (United State of America) (Contribution: 30%).
 - 30 Bessah, E., Raji, A. O., **Taiwo, O. J.**, Agodzo, S. K., and Ololade, O. O. (2019). The Impact of Varying Spatial Resolution of Climate Models on Future Rainfall Simulations in the Pra River Basin (Ghana). *Journal of Water and Climate Change*. Vol. No. : (United State of America) (Contribution: 30%).
 - 31 Bessah, E., Raji, A. O., **Taiwo, O. J.**, Agodzo, S. K., and Ololade, O. O. Strapasson, A. (2020). Hydrological Responses to Climate and Land Use Changes: The Paradox of Regional and Local Climate Effect in the Pra River Basin of Ghana. *Journal of Hydrology: Regional Studies*. Vol. No.27 : (United State of America) (Contribution: 30%).
 - 32 Rutebuka, E., Olorunnisola, A. O., **Taiwo, O. J.**, Mwaru, F., Asamoah, E. F., and Rukundo, E. (2019). Quantitative Review of Ecosystem Services and Disservices Studies in the Tropics. *Open Journal of Ecology*. Vol. 9: 85-106. (United State of America) (Contribution: 25%).
 - 33 **Taiwo, O. J.** (2019). An Exploratory Spatial Analysis of Household Size From 2006 to 2010 In Nigeria. *African Journal for the Psychological Studies of Social Issues*, Vol.22 (3), 108-124. (Nigeria) (Contribution: 100%).

(f) Books, Chapters in Books and Articles already accepted for publication

NIL

(g) Technical Reports and Monographs

NIL

XI Major Conferences Attended with Papers Read (in the last 5 years)

- West Africa Land Use / Land Cover Dissemination and Learning Workshop Event organised by the Permanent Inter-State Committee for Drought Control in the Sahel (CILSS) and USAID/West Africa held in Accra, Ghana between September 27-28, 2017.

- Regional Conference on Understanding Risk (UR) West and Central Africa – “Human Capital and Innovation for a Resilient Society” held from 20 to 22 November 2019 in Abidjan (Ivory Coast).
- **Taiwo, O. J.**, Abu-Taleb, K. A., Ngie, A., and Ahmed, F. (2014). Effects of political dispensations on the pattern of urban expansion in the Osogbo metropolis, Osun State, Nigeria. *10th International Conference of African Association of Remote Sensing of Environment*.
- **Taiwo O. J** (2014): An Exploratory Spatial Analysis of Household Size in Nigeria Between 2006 and 2010”. Society of South African Geographers 10th Annual Conference held at East London, South Africa between 22nd and 27th June 2014.
- **Taiwo O. J.**, Olumoyegun J.M, Omotosho O.M (2018) Spatio-temporal Pattern of Armed robberies in Ondo State, Nigeria. 54th Annual Conference of the Association of Nigerian Geographers (ANG) held in Ibadan between 2nd and 7th October, 2018.

XII Ten Best Publications that Reflect the Totality of my Contributions to Scholarship

- 1) **Taiwo, O. J.** (2007). Distribution and Pattern of Health Care Facility Need and Provision in Lagos State, Nigeria. *African Journal for the Psychological Study of Social Issues*, Vol. 10. No. 22: 208-217. (Nigeria) (Contribution: 100%).
- 2) **Taiwo, O. J.** (2010). Remote Sensing Analysis of the Spatio-Temporal Growth of Ibadan City between 1984 and 2006. *Ibadan Journal of the Social Sciences (IJSS)*, Vol. 8. No. 1: 75-90. (Nigeria) (Contribution:100%).
- 3) Agbola, B. S., Ajayi, O., **Taiwo, O. J.**, and Wahab, B. W. (2012). The August 2011 Flood in Ibadan, Nigeria: Anthropogenic Causes and Consequences. *International Journal of Disaster Risk Science*, Vol. 3. No. 4: 207-217. (United State of America) (Contribution: 40%).
- 4) **Taiwo, O. J.** (2013). Farmers’ Choice of Wetland Agriculture: Checking Wetland Loss and Degradation in Lagos State, Nigeria. *GeoJournal*, Vol. 78. No.1: 103-115. (The Netherlands) (Contribution: 100%).
- 5) **Taiwo, O. J.** (2014). Determinants of Peri-Urban and Urban Agricultural Locational Choice Behaviour in Lagos, Nigeria. *Land Use Policy* Vol. 39: 320-330. (United State of America) (Contribution: 100%)
- 6) Olugasa, B.O., Dogba, J.B., Ogunro, B., Odigie, E.A., Nykoi, J., Ojo, J.F., **Taiwo, O. J.**, Kamara, A., Mulbah, C.K., and Fasunla, A.J., (2014). The Rubber Plantation Environment and Lassa Fever Epidemics in Liberia, 2008–2012: A Spatial Regression. *Spatial and Spatio-Temporal Epidemiology*. Vol. 11: 163-174. (United State of America) (Contribution: 20%)
- 7) **Taiwo, O. J.** (2014). Are Wetland Threats Synonymous with Environmental Problems? Analysis of Threats to Coastal and Inland Wetlands Environment in Nigeria. *Ibadan Planning Journal*. Vol. 3. No. 1: 57-84. (Nigeria) (Contribution:100%).
- 8) **Taiwo, O.J** and Ahmed, F. (2015). Geographical Analysis of Voter Apathy in Presidential Elections Between 1999 and 2011 in Nigeria. *African Geographical Review*. Vol. 34. No. 3: 250-268. (South Africa) (Contribution: 80%).
- 9) Lilford, R., **Taiwo, O. J.**, and de Albuquerque, J. P. (2018). Characterisation of Urban Spaces from Space: Going Beyond the Urban Versus Rural Dichotomy. *The Lancet Public Health*. Vol. 3. No. 2: e61-e62. (United State of America) (Contribution: 50%).
- 10) **Taiwo, O. J.** (2018). Urban Growth During Civilian and Military Administrations in Osogbo, Nigeria. *Indonesian Journal of Geography*. Vol. 50. No. 1: 1-10. (United State of America) (Contribution: 100%).

Olalekan J. Taiwo
04 November, 2019