

PROFILE OF ACADEMIC STAFF- EMT: PROF. OGUNTOKE OLUSEGUN

1. Brief Biography:

OGUNTOKE, Olusegun is a Professor of Environment and Health Geography in the Department of Environmental Management and Toxicology, Federal University of Agriculture, Abeokuta. He holds a Ph.D. in Medical Geography from the University of Ibadan, Nigeria (2002). He had his Post-Doctoral training at the University of Johannesburg, South Africa from 2011–2014, He was Head of Department (2014–2016) and Deputy Dean (2017–2019). His research thrust is environmental quality assessment and human health. He has successfully supervised 7 Ph.D. and 15 MSc. candidates. He was appointed a full Professor of Environment and Health Geography in 2020. He has taught full-time for more than 20 years. His research focus includes Environmental Health, Spatial Epidemiology, Environmental Impact Assessment, Air and Noise studies, Solid Waste Management, and Environmental Policy.

2. Passport-sized Photograph:



3. Personal Information

- (i) Name in Full: OGUNTOKE Olusegun
- (ii) Sex: Male
- (iii) Marital Status: Married
- (iv) Nationality: Nigerian
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4. Department: Environmental Management and Toxicology

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7. Rank: Professor

8. Designation: Lecturer/Researcher

9. Researchgate address: <https://www.researchgate.net/profile/Olusegun-Oguntoke>

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11. Google Scholar Profile: https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=oguntoke+O&b

12. ORCID Number: orcid.org/0000-0003-2079-4672

13. Qualification: PhD

14. Membership of Professional Bodies

(i) Association of Nigerian Geographers

(ii) Meteorological Society of Nigeria

(iii) Environment and Behaviour Association of Nigeria

(vi) National Association for Clean Air (South Africa)

15. Award Received

Awardee of Council for Development of Economic and Social Sciences

Research in Africa (CODESRIA Senegal) grant for Ph.D. Thesis Writing in 1999

16. Research Conducted

- Soundscape mapping and impact on auditory health and conservation measures among occupation groups in Nigeria
- Trends of climate change, People's perception and assessment of impact on human health, crop production, preparedness and adaptation strategies
- Ambient and indoor air quality assessment in rural and urban environments, and the influence of specific respiratory diseases in parts of Nigeria
- Environmental Impact Assessment of Biofuel production and utilization in southwest Nigeria

17. Conferences Attended

- The XIIth International Symposium in Medical Geography (Changing Geographies of Public Health) 9–13, July 2007 held at University of Bonn, Germany.
- The International Conference on Research and Development (ICRD), held in 2008 at the University of Legon, Ghana, West Africa.
- International Union of Air Pollution Prevention and Environmental Protection Associations (IUAPPA) Congress held at Cape Town (South Africa) from 29th Sept. –4th Oct. 2013
- The 3rd International Conference on Integrated Environmental Management for Sustainable Development - ICIEM (May 2–5, 2018), Sousse, Tunisia.
- The International Medical Geology Association (IMGA-Nigeria) held at the University of Agriculture Abeokuta, Nigeria, 2019.
- Second Annual Regional Conference of the Association of Nigerian Geographers, Southwest Zone (SWANG) held at Tai Solarin University of Education, Ijagun, Ijebu-Ode, Nigeria, 2023.

18. Publications

(1) Adekunle, I. M., **Oguntoke, O.**, Akinyemi M. F. (2004): Processing technique and atmospheric

exposure of smoked fish on consumer health: Implications on food security. *FAMAN Journal*, 7(1): 76–85. Published by Farm Management Association of Nigeria.

(2) Akinyemi, A. A., **Oguntoke, O.** and Opeolu, B. O. (2005): Inherent health implication of smoke from Fish curing on the well-being of fish-processors in Abeokuta, Nigeria. *Environmental Management Journal*, 2(1): 26–29. Published by Nigerian Society for Environmental Management.

(3) Opeolu, B.O. and **Oguntoke, O.** (2005): Evaluation of dyeing and print effluent and its acute toxicity on fish (*Oreochromis niloticus*) by bioassay. *Int. Journal of Agriculture and Environment - ASSET Series A4 5* (1): 179–186.

(4) **Oguntoke, O.** and Adeyemo, V. (2005): Urban housing quality and the morbidity pattern of tuberculosis in Abeokuta, South-west Nigeria. *Environmental Management Journal*, 2(1): 18–25. Published by Nigerian Society for Environmental Management.

(5) Ufoegbune, G. C., **Oguntoke, O.**, Adeofun, C. O. and Salako, A. (2008): Remote Sensing Techniques applied to the study of time-related changes in the land-use of Abeokuta and environs, South-western Nigeria. *Int. Journal of Agriculture and Environment -ASSET Series A8* (2): 98–109.

(6) **Oguntoke, O.** and Yussuf, A. S. (2008): Air pollution arising from vehicle emissions and the associated human health problems in Abeokuta metropolis, Nigeria. *Int. Journal of Agriculture and Environment - ASSET Series A 8* (2): 119–132.

^f(7) **Oguntoke, O.**, Aboaba, A. and Gbadebo, T. A. (2009): Impact of granite quarrying on the health of workers and nearby residents in Abeokuta, Ogun State, Nigeria. *Ethiopian Journal of Environmental Studies and Management* 2(1): 1–11. Published by the Department of Geography, Bahirda University, Ethiopia.

^f(8) **Oguntoke, O.**, Muili, T. H. and Bankole, M. O. (2009): Morbidity pattern of pulmonary tuberculosis and housing quality in Lagos metropolis, Nigeria. *International Journal of Risk Assessment and Management*, 13(2): 115–126. Published by InderScience, official Journal of Environmental Management Association, USA.

(9) Omonijo, A. G. and **Oguntoke, O.** (2009): Incidence and modulating effects of weather parameters on bronchial asthma and lobar pneumonia diseases in humid forest zones of Nigeria. *Journal of Meteorology and Climate Sciences*, 7(2): 1–7. Published by the Nigerian Meteorological Society.

^f(10) **Oguntoke, O.**, Aboderin, O. J. and Bankole, M. O. (2009): Association of water-borne diseases morbidity pattern and water quality in parts of Ibadan city, Nigeria. *Tanzania Journal of Health Research*, 11(4): 189–195. Published by the Tanzania Health Research Association.

^f(11) Ogunjimi, A. A., Ojo, L. O., Onadeko, S. A. and **Oguntoke, O.** (2009). An appraisal of environmental interpretive policies and strategies of Nigeria National Parks. *International Journal of Tropical Research and Extension*, 12(1): 7 – 12. Published by the Faculty of Agriculture, University of Ruhuna, Sri-Lanka.

^f(12) Orebiyi, E. O., Awomeso, J. A., Idowu, A. O., Martins, O., **Oguntoke, O.** and Taiwo, A. M. (2010). Assessment of pollution hazards of shallow well-water in Abeokuta and Environs, Southwest, Nigeria. *American Journal of Environmental Sciences* 6(1): 50–56. Published by Science Publications, USA.

- ^f (13) **Oguntoke, O.**, Ojo, M. O., Ojo, D. A. and Adekunle, I. M. (2010). Pond water quality and Cyclops population in Dracunculiasis endemic areas of Ogun State, Nigeria. *Journal of Environmental Science and Engineering*, 4(5): 22–27. Published by David Publishing, USA.
- ^f (14) **Oguntoke, O.**, Opeolu, B. O. and Babatunde, N. L. (2010). Indoor air pollution and associated health risks among rural dwellers in Odeda Area, South-western Nigeria. *Ethiopian Journal of Environmental Studies and Management*, 3(2): 39–46. Published by the Department of Geography, Bahirda University, Ethiopia.
- ^f (15) Adekunle, I. M., Ogundele, J. A., **Oguntoke, O.** and Akinloye, O. A. (2010). Assessment of blood and urine lead levels of some pregnant women residing in Lagos, Nigeria. *Environmental Monitoring and Assessment*, 170(1-4): 467–474. Published by Springer Publisher, Netherlands.
- (16) **Oguntoke, O.** and Keshinro, F. F. (2010). Quality of harvested rainwater and the associated health risks in Imeko community, South-western Nigeria. *Aquafield* 6: 77–86. Published by the Multidisciplinary Aquatic Study Team, Nigeria.
- ^f (17) Omonijo, A. G., **Oguntoke, O.**, Matzarakis, A. and Adeofun, C. O. (2011). A study of weather-related respiratory diseases in eco-climatic zones in Nigeria. *African Physical Review* 5:41–56. Published by the Abdus-Salam International Centre for Theoretical Physics, Trieste University, Italy.
- ^f (18) Adeleke, M. A., Bamgbose, J. T., **Oguntoke, O.**, Itua, E. O. and Bamgbose, O. (2011) Assessment of health impacts of vehicular pollution on occupationally exposed people in Lagos metropolis, Nigeria. *Journal of Trace elements and Electrolytes*, 28(2): 128–133. Published by the Society of Magnesium Research", Dustri-Verlag, Germany.
- ^f (19) 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. *International Journal of Biometeorology*, 56(5):873–885. Published by Springer, USA.
- ^f (20) 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. Published by David Publishing, USA.
- ^f (21) **Oguntoke, O.**, Omonijo, A. G. and Annegarn, J. H. (2012). Influence of meteorology parameters on pulmonary tuberculosis morbidity in two eco-climatic zones in Nigeria. *African Journal of Health Sciences*, 20(1-2): 69–77. Published by Kenya Medical Research Institute.
- ^f (22) **Oguntoke, O.**, Odeshi, T. A. and Annegarn, J. H. (2012). Assessment of noise emitted by vibrator-block factories and the impact on human health and urban environment in Nigeria. *International Journal of Applied Environmental Sciences*, 7: 57–68. Published by Research India Publications.
- ^f (23) **Oguntoke, O.**, Awanu, E. A. and Annegarn, J. H. (2012). Impact of Cement factory operations on air quality and human health in Ewekoro Local Government Area, South-western Nigeria. *International Journal of Environmental Studies*, 69(6): 934–945. Published by Taylor and Francis, UK.
- ^f (24) **Oguntoke, O.**, Adebulehin, A. T. and Annegarn, J. H. (2013). Biomass energy utilization, air quality and the health of rural women and children in Ido LGA, South-west Nigeria. *Indoor and Built Environment*, 22: 528-534. Published by Sage Publishers, UK.

^f (25) Omonijo, A. G., Adeofun, C. O., **Oguntoke, O.** and Matzarakis A. (2013). Relevance of thermal environment to human health: a case study of Ondo State, Nigeria. *Theoretical and Applied Climatology* 113(1–2): 205–212. Published by Springer, UK.

(26) **Oguntoke, O.** (2013). Intra-urban pattern of cancer morbidity and the associated socio-environmental factors in Ile-Ife, South-western Nigeria. *Herald Journal of Geography and Regional Planning*, 2(1): 48 – 55. Published by Herald International Research Journals Publishing Corporation, Nigeria.

^f (27) **Oguntoke, O.**, Komolafe, O. A. and Annegarn, J. H. (2013). Statistical analysis of shallow well characteristics as indicator of water quality in parts of Ibadan city, Nigeria. *Journal of Water, Sanitation and Hygiene for Development*, 3(4): 602–611. Published by the Association for Water Sanitation and Hygiene, USA.

^f (28) **Oguntoke, O.**, Otusanya, K. O. and Annegarn, J. H. (2013). Emission of pollutants from wood-waste incineration at Sawmills in Abeokuta metropolis, Nigeria. *International Journal of Environmental Studies*, 70(6): 956 – 967. Published by Taylor and Francis, UK.

^f (29) Oyebanji, F. F., Adeofun, C. O., Adedeji, O. H., Ekpo, U. F., **Oguntoke, O.**, Ojekunle, O. Z. (2013). Assessment of Respiratory Health Impact of Fuel-Wood Utilization on Exposed Rural Women in Odeda, Southwestern, Nigeria. *Global Journal of Science Frontier Research: Environment and Earth Science*, 13(4): 22–30. Published by Global Journals Inc. USA.

^f (30) **Oguntoke, O.**, Ojelede, E. M. and Annegarn, J. H. (2013). Frequency of mine dust episodes and the influence of meteorological parameters in the Witwatersrand area, South Africa. *International Journal of Atmospheric Sciences*, 2013 (ID 128463): 1- 10. Published by Hindawi Publishing Corporation, India. Available on-line at: <http://dx.doi.org/10.1155/2013/128463>.

*^f (31) **Oguntoke, O.** (2014). Spatial and Socio-demographic disparities of cancer morbidity in Nigeria: Patterns and factors. *Malaysian Journal of Society and Space: GEOGRAFIA*, 10(1): 25 - 35. Published by the School of Social, Development and Environmental Studies, University of Kebangsaan, Malaysia.

*^f (32) **Oguntoke, O.** and Annegarn, J. H. (2014). Effectiveness of Mediation in the resolution of environmental complaints against the activities of gold mining industries in the Witwatersrand region. *The Clean Air Journal*, 24 (2):17-23. Published by the National Association for Clean Air, South Africa.

*^f (33) **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*, 37(3): 79-89. Published by Environmental Research Institute, Chulalongkorn University, Thailand.

*^f (34) Oyebanji, F. F., **Oguntoke, O.**, Ojekunle, O. Z., Adeofun, C. O., Adedeji, O. H., Ekpo, U. F., and Adekunle, M. M. (2016). Seasonal and Spatial Analysis of Air Pollutants emissions from Fuel-wood utilisation in selected Rural Communities within Odeda LGA, Nigeria. *Global Journal of Science Frontier Research: Environment and Earth Science*, 16(3): 33–42. Published by Global Journals Inc. USA.

*^f (35) **Oguntoke, O.** and Adeyemi, A. (2016). Degradation of urban environment and human health by emissions from fossil-fuel combusting electricity generators in Abeokuta metropolis, Nigeria. *Indoor and Built Environment* 26(4): 538–550. Published by Sage

- * (36) **Oguntoke O.**, Sholanke O. and Ojo A. C. (2018). Levels, Trends and Exposure Doses of Noise Emitted by small-scale Enterprises in Abeokuta city, South-western Nigeria. *Journal of Natural Science, Engineering and Technology, ASSET* 17(1&2): 49–66. Published by the Federal University of Agriculture Abeokuta, Nigeria.
- * (37) Ogunyemi A, Oguntoke O. and Oyenekan O. (2018). Environmental Audit of Integrated Farm Industry Settlement in Abeokuta, Ogun State, Nigeria. *Environment and Natural Resources Journal*, 16(1): 31-38. Published by the Faculty of Environment and Resource Studies, Mahidol University, Thailand.
- * (38) Oguntoke O., James A. O. and Alewo, A.O. (2018). Impact of Quarrying operations on Air quality, Human health and Safety in Obafemi-Owode LGA, Ogun State, Nigeria. *Nigeria Journal of Life Sciences* 8(1) 14 pp. Published by Faculty of Science, University of Benin, Nigeria (Letter of acceptance dated 22 June 2018).
- * (39) Amujo B.T., Adeofun C.O., **Oguntoke O.**, Babalola O.A., Towolawi A.T. and Ojekunle Z.O. (2019). Seasonal Variations of pH and Heavy Metals content in Soils of selected Housing Estates in Ogun State, Nigeria. *Journal of Applied Science and Environmental Management* 22(9): 1403 – 1408. Published by Faculty of Science, University of Port Harcourt, Nigeria.
- *^f (40) Ogunyemi A., **Oguntoke O.** and Adeofun C. (2019). Assessment of Air and Noise Pollution from Industrial Sources in Ibadan, South-western, Nigeria. *Environment and Natural Resources Journal*, 17(1): 1-10. Published by the Faculty of Environment and Resource Studies, Mahidol University, Thailand.
- *^f (41) **Oguntoke O.**, Emoruwa O.F and Taiwo A.M. (2019). Assessment of air pollution and health hazard associated with sawmill and municipal waste burning in Abeokuta Metropolis, Nigeria. *Environmental Science and Pollution Research*; <https://doi.org/10.1007/s11356-019-04310-2>. Published by Springer Nature- Germany.
- *^f (42) **Oguntoke O.**, Amaefuna B. A., Nwosisi M.C., Oyedepo S. A. and Oyatogun M. O. (2019) Quantification of Biodegradable Household Solid Waste for Biogas Production and the Challenges of waste sorting in Abeokuta Metropolis, Nigeria. *International Journal of Energy and Water Resources* (DOI: 10.1007/s42108-019-00033-9). Published by Springer Nature Switzerland.
- * (43) **Oguntoke, O.**, Tijani, Y.A., Adetunji, O.R., Obayagbona, O. N. (2019). Spatial Analysis of Environmental Noise and Auditory Health of Abeokuta Residents, Ogun State, Nigeria. *J. of Applied Science and Environmental Management* 23(9): 1699 – 1707. Published by Faculty of Science, University of Port Harcourt, Nigeria.
- (44) Nwosisi M. C., **Oguntoke, O.**, Taiwo, A. M. (2019). Dispersion and emission patterns of NO₂ from gas flaring stations in the Niger Delta, Nigeria. *Modeling Earth Systems and Environment* 5(18):1-14 doi.org/10.1007/s40808-019-00658-z. Published by Springer Nature, UK.
- (45) Ogunyemi, I.A., **Oguntoke, O.**, and Adeofun, C.O. (2020). Water Level and the Potentials for Wetland Formation and Sustainability in Lower Ogun River Floodplain, Nigeria. Accepted for publication in the *J. of Applied Science and Environmental Management* (24): doi.org/10.4314/jasem.24i6.15. Published by Faculty of Science, University of Port Harcourt, Nigeria.

- (46) Taiwo, A. M., Musa, M. O., Oguntoke, O., Afolabi, T. A., Sadiq, A. Y., Akanji, M. A. and Sheu, M. R. (2020). Spatial distribution, pollution index, receptor modelling and health risk assessment of metals in road dust from Lagos metropolis, Southwestern Nigeria. *Environmental Advances*, 2: 100012. Published by Elsevier
- (47) Nwosisi M.C., **Oguntoke O.**, Taiwo A.M., Agbozua I.E., Noragbon E.J. (2021). Spatial patterns of gas flaring stations and the risk to the respiratory and dermal health of residents of the Niger Delta, Nigeria. *Scientific African* vol 12 Available online at <https://doi.org/10.1016/j.sciaf.2021.e00762>. Published by Elsevier
- (48) Nwosisi M.C., **Oguntoke O.**, and Taiwo A.M. (2021). Dispersion modelling of PM₁₀ from selected flow stations in the Niger Delta, Nigeria: implications on soot pollution. *Environmental Systems Research* (2021) 10:9 <https://doi.org/10.1186/s40068-020-00207-z>. Published by Springer.
- (49) Okimiji, O., Adedeji, H. O., **Oguntoke, O.**, Shittu, B. O., Aborisade, M., Ezennia, O. (2021). Analysis of Socio-economic and Housing characteristics in some selected Slum area in Lagos State Metropolis, Nigeria using Geographical Information System. *Jordan Journal of Earth and Environmental Sciences*, 12 (2): 134-144.
- (50) Eghomwanre A. F. and **Oguntoke O.** (2022). Concentrations of indoor gaseous air pollutants and risk factors associated with childhood asthma in Benin City, Nigeria. *Environmental Monitoring and Assessment* (2022) 194:391 <https://doi.org/10.1007/s10661-022-10026-7>. Published by Springer.
- (51) Eghomwanre A. F. and **Oguntoke O.** and Taiwo A. M. (2022) Levels of indoor particulate matter and association with Asthma in children in Benin City, Nigeria. *Environmental Monitoring and Assessment* 194:467. <https://doi.org/10.1007/s10661-022-10135-3>. Published by Springer
- (52) Eghomwanre A. F. and **Oguntoke O.** (2022). Levels of fungi aerosols in residential houses in Benin City, Southern Nigeria. *Dutse Journal of Pure and Applied Sciences* 8(2): DOI: [10.4314/dujopas.v8i2a.8](https://doi.org/10.4314/dujopas.v8i2a.8). Published by The Faculty of Science, Federal University Dutse, Nigeria.
- (53) Tijani, Y. A., James, A. O., **Oguntoke, O.** and Oyebanji, FF. (2023). Indoor Air Quality of Beauty Salons in Commercial and Residential Areas of Camp, Abeokuta, Ogun State, Nigeria. *J. Appl. Sci. Environ. Manage.* 27(2): 267-276.
- (54) Eghomwanre, A. F., **Oguntoke, O.**, Taiwo, A. M., Sam-Wobo, S. O., and Enagbonma, B. J. (2023). Assessment of Airborne Bacteria in Residential Buildings in Benin City, Nigeria. *Ife Journal of Science*, 25(1): 127 – 136. <https://dx.doi.org/10.4314/ijs.v25i1.12>.
- (55) Obayagbona, O. Nosa, **Oguntoke, O** and Aighewi, I. Tito (2023). Bacteriological Quality of Water Supplies Utilized in Abattoirs Located in Benin City, Ekpoma and Auchi Municipalities n Edo State, Mid-Western Nigeria. *Trop J Nat Prod Res*, January 2023; 7(1):2264-2269. <https://www.tjnpr.org>
- (56) Towolawi A.T., **Oguntoke O.**, B.S. Bada, J.O. Adejuwon, S.B. Ibrahim (2023). Climate variability environmental stress indication across four rain-fed states in Nigeria using multivariate analysis. *Journal of Meteorology and Climate Science*, 22(1): 33-53.
- (57) Eghomwanre A.F., Tijani Y.A. and **Oguntoke O.** (2023). Self-Reported Health Effects and Risk Factors Associated with Noise Exposure among Auto-Mechanic Workers in Abeokuta Town, Nigeria. *African*

Scientist, 24(1): 11595-6881. <https://africanscientistjournal.org> Published by Society for Experimental Biology of Nigeria.

(e) Technical Reports/Exhibition Reports/Patents

Oguntoke, O., Adeofun, C. O., Adeosun, F. I., Eruola, A. O., Soaga, J. A., Salami, W. and Olopade, T. E. (2016): Environmental Implication Study of CBC Global Quarry on the Alabata Environment. A Technical Report submitted to the Federal University of Agriculture Abeokuta, Nigeria.

(f) Papers in Refereed Conference Proceedings

(58) **Oguntoke, O.** and Salau, F. (2002): Application of indigenous knowledge to soil erosion control for food security: Case of Kajola LGA, Oyo State. Proceedings of the 17th National Conference of Farm Management Association of Nigeria (FAMAN), Akande, S.O., *et al.*, (Eds.): Agricultural development for poverty alleviation and economic empowerment in Nigeria, 64–69. Published by FAMAN.

(59) **Oguntoke, O.** and Ogundewe, Y. A. (2003): Impact of insanitary waste disposal on the health of rural dwellers: Case of Lukosi Village, Ogun State. Proceedings of 11th Annual Conference of Environment and Behaviour Association of Nigeria (EBAN), Adekunle, V. *et al.*, (Eds.), 129–133. Published by EBAN.

(60) **Oguntoke, O.** Ayanleke, A. M. and Akintobi, T. Y. (2004): Implications of traditional pottery on the environment and health of women: Case of Ijaye, Abeokuta. Proceedings of 12th Annual Conference of Environment and Behaviour Association of Nigeria (EBAN), Adeofun, C.O. *et al.*, (Eds.), 56–61. Published by EBAN.

(61) **Oguntoke, O.** and Ayeni, A. S. (2004): Implications of air pollution arising from oil refinery activities on human health: Case of Eleme and Okrika communities, Rivers State. Proceedings of 19th Annual Conference of Nigerian Meteorology Society (NMetS), Gbuyiro, S.O. *et al.*, (Eds.), 119–129. Published by NMetS.

(62) **Oguntoke, O.** Aboderin, O. J. and Bankole, M. O. (2008): Environmental and behavioural correlates of water-borne diseases incidence among urban dwellers in Ibadan, South-west Nigeria. Proceedings of the International Conference on Research and Development (ICRD), Nekang, F.M. *et al.*, (Eds.), 70–76. Published by ICRD.

(63) **Oguntoke, O.**, Nwakaobia, S. C. and Tijani, Y. A. (2019). Dust concentrations variability in ambient Environment and the Association with Respiratory diseases in Abeokuta metropolis, Nigeria. Proceedings of International Medical Geology Association (IMGGA).