

# CURRICULUM VITAE

**NAME:** OLU-OWOLABI, Bamidele Iromidayo

**PRESENT POSITION:** Professor

**MAILING ADDRESS:** Department of Chemistry  
Box 22788  
University of Ibadan, Ibadan, Nigeria

**HOME ADDRESS:** 20, Sankore Avenue, University of  
Ibadan Qtrs,  
University of Ibadan

**TELEPHONE NUMBER:** +2348035632025

**E-MAIL ADDRESS:** [iromidayobamidele@yahoo.co.uk](mailto:iromidayobamidele@yahoo.co.uk)  
[bi.olu-owolabi@mail.ui.edu.ng](mailto:bi.olu-owolabi@mail.ui.edu.ng)

**NATIONALITY:** Nigerian

**MARITAL STATUS:** Married

**UNIVERSITY EDUCATION:**

**Name and Location**

**Year attended**

- |  |             |
|--|-------------|
| (i) University of Ibadan, Ibadan Nigeria.    | 1982 - 1985 |
| (ii) University of Ibadan, Ibadan, Nigeria.  | 1986 - 1987 |
| (iii) University of Ibadan, Ibadan, Nigeria. | 1994 - 1999 |

#### **ACADEMIC QUALIFICATIONS:**

- |                                  |            |      |
|----------------------------------|------------|------|
| (i) B.Sc. (Hons.) Chemistry,     | UI, Ibadan | 1985 |
| (ii) M.Sc. Analytical Chemistry, | Ibadan     | 1987 |
| (iii) Ph.D. Analytical Chemistry | Ibadan     | 1999 |

#### **SCHOLARSHIPS, FELLOWSHIPS AND PRIZES**

- 2023 Alexander von Humboldt Group Linkage Award (2023-2026)
- 2019 Alexander von Humboldt Alumni Fellowship (2019-2020)
- 2017 Selected for the Commonwealth Science Conference Singapore
- 2016 African Union Kwame Nkrumah Scientific Regional Award
- 2013 Alexander von Humboldt Group Linkage Award (2013-2016)
- 2012 TWAS-USM Visiting Researcher
- 2011 Alexander von Humboldt Foundation Return Fellowship
- 2009 DAAD Visiting Scholar Fellowship
- 2008 TWAS-CAS Visiting Scholar Fellowship
- 2006 Alexander von Humboldt Foundation fellowship

#### **MEMBERSHIP OF LEARNED SOCIETIES:**

- (i) Science Association of Nigeria (1987)
- (ii) Chemical society of Nigeria (CSN) (1988)
- (iii) Quality control society of Nigeria (QCSN) (1999)
- (iv) Institute of Public Analyst of Nigeria (2006)
- (v) Institute of Chartered Chemist of Nigeria (ICCON) (2007)
- (vi) Waste Management Society of Nigeria (2008)
- (vii) Member, African-German Network of Excellence in Science (AGNES), 2015
- (viii) Fellow, Chemical Society of Nigeria, 2018
- (ix) Fellow, Royal Society of Chemistry, London, 2019
- (x) Fellow, Academy of Science, 2022

#### **REVIEWER FOR:**

- Chemical Engineering Journal
- Nigerian Journal of Science
- Journal of Toxicology and Environment
- Carbohydrate Polymers

## WORKING EXPERIENCE

- Professor, University of Ibadan, Ibadan, Nigeria Oct. 2011 - to date
- Senior lecturer, University of Ibadan, Nigeria Oct. 2002 - Sept. 2005
- Lecturer I, University of Ibadan, Ibadan, Nigeria Oct. 1998 - Sept. 2002
- Lecturer II, University of Ibadan, Ibadan, Nigeria June, 1998
- Lecturer I, Federal Polytechnic, Ilaro Oct. 1994- June 1998
- Lecturer II, Federal Polytechnic, Ilaro Oct. 1991- Sept. 1994
- Lecturer III, Federal Polytechnic, Ilaro Jan. 1988 - Sept. 1991

#### **UNIVERSITY ADMINISTRATIVE EXPERIENCE:**

- Director, Multidisciplinary Central Research Laboratory (MCRL) August, 2020 - To date
- Member of Senate, University of Ibadan (UI)
- Member, Administrative and Finance Committees of University of Ibadan Multidisciplinary Central Research Laboratory (UI MCRL)
- Member, Finance Committee of UI water enterprise
- Member, Senior Staff Housing Committee
- Hall Mistress, Queens Elizabeth Hall, University of Ibadan
- Chairperson, Curriculum Committee for Degree of Science Lab. Technology courses
- Departmental Examination officer

#### **EXTERNAL EXAMINERS IN CHEMISTRY**

- External examiner, Department of Chemistry, Obafemi Awolowo University, Ile-Ife **(2021)**
- External examiner to the Department of Chemistry, Federal University of Agriculture, Abeokuta (2017- To Date)
- External examiner, Department Of Chemistry, Hallmark University, Itele (2018- To Date)
- External examiner to Department of Chemical Sciences, Redeemers University, Iwo, **(2016)**
- External examiner to the Department of Soil Science, Obafemi Awolowo University, Ile-Ife **(2015)**
- External examiner to the Department of Chemistry, Ladoké Akintola University of Technology, Ogbomoso **(2014)**

#### **EXTERNAL ASSESSORS PROFESSORIAL POSITION IN ANALYTICAL AND ENVIRONMENTAL CHEMISTRY**

- College of Science, Federal University of Agriculture, Markudi
- Department of Pure and Industrial Chemistry, University of Nigeria, Nsukka
- Department of Industrial Chemistry, Federal University of Oye-Ekiti
- Department of Chemistry, Covenant University, Ota, Nigeria
- Department of Chemical Sciences, Anchor University, Lagos
- Department of Chemistry, Lagos State University, Lagos
- Department of Chemical Sciences, Ladoké Akintola University of Technology, Ogbomoso
- Department of Soil and Agricultural Engineering, University of Zimbabwe

## POSTGRADUATE SUPERVISION:

I have supervised to date over 120 master's thesis, One (1) M Phil. and Twelve (12) Ph.D students Examples of some of the master's project are given below:

### MASTER'S THESIS

- Onwukwe M. O. "The kinetics of adsorption of Zn and Cu on phosphate modified kaolinite clay" . (M Sc. Thesis, University of Ibadan, September, 2005).
- Diagboya, P. N. "Physicochemical properties and cation adsorption studies on selected soils from the middle belt region of Nigeria" (M Sc. Thesis, University of Ibadan, September, 2009).
- Adepoju, O. O. "Evaluation of the influence of organic matter and iron oxide on the adsorption of Pb, Cu and Cd in soil" (M Sc. Thesis, University of Ibadan, September, 2011).
- Oladipo, D. T. "Equilibrium and kinetic studies of the adsorption of methylene blue in aqueous solution" (M Sc. Thesis, University of Ibadan, September, 2014).
- Oluyinka, O. A. "Remediation of lead contaminated soil with carica papaya seeds biochar and its Goethite modifications" (M Sc. Thesis, University of Ibadan, September, 2015).
- Adewoye, A. A. "Comparative study of the adsorption of Pb, Cd, Ni, Cu and Zn on three soils from Western Nigeria" (M Sc. Thesis, University of Ibadan, September, 2015).
- Okanlawon, F. B. "Adsorption of Cd and Glyphosate on Alfisol" (M Sc. Thesis, University of Ibadan, September, 2016).
- Akinwale. B. W. Removal of Lead ion and 2, 4, 6-trichlorophenol from aqueous solution using feldspars/chitosan/starch nanocomposites. (M Sc. Thesis, University of Ibadan, September, 2016).
- Okoro, G. O. "Adsorption of heavy metals, methylene blue and Eriochrome Black T. from aqueous solution by Nigerian Soils" (M Sc. Thesis, University of Ibadan, September, 2017).
- Oridota, O. M. Removal of heavy metals from aqueous solution using biomass modified bentonite. (M Sc. Thesis, University of Ibadan, September, 2017).
- Areo, A. O. "Adsorptive Removal of 2, 4, 6-Trichlorophenol from aqueous solution onto goethite modified pawpaw seed biochar" (M Sc. Thesis, University of Ibadan, September, 2018).
- Ifeoma Nkechi, OKOBI (201484): Adsorption of lead and arsenic on phosphoric acid modified carica papaya seeds. (M Sc. Thesis, University of Ibadan, September, 2018).
- Christian Akpan UKPONG (203084) Adsorption of mercury (II) and cadmium (II) ions from aqueous solution. (M Sc. Thesis, University of Ibadan, September, 2018).
- Mary Oluwadamilare, LAWAL (157685) Adsorption of Cd and Pb on plantain peels, feldspar and modified feldspar. (M Sc. Thesis, University of Ibadan, September, 2018).
- Lydia, Chidiebere, IDAM (202708): Adsorption of Cd and Hg from aqueous solution unto modified papaya seeds and plantain peels. (M Sc. Thesis, University of Ibadan, September, 2018).

## Ph.D. THESIS CONTINUES

- **Afolabi, T.A.**, “Physicochemical and functional properties of modified finger millet *Eleusine coracana* and Sword bean (*Carnivalia gladiata*) starches and its potentials as excipients in Pharmaceutical applications.” (PhD Thesis, University of Ibadan, June, 2009).
- **Olayinka, O. O.**, “Physicochemical properties, retrogradative behaviour and X-ray Diffraction of Native and modified starches of three varieties of *Sorghum bilolor* L. moench.” (PhD thesis, University of Ibadan; May, 2010).
- **Nwosu, F.O.**, “Adsorption properties of Active Carbons from some tropical biomass and Nigerian Coals” (PhD Thesis, University of Ibadan, April, 2010)
- **Agunbiade, F. O.** “Metal dispersion and speciation in Sediments, plants and Fishes of Ondo State coastal Area, Nigeria using Fuzzy Logic Models “ (PhD Thesis, University of Ibadan, May 2010)
- **Yahaya, L. E.** “Studies Synthesis and Characterization of Natural Rubber/Organoclay Nanocomposite from Camellia seed oil (PhD Thesis, University of Ibadan, February 23, 2012)
- **Olawumi, K.E.**, “Physicochemical properties, Microstructure and Retrogradation studies of physical- and chemically modified Mucuna bean (*Mucuna spp.*) starches.” (MPhil Dissertation, University of Ibadan, 2011)
- **Diagboya, P.** “Sorption and Desorption of organic and inorganic pollutants in soils collected from different Ecological zones of Nigeria. (PhD Thesis, University of Ibadan, 2015)
- **Vaikosen, E. N.** “Persistence and accumulation of organochlorine pesticides in selected cocoa farms in southwestern Nigeria.” (PhD Thesis, University of Ibadan, 2016)
- **Okekunle, M. O.** “Isolation, modification, characterization and cytotoxicity of phaseolus lunatus Linn (Lima Bean) starches” . (PhD Thesis, University of Ibadan, 2018)
- **Adeyoju, O. M.** “Characterisation and functional properties of flour and protein isolated from modified Solojo Cowpea (*Vigna unguiculata* (L.) WALP.)” . (PhD Thesis, University of Ibadan, 2020)
- **Nsang, R. O.** “Assessment of coastal water and sediment quality in Ilaje area of Ondo State, Nigeria, using Fuzzy Logic Model ” (PhD Thesis, University of Ibadan, 2021)
- **Chigbundu, C. E.** “Facile intercalation of kaolinite clays for the adsorption of basic dyes in water.” (PhD Thesis, University of Ibadan, 2021)
- **Agbaogun B. K.** 2022. Adsorption of phenylurea herbicides and toxic metal ions by tropical (Nigerian) soils. Analytical and Ecological Chemistry, Universitat Trier, Germany.
- **Adeyemo, Abisola O.** “Porous carbonaceous materials from Agrowaste as adsorbents for the removal of selected emerging contaminants ” (PhD Thesis, University of Ibadan, 2023)
- **Olawumi Esther K.** “Isolation, Modification, Characterisation and Application of Five Mucuna Starches in the Textile Industry ” (PhD Thesis, University of Ibadan, 2023)

## MENTORSHIP

- Workshop on Ethics and Mentorship in Academia organized by Faculty of Science, 2010
- Humboldt Kolleg on Mentoring, University of Ibadan, 2015
- National Training Workshop on Current Techniques in Genetic Toxicology, organized by the Genetic Toxicology Association of Nigeria (GTAN) in partnership with The Postgraduate College, University of Ibadan, 2018

## PATENT

Unuabonah, E. I., **Olu-Owolabi, B. I.**, Adebowale, K. O., **2013**. Preparation of Novel low-cost Kaolinite clay composite Adsorbent, **Nigeria Patent, Patent no. NG/P/2013/616**

## LIST OF PUBLICATIONS

### A. Refereed Journals

1. Ojo, C. and **Olu-Owolabi, B. I.** 2023. Sorption of ivermectin in Nigerian Oxisols and Alfisols: quantitative insights on environmental fate in tropical soils. *Int. J. Environment and Pollution*, Vol. 72, No. 1, pp.56–69.
2. Egbedina, A. O., Ugwuja, C. G., Dare, P. A., Sulaiman, H. D., **Olu-Owolabi, B. I.** and Adebowale, K. O. 2023. CTAB-activated Carbon from Peanut Husks for the Removal of Antibiotics and Antibiotic-resistant Bacteria from Water. *Environmental Processes* (2023) 10:20. <https://doi.org/10.1007/s40710-023-00636-9>.
3. Egbedina, A. O., **Olu-Owolabi, B. I.** and Adebowale, K. O. 2023. Batch and continuous fixed-bed adsorption of antibiotics from aqueous solution using stearic acid and activated carbon composite. *Energy, Ecology and Environment*. 8:129-140. <https://doi.org/10.1007/s40974-023-00268-7>.
4. Agbaogun, B. K., **Olu-Owolabi, B. I.**, Buddenbaum, H. and Fischer K. 2023. Adaptive neuro-fuzzy inference system (ANFIS) and multiple linear regression (MLR) modelling of Cu, Cd, and Pb adsorption onto tropical soils. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-022-24296-8>
5. Vaikosen, E. N., Davidson, C. M., **Olu-Owolabi, B. I.**, Gibson, L. T., Agunbiade, F. O., Kashimawo, A. J. and Adebowale, K. O. 2023. Kinetic and isotherm studies on the adsorption-desorption of technical-grade endosulfan in loamy soils under *Theobroma cacao* L cultivation, Southwestern Nigeria. *Environmental Science Advances*. 2023, DOI: 10.1039/D2VA00090C.
6. Egbedina, A. O., Ibhafidon, S. Akinbile, B. J., Ambushe, A. A. **Olu-Owolabi, B. I.** and Adebowale, K. O. 2022. Catalytic transformation of coconut husk into single-crystal graphite and its application for the removal of antibiotics from wastewater. *Chemical Engineering Research and Design*. 188: 96-104.



7. Okekunle, M. O., Akin-Ajani, O. D., Ekpukpon, B. L., Odeku, O. A., **Olu-Owolabi, B. I.** and Adebowale, K. O. 2022. Intra and Extra-granular Disintegrant Properties of Modified Underutilised Red Lima Bean Starch in Paracetamol Tablet Formulation. *Brazilian Journal of Pharmaceutical Sciences* <http://dx.doi.org/10.1590/s2175-97902022e19967>
8. Diagboya, P. N., Mtunzi, F. M., Adebowale, K. O., During, R. A. and **Olu-Owolabi, B. I.** 2022. Comparative empirical evaluation of the aqueous adsorptive sequestration potential of low-cost feldspar-biochar composites for ivermectin. *Colloids and Surfaces: A Physicochemical and Engineering Aspects* 634(57A):127930. DOI: 10.1016/j.colsurfa.2021.127930
9. **Olu-Owolabi, B. I.**, Diagboya, P. N., Mtunzi, F. M., Adebowale, K. O. and Düring, R. 2022. Empirical aspects of an emerging agricultural pesticide contaminant retention on two sub-Saharan soils. *Gondwana Research*. 105:311-319 <https://doi.org/10.1016/j.gr.2021.09.013>
10. Egbedina, A.O., Adebowale, K.O., **Olu-Owolabi, B.I.** Unuabonah, E. I. and Adeyemo, M. A. 2022. Microwave Synthesized Carbon Materials as Low-cost and Efficient Adsorbents for the Removal of Antibiotics in Single and Binary Systems. *Arabian Journal for Science and Engineering*. 47:5755-5765. <https://doi.org/10.1007/s13369-021-05585-9>
11. Egbedina, A.O., Adebowale, K.O., **Olu-Owolabi, B.I.** Unuabonah, E. I. and Adesina, M. O. 2021. Green synthesis of ZnO coated hybrid biochar for the synchronous removal of ciprofloxacin and tetracycline in wastewater. *RSC Advances* 11 (30), 18483-18492
12. Diagboya, P. N., Mtunzi, F. M., During, R. A. and **Olu-Owolabi, B. I.** 2021. Empirical Assessment and Reusability of an Eco-Friendly Amine-Functionalized SBA-15 Adsorbent for Aqueous Ivermectin. *Industrial & Engineering Chemistry Research*. 60(6): 2365-2373 <https://dx.doi.org/10.1021/acs.iecr.0c05115>
13. Xikhongelo, R. V., Mtunzi, F. M., Diagboya, P. N. **Olu-Owolabi, B. I.** and Düring, R.A. 2021. Polyamidoamine-Functionalized Graphene Oxide–SBA-15 Mesoporous Composite: Adsorbent for Aqueous Arsenite, Cadmium, Ciprofloxacin, Ivermectin, and Tetracycline *Industrial and Engineering Chemistry Research*. 60(10):3957-3968 <https://dx.doi.org/10.1021/acs.iecr.0c04902>.
14. **Olu-Owolabi, B. I.**, Diagboya, P. N., Mtunzi, F. M. and Düring, R. 2021. Utilizing eco-friendly kaolinite-biochar composite adsorbent for removal of ivermectin in aqueous media. *Journal of Environmental Management*. 279:111619 <https://doi.org/10.1016/j.jenvman.2020.111619>
15. Mtunzi, F. M., Diagboya, P. N. Düring, R. A. and **Olu-Owolabi, B. I.** 2021. Mesoporous SBA-15 Functionalized with G-5 Poly(amidoamine): A Sustainable Adsorbent for Effective Sequestration of an Emerging Aqueous Contaminant *Applied nanomaterials ACS Journals* . 4 (3):3052-3061 <https://dx.doi.org/10.1021/acsanm.1c00190>
16. Diagboya, P. N., Mtunzi, F. M., Adebowale, K. O. and **Olu-Owolabi, B. I.** 2021. Assessment of the effects of soil organic matter and iron oxides on the individual sorption of two

polycyclic aromatic hydrocarbons. *Environmental Earth Sciences*. 80:227  
<https://doi.org/10.1007/s12665-021-09530-9>.

17. Adeyoju, O. A., Adebowale, K. O., **Olu-Owolabi, B. I.**, Chibudike, H. O. and Chibudike, E. C. 2021. Effect of germination on the bulk density of flours and protein isolates from Solojo cowpea (*Vigna Unguiculata* L. Walp). *International Journal of Food Science and Nutrition*. DOI: 10.13140/RG.2.2.30804.73605
18. Adeyoju, O. A., Adebowale, K. O., **Olu-Owolabi, B. I.**, Chibudike, H. O. and Chibudike, E. C. 2021. Physico-Functional Characterization of Flour and Protein Isolates from Nigeria Cultivated Solojo Cowpea [*Vigna unguiculata* (L.) WALP]. *Asian Food Science Journal*. 20:131-148. DOI: 10.9734/afsj/2021/v20i930348
19. Adesokan, S. A., Giwa, A. A. and **Olu-Owolabi, B. I.** 2021. Assessment of selected heavy metals in local rice, water and rice fields soil from Ibese town, Ogun State, Nigeria. *International Journal of Advanced Academic Research*. 7: (5). e DOI: 10.46654/ij.24889849.e7502
20. Adekolurejo, Odeku, Adebowale, **Olu-Owolabi, B. I.** Akin-Ajani, Enahoro. 2020. Intra and Extra-granular Disintegrant Properties of Modified Underutilised Red Lima Bean Starch in Paracetamol Tablet Formulation. *Brazilian Journal of Pharmaceutical Sciences*.
21. Okekunle, M. O., Adebowale, K. O., **Olu-owolabi, B. I.** and Lamprecht, A. 2020. Physicochemical, Morphological and Thermal properties of oxidized starches from Lima bean (*Phaseolus lunatus*). *Scientific African*. 8:e00432
22. Diagboya, P. N., **Olu-Owolabi, B. I.** Mtunzi, F. M. and Adebowale, K. O. 2020. Clay-carbonaceous material composites: towards a new class of functional adsorbents for water treatment. *Surfaces and Interfaces*. 19: 100506
23. Ogunleye, I. O., Taiwo, O. F., **Olu-Owolabi, B. I.**, Agunbiade, F. O., Ogunleye, O. I. 2020. Comparative Study on The Availability, Impact, Fate and Mobility of Copper in The Soil of Cocoa Plantations in Oyo, Ondo And Ogun States of Nigeria Due to The Use of Boudreaux Mixture. *Journal of Physical Science and Environmental Studies*. 6 (1): 1-10
24. Onkani, S. P., Diagboya, P. N., Mtunzi, F. M., Klink, M. J., **Olu-Owolabi, B. I.** and Pakade, V. 2020. Comparative study of the photocatalytic degradation of 2-chlorophenol under UV irradiation using pristine and Ag-doped species of TiO<sub>2</sub>, ZnO and ZnS photocatalysts *Journal of Environmental Management*. 260:110-145
25. Vaikosen, E. N., **Olu-Owolabi, B. I.**, Gibson, L. T., Adebowale, K. O., Davidson, C. M., Ebeshi, B. U. and Asogwa, U. 2019. Kinetic field dissipation and fate of endosulfan after application on *Theobroma cacao* farm in tropical Southwestern Nigeria. *Environmental Monitoring Assessment*. doi.org/10.1007/s10661-019-7293-7
26. Vaikosen, E. N., Gibson, L. T., Davidson, C. M., **Olu-Owolabi, B. I.**, Adebowale, K. O., Ebeshi, B. U. and Diagboya, P. N. 2019. GC-MS fragmentation patterns of sprayed

endosulfan and its sulphate metabolite in samples of *Theobroma cacao* L from a field kinetic study. *European Journal of Mass Spectrometry*. DOI: 10.1177/1469066718817690

27. Diagboya, P.N., **Olu-Owolabi, B.I.**, Dikio, E. D., Adebawale, K.O. 2018. Concentration-dependent and simultaneous sorption and desorption of pyrene and fluorene on major soil minerals in sub-Saharan Africa. *Applied Clay Science* 153 (2018) 257–264
28. **Olu-Owolabi, B. I.**, Diagboya, P. N. Unuabonah, E. I. Alabi, A. H., Düring, R. Adebawale, K. O. 2018. Fractal-like concepts for evaluation of toxic metals adsorption efficiency of feldspar-biomass composites. *Journal of Cleaner Production*. 171: 884-891 <https://doi.org/10.1016/j.jclepro.2017.10.079>
29. **Olu-Owolabi, B. I.**, Alabi, A. H., Unuabonah, E. I., Diagboya, P. N., and Rolf-Alexander Düring. 2017. Adsorptive removal of 2, 4, 6-trichlorophenol in aqueous solution using calcined kaolinite-biomass composites. *Journal of Environmental management*. 192:94-99
30. Okoli, C. P., Diagboya, P. N., Anigbogu, I. O., **Olu-Owolabi, B. I.** and Kayode O. Adebawale, K. O. 2017. Competitive biosorption of Pb(II) and Cd(II) ions from aqueous solutions using chemically modified moss biomass (*Barbula lambarenensis*). *Environmental Earth Sciences*. 76:33
31. **Olu-Owolabi, B. I.**, Diagboya, P. N., Okoli, C. P. and Adebawale, K. O. 2016. Sorption behaviour of pentachlorophenol in sub-saharan tropical soils; Soil types sorption dynamics. *Environmental Earth Science*. 75:149-1504 <http://doi.org/doi:10.1007/s12665-016-6307-9>
32. **Olu-Owolabi, B. I.**, Alabi, A. H., Unuabonah, E. I., Diagboya, P. N., Böhm, L., Rolf-Alexander Düring. 2016. Calcined Biomass-Modified Bentonite Clay for Removal of Aqueous Metal Ions. *Journal of Environmental Chemical Engineering*.4:1376-1382 <http://doi.org/doi:10.1016/j.jece.2016.01.044>
33. Unuabonah, E. I., **Olu-Owolabi, B. I.**, Böhm, L. and Düring, R. A. 2016. Adsorption of Polynuclear Aromatic Hydrocarbons from Aqueous Solution: Agrowaste-modified Kaolinite vs Surfactant Modified Bentonite.” *Bulletin of the Chemical Society of Ethiopia*. 30: No. 3, 369-376.
34. Diagboya, P.N., **Olu-Owolabi, B.I.**, Adebawale, K.O. 2016. Distribution and interactions of pentachlorophenol in soils: the roles of soil iron oxides and organic matter. *Journal of Contaminant Hydrology*. 191:91-106 <http://doi:10.1016/j.jconhyd.2016.04.005> .
35. Unuabonah, E. I., **Olu-Owolabi, B.I.** and Adebawale, K. O. 2016. Competitive Adsorption of Metals ions onto Goethite-Humic acid-modified Kaolinite clay. *International Journal of Environmental Science and Technology*. 13(4):1043-1054.
36. Mokwenye I. I., Diagboya P.N., **Olu-Owolabi B.I.**, Anigbogu I.O., Owamah H.I. 2016. Immobilization of toxic metal cations on goethite-amended soils. *J. Appl. Sci. Environ. Manage.* 20: 436-443.

37. Olayinka, F. S., Olayinka, O. O., **Olu-Owolabi, B. I.** and Adebawale, K. O. 2015. Effect of chemical modifications on thermal, rheological and morphological properties of yellow sorghum starch. *Journal of Food Science and Technology*. 52: 8364-8370.
38. Diagboya, P. N., **Olu-Owolabi, B. I.**, Adebawale, K. O. 2015. Synthesis of Covalently Bonded Graphene Oxide Iron-Magnetic Nanoparticles and its Kinetics of Mercury Removal. *Royal Society of Chemistry Advances*. 5:2536-2542.
39. **Olu-Owolabi, B. I.**, Diagboya, P. N. and Adebawale, K. O. 2015. Sorption and desorption of fluorene on five tropical soils from different Climes. *Geoderma*. 239-240:179-185
40. Diagboya, P. N., **Olu-Owolabi, B. I.**, Adebawale, K. O. 2015. Effects of time, soil organic matter, and iron oxides on the relative retention and redistribution of lead, cadmium, and copper on soils. *Environmental Science Pollution Research*. 22: 10331-10339
41. Unuabonah, E. I., Adedapo, A. O., Nnamdi, C. O., Adewuyi, A., Omoregie, M. O., Adebawale, K. O., **Olu-Owolabi, B. I.**, Ofomaja, A, E. and Taubert, A. 2015. Successful scaleup performance of a novel papaya-clay combo adsorbent:up-flow adsorption of a basic dye. *Desalination and water treatment*. 56(2):536-551.
42. Nwosu, F.O., **Olu-Owolabi, B.I.** and Adebawale, K.O. 2015. Preparation and characterization of active carbons from some nutshells using carbon-dioxide activation. *Nigerian Journal of Scientific Research*. 14: 112-121
43. Diagboya, P. N., **Olu-Owolabi, B. I.**, Zhou, D. and Han, B. H. 2014. Graphene oxide-tripolyphosphate hybrid used as a potent sorbent for cationic dyes. *Carbon*. 79:174-182
44. Adebawale, K. O., **Olu-Owolabi, B. I.** and Chigbundu, E. C. 2014. Removal of Safarin-O from aqueous solution by adsorption onto kaolinite clay. *Journal of Encapsulation and Adsorption Sciences*. 4(3):89-104
45. **Olu-Owolabi, B. I.**, Olayinka, O. O., Adegbemile, A. A. and Adebawale, K. O. 2014. of Comparison functional properties between native and modified starches from Acha (*Digitaria stapf*) grains. *Food and nutrition sciences*. 5:222-230.
46. **Olu-Owolabi, B. I.**, Diagboya, P. N. and Adebawale, K. O. 2014. Evaluation of pyrene sorption-desorption on tropical soils. *Journal of Environmental management*. 137:1-9.
47. Diagboya, P.N., **Olu-Owolabi, B.I.**, Adebawale, K.O., **2014**. Microscale scavenging of pentachlorophenol in water using amine and tripolyphosphate-grafted SBA–15 silica: batch and modeling studies. *Journal of Environmental Management*. 146: 42–49.
48. Adeyemo, A. O., Adebawale, K. O. and **Olu-Owolabi, B. I.** 2014. Adsorption of copper by biochar. *International Research Journal of Pure and Applied Chemistry*. 4(6):727-736

49. Adeyemo, A. O., Adebawale, K. O. and **Olu-Owolabi, B. I.** 2014. Adsorption of copper on raw pinecone. *American Chemical Science Journal*. 4(6): 992-1000
50. Adeyemo, A. O., Egbedina, K. O., Adebawale, K. O. and **Olu-Owolabi, B. I.** 2014. Removal of Cd (II) from aqueous solution by pinecone biochar. *Res. J. Chem. Environ. Sciences*. 2: 98-102
51. Yahaya, L. E., Adebawale, K. O. and Olu-Owolabi, B. I. 2014. Cure characteristics and rheological properties of modified natural rubber composites. *Chemical Science International Journal*. 4(4): 472-480
52. Agunbiade, F. O., **Olu-Owolabi, B. I.** and Adebawale, K. O. 2013. Modelling the speciation of metals in Ondo coastal water with geochemical model-PHREEQCI. *Water Practice and Technology*. 7(3). Doi.10.2166/wpt.2012.051.
53. **Olu-Owolabi, B. I.** , Agunbiade, F. O. and Adebawale, K. O. 2013. Metal speciation in sediments from crude oil prospecting coastal area of Ondo State, Nigeria. *Earth Sciences Research Journal*. 17(1):41-51
54. Afolabi, T. A., **Olu-Owolabi, B. I.** and Adebawale, K. O. 2013. Evaluation of physicochemical and mechanical properties of physically modified finger millet (*Elusine coracana*) starch. *Journal Chemical Society of Nigeria*. 38:99-107
55. **Olu-Owolabi, B. I.**, Agunbiade, F. O., Fagbayigbo, and Adebawale, K. O. 2013. Monitoring Copper Bioaccumulation in Cocoa from Copper-Based Pesticide-Treated Cocoa Farms Using Fuzzy Similarity Method. *Bioremediation Journal*. 17:131-137
56. Unuabonah, E. I., **Olu-Owolabi, B. I.**, Taubert, A., Omolehin, E. and Adebawale, K. O. 2013. SAPK- A Novel Composite Resin for Water Treatment with very high Zn<sup>2+</sup>, Cd<sup>2+</sup> and Pb<sup>2+</sup> Adsorption Capacity. *Industrial and Engineering Chemistry Research*. 52:578-585
57. Olayinka, O. O., Adebawale, K. O. and **Olu-Owolabi, B. I.** 2013. Physicochemical properties, morphological and X-ray pattern of chemically modified white sorghum starch (Bicolor-moench). *Journal of Food Science and Technology*. 50: 70-77.
58. **Olu-Owolabi, B. I.**, Oputu, O. U., Adebawale, K. O., Ogunsolu, O. and Olujimi, O. O. 2012. Biosorption of Cd<sup>2+</sup> and Pb<sup>2+</sup> ions onto mango stone and cocoa pod waste: Kinetic and equilibrium studies. *Scientific Research and Essays*. 7:1614-1629.
59. **Olu-Owolabi, B. I.**, Diagboya, P. N. and Ebaddan, W. C. 2012. Mechanism of Pb<sup>2+</sup> removal from aqueous solution using a non-living Moss biomass. *Chemical Engineering Journal*. 195-196:270-275.
60. **Olu-Owolabi, B. I.**, Fakayode, S. O., Adebawale, K. O. and Legemah, O. 2012. Water quality assessment and heavy metals in sediments, soil and vegetable around Oke-Afa canal, Lagos, Nigeria. *International Journal of Environment and Waste Management*. 10: 400-412.

61. Yahaya, L. E., Adebawale, K. O., Menon, A. R. R. and **Olu-Owolabi, B. I.** 2012. Natural rubber/organoclay nanocomposite from Tea (*Camellia Sinensis*) seed oil derivative. *American Journal of Material Science*. 2:1-5
62. Unuabonah, E. I., El-Khaiary, M. I., **Olu-Owolabi, B. I.** and Adebawale, K. O. 2012. Predicting the dynamics and performance of a polymer/clay based composite in a fixed bed for removal of Lead (II) ion. *Chemical Engineering Research and Design*. 90:1105-1115.
63. Afolabi, T. A., **Olu-Owolabi, B. I.**, Adebawale, K. O., Lawal, O. S. and Akintayo, C. O. 2012. Functional and tableting properties of acetylated and oxidized finger millet (*Eleusine coracana*) starch. *Starch/Starke*. 64: 326-337.
64. **Olu-Owolabi, B.I.**; Agunbiade, F.O.; Ogunleye, I. O.; Adebawale, K.O. 2012. Fate and Mobility of Copper in Soil of Cocoa Plantations in Two South-Western States of Nigeria treated with Copper-Based Fungicides. *Soil and Sediment Contamination*. 21: 918-936.
65. Agunbiade, F. O., **Olu-Owolabi, B. I.** and Adebawale, K. O. 2012. Comparative Assessment of Coastal Water Usage Supports Using Water Quality Indices and Fuzzy Synthetic Evaluation Methods: A Case Study of Ondo State Estuary, Nigeria. *Terrestrial and Aquatic Environmental Toxicology*. 6: 41-49
66. Agunbiade, F. O., **Olu-Owolabi, B. I.** and Adebawale, K. O. 2012. Fuzzy logic modeling of bioaccumulation pattern of metals in coastal biota of Ondo State, Nigeria. *Environmental Monitoring and Assessment*. 184:89-102.
67. **Olu-Owolabi, B. I.**, Agunbiade, F. O., Oseghe, E. O. and Adebawale, K. O. 2012. Fuzzy logic modelling of contamination degree of Ni and V metal species in sediments from crude oil prospecting area of Ondo coast, Nigeria. *Human and Ecological Risk Assessment: An International Journal*. HERA 10-131, 18:902-918.
68. Nwosu, F.O., **Olu-Owolabi, B.I.** and Adebawale, K.O. 2012. Kinetics and thermodynamic adsorption of Pb(II) and Cd(II) ions from used oil unto *Thevetia neriifolia* nutshell active carbon. *Current research in Chemistry*. 4: 26-40
69. Yahaya, L. E., Adebawale, K. O., **Olu-Owolabi, B. I.** and Menon, A. R. R. 2011. Compositional analysis of Tea (*Camellia sinensis*) seed oil and its application. *International Journal of Research in Chemistry and Environment*. 1:153-158.
70. Nwosu, F. O., **Olu-Owolabi, B. I.**, Adebawale, K. O. Henle T. and Schwarzenbolz U. 2011. Effect of nutshell hardness, chemical and polymeric compositions on porosity and adsorption capacity of nut shell-based active carbons. *Research Journal of Applied Sciences*. 6: 501-511
71. **Olu-Owolabi, B. I.** and Ajayi, S. O. 2011. Adsorption thermodynamics of cations onto goethite and goethite-humic acid complex. *Journal of Chemistry and Material Sciences*. 1:014-024.

72. Olayinka, O. O., **Olu-Owolabi, B. I.** and Adebawale, K. O. 2011. Effect of succinylation on physicochemical properties, thermal and retrogradation of red and white sorghum starches. *Food Hydrocolloids*. 25: 515-520.
73. **Olu-Owolabi, B. I.**, Afolabi Adeniyi, T. and Adebawale, K. O. 2011. Pasting, thermal, hydration and functional properties of annealed and heat moisture treated starch of sword bean (*Canavalia gladiata*). *International journal of food properties*. 14:157-174.
74. Nwosu, F. O., **Olu-Owolabi, B. I.**, Adebawale, K. O. 2011. The production of activated carbon for Nigerian mineral coal via steam activation. *Pakistan Journal of Scientific and Industrial Research. Series A*. 54:123-131
75. **Olu-Owolabi, B. I.** and Unuabonah, I. E. 2011. Adsorption of  $Zn^{2+}$  and  $Cu^{2+}$  unto sulphate and phosphate modified Bentonite Clay. *Applied Clay Science*. 51:170-173.
76. **Olu-Owolabi, B. I.** and Unuabonah, I. E. 2010. Kinetics and Thermodynamics of removal of  $Zn^{2+}$  and  $Cu^{2+}$  from aqueous solution by sulphate and phosphate modified Bentonite. *Journal of Hazardous Materials*. 184:731-738.
77. **Olu-Owolabi, B. I.**, Popoola D. B. and Unuabonah, I. E. 2010. Removal of  $Cu^{2+}$  and  $Cd^{2+}$  from aqueous solution by Bentonite clay modified with binary mixture of Goethite and Humic acid. *Water, Air and soil Pollution*. 211:459-474.
78. **Olu-Owolabi, B. I.**, Afolabi Adeniyi, T. and Adebawale, K. O. 2010. Effect of heat moisture treatment on the functional and tableting properties of corn starch. *African Journal of Pharmacy and Pharmacology*. 4(7): 498-510.
79. **Olu-Owolabi, B. I.**, Adebawale, K. O. And Oseni, O. T. 2010. Physicochemical and thermodynamic adsorption studies of a ferric luvisol soil in Western Nigeria. *Soil and Sediment Contamination. An International Journal*. 19 (1):119-131.
80. Unuabonah, E. I., **Olu-Owolabi, B. I.**, Fasuyi, E. I. and Adebawale, K. O. 2010. Modelling of fixed-bed columns studies for the adsorption of Cadmium onto novel polymer-clay composite adsorbent. *Journal of Hazardous Materials*. 179:415-423.
81. Yahaya, L. E., Adebawale, K. O., Menon, A. R. R., Rugmini, S., **Olu-Owolabi, B. I.** and Chameswary, J. 2010. Natural rubber/ organoclay nanocomposites: Effect of filler dosage on the physicomechanical properties of vulcanizates. *African Journal of Pure and Applied Chemistry*. 4: 198-205.
82. Unuabonah, E., **Olu-Owolabi, B. I.**, Oladoja, A. N., Ofomaja, A. E. and Yang, L. Z. 2010. Pb/Ca ion exchange on kaolinite clay modified with phosphate. *Journal of Soils and Sediments*. 10:1103-1114.
83. Agunbiade, F. O., **Olu-Owolabi, B. I.** and K. O Adebawale, 2010. Seasonal and spatial variations analysis of pollution status of Ondo State coastal environment Nigeria, using principal component analysis. *Geochemical Journal*. 44:89-98.

84. Nwosu, F. O., **Olu-Owolabi, B. I.**, Adebawale, K. O. 2010. The production of activated carbon for Nigerian mineral coal via steam activation. *Pakistan Journal of Scientific and Industrial Research. Series A.* 53:123-131
85. Nwosu, F. O., **Olu-Owolabi, B. I.**, Adebawale, K. O. 2009. Removal of Pb (II) from wastewaters using wheat bran. *Current Research in Chemistry.* 4(2):473-477
86. Nwosu, F. O., **Olu-Owolabi, B. I.**, Adebawale, K. O. Henle T. and Schwarzenbolz U. 2009. Pore structure and surface functional groups on six tropical fruit nutshell active carbons. *Bioremediation, Biodiversity and Bioavailability.* 3(2):89-95.
87. Unuabonah, I. E., **Olu-Owolabi, B. I.**, Okoro, D. and Adebawale, K. O. 2009. Comparison of two-stage sorption design models for removal of lead ions by polyvinyl-modified kaolinite clay. *Journal of Hazardous Materials.* 171:215-221.
88. Agunbiade, F. O., **Olu-Owolabi, B. I.** and K. O Adebawale. 2009. Biomonitoring of metal contaminants in coastal zone of Ondo state, Nigeria: Fuzzy logic modelling approach. *Toxicology Letters.* 189. DOI:10.1016/j.toxlet.2009.06.759
89. Adebawale, K. O., Agunbiade, F. O. and **Olu-Owolabi, B. I.** (2009). Trace metal concentrations, site variations and partitioning pattern in water and bottom sediments from coastal area: A case study of Ondo coast, Nigeria. *Environmental Research Journal.* 3 (2): 46-59.
90. Agunbiade, F. O., **Olu-Owolabi, B. I.** and K. O Adebawale, (2009). Phytoremediation potential of *Eichornia crassipes* in metal-contaminated coastal water. *Bioresource Technology.* 100:4521-4526.
91. Unuabonah, I. E, Adebawale, K. O., **Olu-Owolabi, B. I.** and Yang, L. Z. 2008. Removal of Pb and Cd ions from aqueous solution by polyvinyl alcohol modified kaolinite clay. A novel nano-clay adsorbent. *Adsorption Science and Technology.* 26(6): 383-405.
92. Agunbiade, F. O., **Olu-Owolabi, B. I.** and Adebawale, K. O. 2008. Empirical modeling of dissolved oxygen against pollution parameters in coastal water in different season. *Terrestrial and Aquatic Environmental Toxicology.* 2(1): 5-13.
93. Nwosu, F. O., **Olu-Owolabi, B. I.**, Adebawale, K. O. and Leke, L. 2008. Comparative Investigation of wear metals in Virgin and used lubricant oils. *Terrestrial and Aquatic Environmental Toxicology.* 2(1):38-43.
94. Adebawale, K. O., Agunbiade, F. O. and **Olu-Owolabi, B. I.** (2008). Fuzzy Comprehensive Assessment of metal contamination of water of water and sediment in Ondo Estuary, Nigeria. *Chemistry and Ecology.* 24(4): 269-283.
95. Unuabonah, I. E, Adebawale, K. O., **Olu-Owolabi, B. I.** and Yang, L. Z. 2008. Comparison of sorption of Pb<sup>2+</sup> and Cd<sup>2+</sup> on kaolinite clay and polyvinyl alcohol-modified kaolinite clay. *Adsorption.* 14(6):791-803.



96. Adebowale, K. O., Agunbiade, F. O. and **Olu-Owolabi, B. I.** 2008. Impacts of natural and anthropogenic multiple sources of pollution on the environmental conditions of Ondo State coastal water, Nigeria. *Electronic Journal of Environmental, Agricultural and Food Chemistry*. 7: 2797-2811.
97. Unuabonah, I. E, Adebowale, K. O., **Olu-Owolabi, B. I.**, Yang, L. Z. and Kong, L. X. 2008. Adsorption of Pb(II) and Cd (II) from aqueous solutions onto sodium tetraborate-modified Kaolinite clay: Equilibrium and thermodynamic studies. *Hydrometallurgy*. 93:1-9.
98. Adebowale, K. O., Unuabonah, I. E. and **Olu-Owolabi, B. I.** 2008. Erratum to kinetic and thermodynamic aspects of the adsorption of Pb<sup>2+</sup> and Cd<sup>2+</sup> ions on tripolyphosphate-modified kaolinite clay. *Chemical Engineering Journal*. 142(1): 133-208.
99. Adebowale, K. O., Unuabonah, I. E. and **Olu-Owolabi, B. I.** 2008. Kinetic and thermodynamic aspects of the adsorption of Pb<sup>2+</sup> and Cd<sup>2+</sup> ions on tripolyphosphate-modified kaolinite clay. *Chemical Engineering Journal*. 136: 99–107.
100. Olayinka, O. O., Adebowale, K. O. and **Olu-Owolabi, B. I.** 2008. Effect of heat-moisture treatment on physicochemical properties of white sorghum starch. *Food Hydrocolloids*. 22:225-230.
101. **Olu-Owolabi, B. I.**, Fakayode, S. O., Adebowale, K. O. and Onianwa P. C. 2007. Proximate, Elemental Composition and their Estimated Daily Intake in Infant Formulae from Developed and Developing Countries: A comparative analysis. *Journal of Food, Agriculture and Environment*. 5: 40-44.
102. Unuabonah, E., **Olu-Owolabi, B. I.**, Adebowale, K. O. and Ofomaja, A. E. 2007. Adsorption of lead and cadmium ions from aqueous solutions by tripolyphosphate-impregnated kaolinite clay. *Colloids and Surfaces A: Physicochem. Eng. Aspects*. 292: 202-211.
103. Unuabonah, E., **Olu-Owolabi, B. I.**, Adebowale, K. O. and Ofomaja, A. E. 2007. Kinetic and thermodynamic studies of the adsorption of Lead (II) ions onto phosphate modified Kaolinitic clay. *Journal of hazardous materials*. 144:386-395.
104. Adebowale, K. O., Afolabi Adeniyi, T. and **Olu-Owolabi, B. I.** 2006. Functional, physiochemical and retrogradation properties of sword beans (*Canavalia gladiata*) acetylated and oxidized starches. *Carbohydrate Polymers*. 65:93-101.
105. Adebowale, K. O., Unuabonah, I. E. and **Olu-Owolabi, B. I.** 2006. The effect of some operating variables on the adsorption of lead and cadmium ions on kaolinite clay. *Journal of hazardous Materials*. 134:130-139.
106. Adebowale, K.O., **Olu-Owolabi, B. I.**, Olayinka, O. O. and Lawal, O. S. 2005. Effect of heat treatment and annealing on physicochemical properties of red sorghum starch. *African Journal of Biotechnology*. 4(9): 928-933.

107. Adebowale, K. O., Afolabi Adeniyi, T. and **Olu-Owolabi, B. I.** 2005. Hydrothermal treatments of finger millet (*Eleusine coracana*) starch. *Food Hydrocolloids*. 19: 974-983.
108. Adebowale, K. O. Unuabonah, I. E. and **Olu-Owolabi, B. I.** 2005 Adsorption of some heavy metal ions on sulfate- and phosphate- modified kaolin. *Applied Clay Science*. **29(2)**: 145-148.
109. Adebowale, K. O., **Olu-Owolabi, B. I.**, Olawumi, E. K. and Olayide, O. S. 2005. Functional properties of native, physically and chemically modified breadfruit (*Artocarpus altilis*) starch. *Industrial Crops and Products*. 21: 343-351.
110. Fakayode, S. O. and **Olu-Owolabi, B. I.** 2003. Effect of mineral organic fertilizers on status of Cd, Pb and Zn in soils and their bioaccumulation by food crops in Nigeria. *Recent Research and Development in Chemistry*. **1**: 79-91.
111. Fakayode, S. O. and **Olu-Owolabi, B. I.** 2003. Trace Metal Content and their Estimated Daily Intake from Chicken Eggs in Ibadan, Nigeria. *Archives of Environmental Health*. **58**:245-251.
112. Fakayode, S. O. and **Olu-Owolabi, B. I.** 2003. Heavy metal contamination of roadside topsoil in Osogbo, Nigeria: Its relationship to traffic density and proximity to highways. *Environmental Geology*. **44(2)**:150-157.
113. **Olu-Owolabi, B. I.** and Ajayi, S. O. 2003. Cations adsorption on Goethite-Humic Acid Complex. *Scientia Iranica*. **10**: 329-333.
114. **Olu-Owolabi, B. I.** and Ajayi, S. O. 2001. Adsorption of Zn, Cu and Cd by Goethite. *Journal of Applied Science*. **4 (4)**: 2319-2326.
115. **Olu-Owolabi, B. I.** and Azike, N. I. 1999. Effect of Ionic strength and Nature of Electrolytes on the PZC of Goethite and Amorphous Iron Oxide. *Nigerian Journal of Science*. **33**:163-170.

## **B. Published Conference Proceedings**

1. Olu-Owolabi, B. I. and Zhou, D. 2011. Adsorption characteristics of Copper, Lead, Cadmium and Zinc in some soils of Nigeria. Chemical Society conference, Ilorin, Nigeria.
2. Udomboso, C. G., Nzelu, N. and Olu-Owolabi, B. I. 2017. Neural Network Regression for Modelling the Effects of Selected Soil Physico-Chemical Properties on Adsorption. *Nigerian Statistical Society*. 1: 252-256

## **MAJOR CONFERENCES/WORKSHOPS ATTENDED WITH PAPERS READ**

- (a) **Olu-Owolabi, B. I.** and Diagboya, P. N. 2010. Effect of Goethite on cation immobilization on four soils from Nigeria. A paper presented at the Humboldt Kolleg International Conference, Obafemi Awolowo University, Ile-Ife, Nigeria.

- (b) **Olu-Owolabi, B. I.** and Zhou, D. 2011. Adsorption characteristics of Copper, Lead, Cadmium and Zinc in some soils of Nigeria. Chemical Society conference, Ilorin, Nigeria.
- (c) **Olu-Owolabi, B. I.**, Böhm, L. Unuabonah, E. I. and Düring, R. A. 2012. Remediation of PCB-and PAH-contaminated soil with Modified Clays. 6<sup>th</sup> SETAC World Congress, Berlin.
- (d) **Olu-Owolabi, B. I.**, Alabi, A. H. Böhm, L. and Düring, R. A. 2014. Kinetics and equilibrium study of the adsorption of metals on modified kaolinite clay. 6. Gemeinsame Jahrestagung von SETAC GLB und der Fachgruppe Umweltchemie und Okotoxicologie der GDCh. Giessen, Germany.
- (e) Adesoji, A. O., Nnamdi, C. O., Adewuyi, A., Omoregie, M. O., Adebowale, K. O., **Olu-Owolabi, B. I.**, Ofomaja, A. E., Taubert, A., and Unuabonah, E. I. 2014. Scale-up Modelling of the adsorption of a basic dye onto a Novel Clay Papaya Combo Adsorbent. Commonwealth Science Conference for the Common Good. Bangalore, India
- (f) **Olu-Owolabi, B. I.** and Agbaogun, B. K. Adsorption of heavy metals by some Nigerian soils: Kinetics and isotherm studies. 2<sup>nd</sup> International conference, Faculty of Science, University of Ibadan, 2015.
- (g) **Olu-Owolabi, B. I.** Agbaogun, B. K. and Olutayo, O. A. Effects of carica papaya seeds biochar and its goethite modified amendments on lead mobility in soil. SETAC Europe 26<sup>th</sup> Annual Meeting, Nantes, France 2016.
- (h) **Olu-Owolabi, B. I.**, Unuabonah, E. I. Adewuyi, A., Adebowale, K. O. Performance of A New Composite Clay Adsorbent for Dye Removal in Water. Conference on Water Security and Climate Change Cologne. Cologne, Germany 2017.
- (i) Udomboso, C. G., Nzelu, N. and Olu-Owolabi, B. I. Neural Network Regression for Modelling the Effects of Selected Soil Physico-Chemical Properties on Adsorption. International Conference of Nigerian Statistical Society. University of Ibadan, Ibadan, Nigeria 2017
- (j) **Olu-Owolabi, Bamidele I.** 2017. Integrating research and practice: Bridging the researcher-practitioner divide. A paper presented at the Humboldt Kolleg, Osogbo, Nigeria.
- (k) Agbaogun, B.K., **Olu-Owolabi, B.I.**, Fischer, K (2017). Sorption of phenylurea herbicides by tropical soils. 100th Canadian Chemistry Conference in Toronto, Canada, 28 May- 02 June 2017. (platform presentation).
- (l) Agbaogun, B.K., **Olu-Owolabi, B.I.**, Fischer, K (2017). Sorption and leaching behaviours of phenylurea herbicides in tropical soils: implication for modelling. 27th Annual meeting of SETAC, 7-11 May, 2017, Brussels, Belgium. (Poster).
- (m) Diagboya, P. N., **Olu-Owolabi, B. I.**, Adebowale, K. O. and Dikio, E. D. 2018. The Roles of Soil Iron Oxides and Organic Matter in the Distributions of Anionic Pesticide in Soils. 41<sup>st</sup> Annual International Conference of the Chemical Society of Nigeria, (CSN) in Ibadan, Nigeria.

- (n) **Olu-Owolabi, B. I.** 2018. “Emerging environmental contaminants/pollutants in Nigeria” at National Training Workshop on Current Techniques in Genetic Toxicology. 4th of December to, 8th of December, 2018, University of Ibadan, Ibadan.

#### **REFEREES**

1. Prof. P. C. Onianwa  
Department of Chemistry,  
University of Ibadan, Ibadan - Nigeria.
2. Prof. A. Adesomoju  
Department of Chemistry,  
University of Ibadan, Ibadan – Nigeria
3. Prof. K. O. Adebowale  
Department of Chemistry,  
University of Ibadan, Ibadan – Nigeria