

## CURRICULUM VITAE

- I. (a) Name: Akinranti Saheed Ajibola  
(b) Date of Birth: 12 January, 1980  
(c) Department: Chemistry  
(c) Faculty: Science
- II. (a) First Academic Appointment: Lecturer I (13 December, 2016)  
(b) Present Post (with date): Senior Lecturer,  
(1 October, 2021)  
(c) Date of Last Promotion: 1 October, 2021  
(d) Date Last Considered  
(in cases where promotion was not through): Not Applicable
- III. University Education (with dates)  
(a) University of Agriculture, Abeokuta 1999-2004  
(b) University of Ibadan, Ibadan 2005-2006  
(c) University of Athens, Athens, Greece 2009-2013
- IV. Academic Qualifications (with dates and granting bodies):  
(a) BSc (Chemistry), University of Agriculture, Abeokuta 2004  
(b) MSc (Analytical Chemistry), University of Ibadan 2006  
(c) PhD (Analytical Chemistry), University of Athens 2013
- V. Professional Qualifications and Diplomas (with dates):  
(a) Certificate of Participation in Summer School on  
'Sustainable Chemistry in International Cooperation';  
Leuphana Universität Lüneburg, Germany 2015  
(b) Certificate of Participation in a training course on  
'Water and Sanitation' ; Centre of Excellence for Water  
and Environment, Research Centre for Eco-Environmental  
Sciences, Chinese Academy of Sciences (CAS), Beijing,  
China 2018
- VI. Scholarships, Fellowships and Prizes (with dates) in Respect of Undergraduate and Postgraduate Work only:  
(a) Federal Scholarships Board, Nigeria: Scholarship during Undergraduate studies 2002  
(b) Greek State Scholarships Foundation (IKY), Greece: PhD Scholarship 2009- 2013
- VII. Honours, Distinctions and Membership of Learned Societies:  
(a) Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), Germany: Travel and Summer School grant for participation in Summer School on

- ‘ Sustainable Chemistry in International Cooperation’ at Leuphana Universität Lüneburg, Germany 2015
- (b) TWAS-DFG Cooperation Visits Fellowship award: Research Stay as Visiting Scientist at Eberhard Karls Universität Tübingen, Germany 2017
- (c) CAS-TWAS CEWE Travel and Training Sponsorship: Sponsorship for participating in a training course on ‘ Water and Sanitation’ at Research Centre for Eco-Environmental Sciences, CAS Beijing and Yancheng Institute of Technology, Yancheng, China 2018
- (d) Coimbra Group Scholarship Programme for Africa, 2018: Invited as a Visiting Scholar at the Faculty of Pharmaceutical Sciences, KU Leuven, Belgium (unable to utilise) 2018
- (e) DAAD Scholarship (Funding Programme: Research Stays for University Academics and Scientists, 2018) for a research stay at Leuphana Universität Lüneburg, Germany 2018-2019
- (f) DFG sponsorship (Registration ticket) for TWAS-DFG Alumni to participate virtually in Curious 2022 Conference which was held physically in Darmstadt, Germany and organised by Merck KGaA, Germany. 2022
- (g) Certificate of recognition for the selection of my poster presentation’ s abstract by the jury of international scientific experts of Curious2022-Future Insight™ poster exhibition at Curious2022 international conference organised by Merck KGaA, Darmstadt, Germany 2022
- (h) German Research Foundation (DFG) Grant: Grant to support the initiation of international collaboration for a research stay at Eberhard Karls Universität Tübingen, Germany. 2024
- (i) Member, African Circular Economy Research and Policy Network (ACERPiN) 2021 to date
- (j) Member, Society for Risk Analysis- Africa (SRA-Africa) 2021 to date
- (k) Member, Chemical Society of Nigeria 2024 to date

#### VIII. Details of Teaching /Work Experience:

- (a) Work Experience:
  - (i) Chemistry Teacher, Educational Advancement Centre, Ibadan 2007 – 2008
  - (ii) Assistant Officer 1, Oceanic Bank International Plc 2008 – 2009
  - (iii) PhD Researcher, University of Athens, Athens, Greece 2009 – 2013
  - (iv) Lecturer II, Adekunle Ajasin University, Akungba-Akoko, Ondo State 2013 – 2016
  - (v) Lecturer I, Adekunle Ajasin University, Akungba-Akoko, Ondo State 2016
  - (vi) Lecturer I, University of Ibadan, Ibadan 2016 – 2021
  - (vii) TWAS-DFG Visiting Scholar, University of Tübingen, Germany 2017
  - (viii) DAAD Visiting Scientist, Leuphana University of Lüneburg, Germany 2018
  - (ix) DFG Guest Scientist, University of Tübingen, Germany 2024
  - (x) Senior Lecturer, University of Ibadan, Ibadan 2021 to date

(b) Teaching Experience:

Undergraduate courses taught

- CHE 191: (Practical Chemistry); 2016/2017, 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 9 other lecturers)
- CHE 218: Introductory Analytical Chemistry; 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 3 other lecturers)
- CHE 316: Introduction to Environmental Chemistry; 2020/2021, 2022/2023, 2023/2024 sessions (with 3 other lecturers)
- CHE 417: Advanced Analytical Chemistry and Applications; 2018/2019 session (with 3 other lecturers)
- CHE 496: Research project; 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 9 other lecturers)
- CHE 481: Seminar Topics; 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 9 other lecturers)

Postgraduate courses taught

- CHE 702: Classical Methods of Analysis; 2016/2017, 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 3 other lecturers)
- CHE 706: Analytical/Environmental Chemistry Practical; 2016/2017, 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 7 other lecturers)
- CHE 710: Miscellaneous Techniques; 2017/2018 session (with 2 other lecturers)
- CHE 713: Water Analysis; 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 2 other lecturers)
- CHE 782: Hazardous Waste Management; 2016/2017, 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 2 other lecturers)
- CHE 785: National and Global Chemical Environmental Issues; 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 3 other lecturers)
- CHE 784: Chemical Environmental Pollution Studies-1; 2022/2023, 2023/2024 sessions (with 3 other lecturers)
- ECH 787: Compliance Monitoring and Enforcement; 2015/2016, 2016/2017, 2017/2018, 2018/2019, 2020/2021, 2022/2023, 2023/2024 sessions (with 2 other lecturers)
- ECH 791: Man, Environment and Sustainable Chemistry; 2018/2019 session (with 2 other lecturers)
- CHE 796: Research project; 2016/2017, 2017/2018, 2018/2019, 2020/2021 sessions (with 9 other lecturers)
- ECH 788: Seminars and Case Studies in Environmental Chemistry; 2016/2017, 2017/2018, 2018/2019, 2020/2021 sessions (with 9 other lecturers)

Research Supervision:

*Completed:*

BSc- 10

MSc – 23

*Ongoing:*

BSc- 2

MSc - 5

(c) Administrative Responsibilities:

Departmental Students Registration Officer	2017 to date
Member of Departmental Postgraduate Registration/Examinations Committee (MSc Matters)	2017 - 2018
Member of Departmental Undergraduate Examination Committee	2018 to date
Member of Departmental Finance Committee:	2018 - 2021
Member of Departmental Equipment/Facilities Management Committee	2018 - 2021
Member of Departmental Teaching Assistants/Demonstrators Allocating/Supervision Committee	2018 to date

(d) Community Service:

- (a) Member, UI Hand Sanitiser Production Committee, University of Ibadan 2020 to date
- (b) Member, Editorial Board of Frontiers in Environmental Chemistry Journal (Review Editor for ‘Chemical Treatments’ Section) 2021 to date
- (c) Regular reviewer for Web of Science and Scopus indexed journals:  
Journal of Chromatography A (Elsevier), Science of the Total Environment (Elsevier), Journal of Chromatography B (Elsevier), Water, Air & Soil pollution (Springer), International Journal of Environmental Analytical Chemistry (Taylor & Francis), Chinese Journal of Analytical Chemistry (Elsevier), Environmental Monitoring and Assessment (Springer), Chemistry Africa (Springer), CLEAN-Soil, Air, Water (Wiley), Discover Environment (Springer), Discover Soil (Springer) etc.

## IX. Research

### (a) Completed:

- (i) Development and validation of an analytical method for determination of benzosulfonamides in wastewater by liquid chromatography-tandem mass spectrometry.
- (ii) Investigation of the occurrence and removal efficiencies of benzosulfonamides in wastewater treatment plant of Athens, Greece.
- (iii) Development of analytical methodologies for determination of benzotriazoles and benzothiazoles in wastewater (SPE) and sewage sludge (ultrasonication/SPE) followed by LC-MS/MS quantification.
- (iv) Investigation of the occurrence and removal efficiencies of benzotriazoles and benzothiazoles in wastewater treatment plant of Athens, Greece.
- (v) Investigation of the contribution of primary and secondary treatment in the removal of benzotriazole and benzothiazole from a sewage treatment plant in Greece.
- (vi) Applicability of benzil and benzoin as spray reagents for the visualization of organic compounds on thin layer chromatograms.
- (vii) Assessment of trace and heavy elements contamination in waste soils and leachability studies from closed and active landfills.
  - (viii) Development and validation of an analytical method for determination of antibiotics in sewage sludge.
- (ix) Development of a QuEChERS method for determination of fluoroquinolone antibiotics in wastewater from hospital wastewater treatment plants and investigation of potential ecological risk.
- (x) Development of a green analytical method for non-steroidal anti-inflammatory drugs (NSAIDs) determination in sewage sludge and ecological risk assessment of NSAIDs in sewage sludge from Nigerian wastewater treatment plants.
- (xi) Determination and ecotoxicological assessment of diclofenac and ibuprofen in wastewater and effluent receiving water.
- (xii) Development and validation of a QuEChERS- based method for determination of selected antibiotics in dumpsite leachates, hospital wastewater and effluent receiving water.
- (xiii) Investigation of the occurrence and ecological risk of fluoroquinolone antibiotics in dumpsite leachates.
- (xiv) Investigation of the occurrence and ecological risk of antibiotic residues in sewage sludge from two Nigerian hospital wastewater treatment plants.
- (xv) Investigation of the occurrence and ecotoxicological risk of select antibiotics in poultry manure and implications in manure amended soil.
- (xvi) Wide scope target and suspect screening of legacy and emerging contaminants in sewage sludge from Nigerian wastewater treatment plants.
- (xvii) Investigation of the occurrence and ecotoxicological risk of UV filters in beach sands from selected beaches in Lagos, Nigeria.
- (xviii) Development and validation of an analytical method for determination of UV filters and benzotriazole UV stabilisers in wastewater and investigation of the occurrence and risk of target UV absorbents in wastewater from a wastewater treatment plant in Lüneburg, Germany.
- (xix) Investigation of the contamination levels and risk of selected UV filters and heavy metals in the sediments of Odo-Iyaaloro river and Eleyele lake, Nigeria.

(b) In progress:

- (i) Determination and risk assessment of selected antibiotics in sediments of rivers and lakes, and landfill soils in Ibadan and Lagos, Nigeria: A modified QuEChERS method is being applied to determine selected antibiotics in sediments of two rivers and two lakes in Nigeria, as well as in soils from six landfills in Nigeria. The research is at the stage of laboratory investigations. The research started in March 2024 and is likely to terminate in February 2025.
- (ii) Determination of perfluorinated compounds in sediments of rivers and lakes, and landfill soils in Nigeria: A comprehensive target analysis of perfluorinated compounds in sediments of two rivers and two lakes in Nigeria, as well as in soils from six landfills in Nigeria is currently being undertaken. The research is at the stage of laboratory investigations. The research started in May 2024 and is likely to terminate in April 2025.
- (iii) Non-target and suspect screening of perfluorinated compounds in sediments of rivers and lakes, and soils of landfills in two major cities in South-Western Nigeria: A QuEChERS method is being optimised for non-target and suspect screening of perfluorinated compounds in sediments of two rivers and two lakes in Ibadan and Lagos, Nigeria, as well as in soils from six landfills in Ibadan and Lagos, Nigeria. The research is at the stage of laboratory investigations. The research started in May 2024 and is likely to terminate in April 2025.

(c) Project, Dissertation, and Thesis:

- (i) **Ajibola, A. S.** (2006). Comparison of Physico-chemical Characteristics and Toxicity of Raw and Simulated Leachates from four Dumpsites in Lagos. MSc project, University of Ibadan. 105pp.
- (ii) **Ajibola, A. S.** (2013). Development of Analytical methods for the determination of emerging contaminants in the aquatic environment by Liquid Chromatography-Tandem Mass Spectrometry. PhD Thesis. University of Athens, Greece. 245pp.

## X. Publications:

(a) Books Already Published: Nil

(b) Chapters in Books Already Published: Nil

(c) Articles that have Already Appeared in Refereed Conference Proceedings

1. Thomaidis, N.S., Stasinakis, A.S., Mamais, D., Samaras, V.G., Iatrou, E., Asimakopoulos, A.S., Arvaniti, O.S., **Ajibola, A.**, Ventouri, E.I. and Lekkas, T. D. (2011). Occurrence and fate of emerging contaminants in sewage treatment plant of Athens. In Lekkas, T.D. (Ed.). *Conference on Environmental Science and Technology (CEST 2011): Proceedings of the 12th International Conference on Environmental Science and Technology*. 8-10 September, 2011. New York: Curran Associates, Inc. A1881-A1888pp.

(d) Patents and Copyrights: Nil

(e) Articles that have Already Appeared in Learned Journals

2. Dare, E. O. and **Ajibola, A. S.** (2007). Benzil and benzoin: General spray reagents for the visualization of organic compounds on thin layer chromatograms. *Chromatographia* Vol. 66: 823-825.
3. Asimakopoulos, A.G., **Ajibola, A.**, Kannan, K. and Thomaidis, N.S. (2013). Occurrence and removal efficiencies of benzotriazoles and benzothiazoles in a wastewater treatment plant in Greece. *Science of the Total Environment* Vol. 452: 163-171.
4. Stasinakis, A.S., Thomaidis, N.S., Arvaniti, O.S., Asimakopoulos, A.S., Samaras, V.G., **Ajibola, A.**, Mamais, D. and Lekkas, T. D. (2013). Contribution of primary and secondary treatment on the removal of benzothiazoles, benzotriazoles, endocrine disruptors, pharmaceuticals and perfluorinated compounds in a sewage treatment plant. *Science of the Total Environment* Vol. 463: 1067-1075.
5. **Ajibola, A.**, Gago-Ferrero, P., Borova, V. L., Dasenaki, M. E., Bletsou, A. A. and Thomaidis, N. S. (2015). Benzosulfonamides in wastewater: Method development, occurrence and removal efficiencies. *Chemosphere* Vol. 119: S21-S27.
6. **Ajibola, A. S.** (2016). Assessment of trace and major elements contamination in waste soils: Leaching potential from active and closed landfills in Lagos, Nigeria. *Journal of Environment and Earth Science* Vol. 6. No. 5: 8-15.

7. **Ajibola, A. S.** (2017). Leachate quality characteristics and groundwater contamination around closed and active landfills in Lagos, Nigeria. *Civil and Environmental Research* Vol. 9. No. 9: 78-85.
8. **Ajibola, A.S.,** Tisler, S. and Zwiener, C. (2020). Simultaneous determination of multiclass antibiotics in sewage sludge based on QuEChERS extraction and liquid chromatography tandem mass spectrometry. *Analytical Methods* Vol. 12. No. 4: 576– 586.
9. **Ajibola, A.S.,** Amoniyani, O.A., Ekoja, F.O. and Ajibola, F.O. (2021). QuEChERS approach for the analysis of three fluoroquinolone antibiotics in wastewater: Concentration profiles and ecological risk in two Nigerian hospital wastewater treatment plants. *Archives of Environmental Contamination and Toxicology* Vol. 80. No. 2: 389– 401.
10. **Ajibola, A.S.,** Fawole, S.T., Ajibola, F.O. and Adewuyi, G.O. (2021). Diclofenac and ibuprofen determination in sewage sludge using a QuEChERS approach: Occurrence and ecological risk assessment in three Nigerian wastewater treatment plants. *Bulletin of Environmental Contamination and Toxicology* Vol. 106. No. 4: 690– 699.
11. **Ajibola, A.S.,** Adebisi, A.O., Nwaeke, D.O., Ajibola, F.O. and Adewuyi, G.O. (2021). Analysis, occurrence and ecological risk assessment of diclofenac and ibuprofen residues in wastewater from three wastewater treatment plants in South-Western Nigeria. *Journal of Applied Sciences & Environmental Management* Vol. 25. No. 3: 333– 340.
12. **Ajibola, A.S.,** Awoyemi, T.E., Fasogbon, O.T. and Adewuyi, G.O. (2022). QuEChERS-based analysis and ecotoxicological risk of select antibiotics in dumpsite leachates, hospital wastewater and effluent receiving water in Ibadan, Nigeria. *Journal of Environmental Science and Health, Part A*, Vol. 57. No. 8: 709-722. (United States of America) (Contribution: 60%).
13. **Ajibola, A.S.** and Zwiener, C. (2022). Occurrence and Risk Assessment of Antibiotic Residues in Sewage Sludge of Two Nigerian Hospital Wastewater Treatment Plants. *Water, Air, & Soil Pollution* Vol. 233:405.
14. **Ajibola, A.,** Olatunji, D. and Bayode, O. (2022). Occurrence of veterinary antibiotics in poultry manure from two farms in Ibadan, Nigeria: Ecotoxicological implications in manure-amended soil. *Environmental Analysis Health and Toxicology* Vol. 37. No. 4: e2022038.
15. Nikolopoulou, V., **Ajibola, A.S.,** Aalizadeh, R. and Thomaidis, N.S. (2023). Wide-scope target and suspect screening of emerging contaminants in sewage sludge from



Nigerian WWTPs by UPLC-qToF-MS. *Science of the Total Environment* Vol. 857. No. 3: 159529.

16. **Ajibola, A.S.**, Agberotimi, J.B. and Obanubi, A.I. (2024). Occurrence and ecotoxicological impacts of fluoroquinolone antibiotics in leachates from three Nigerian dumpsites. *Chemistry Africa* Vol. 7. No. 1: 443-453.
17. **Ajibola, A.S.**, Ajulo, Y.I., Akinola, T.O. and Adewuyi, G.O. (2024). UV filters in beach sands from beaches along the Atlantic Ocean coastline in Lagos, Nigeria: Occurrence and risk assessment. *Regional Studies in Marine Science* Vol. 74: 103513.
18. **Ajibola, A.S.**, Reich, M. and Kümmerer, K. (2024). Determination and risk assessment of UV filters and benzotriazole UV stabilizers in wastewater from a wastewater treatment plant in Lüneburg, Germany *Environmental Monitoring and Assessment* Vol. 196. No. 8: 725.

(f) Books, Chapters in Books and Articles Already Accepted for Publication:

19. Akpan, B. M., **Ajibola, A.S.**, Michael, A.A. and Hung, Y.-T. (2024). Adsorptive amputation of hexavalent chromium from aqueous solution and textile wastewater by *Heinsia Crinita* seed coat biomass, In Wang, L/K., Wang, M.-H.S., Hung, Y.-T. and Chen, J.P. (Eds.) *Control of heavy metals in the environment, Vol. 1: Innovative Techniques and solutions for industrial waste treatment and environmental protection* (1<sup>st</sup> ed., CRC Press, Boca Raton, USA.)

(g) Technical Reports and Monographs:

Nil

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

1. *Developing the Next Generation of Researchers* workshop, organised by the Association of Commonwealth Universities (ACU) in collaboration with University of Ibadan, 2-4 April, 2019, Ibadan, Nigeria.
2. SPSS Training Workshop, Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) Training for 2019 by Digital Bridge Institute in collaboration with University of Ibadan, 16 – 20 September, 2019, Ibadan, Nigeria.
3. 2019 UNIBADAN Interdisciplinary/Multi-disciplinary Research Workshop, 29-30 October, 2019, Ibadan, Nigeria.
4. 6<sup>th</sup> Summer School on Sustainable Chemistry for Sustainable Development organised by Institute of Sustainable and Environmental Chemistry, Leuphana University of Lüneburg, Germany, held online from 21 – 25 September, 2020.
5. DAAD Alumni Workshop on "Digitization of University Teaching and Alumni Work" organised by German Academic Exchange Service (DAAD) & University of Bremen, Germany held at University of Lagos, 25-26, February, 2021, Lagos, Nigeria.
6. First virtual Scientific Conference organised by Faculty of Pharmacy, University of Lagos, Nigeria, held online from 10 -11 March, 2021.  
Paper Read: Ajibola, A.S., Salisu, O., Olusegun, A.O., Adetula, O.P., Hassan, R. and Augustine, C.G.: Non-Steroidal anti-inflammatory drug diclofenac in wastewater: Analytical methodology and occurrence in a wastewater treatment plant.
7. The 3<sup>rd</sup> International Conference on Advances in Civil and Ecological Engineering Research (ACEER 2021), held online via MS Teams, 27 – 30, July, 2021, China.  
Paper Read: Occurrence and ecological risk assessment of three fluoroquinolone antibiotics in Nigerian hospital wastewater treatment plants.
8. 8<sup>th</sup> Summer School on Sustainable Chemistry for Sustainable Development, organised by International Sustainable Collaboration Centre (Germany) and Leuphana University, Lüneburg, Germany, July 25 – July 29, 2022 (Virtual participation),
9. International Training Workshop on Open Science and Sustainable Development Goals, Organised by International Research Center of Big Data for Sustainable Development Goals China August 29 – September 9, 2022 (virtual participation).
10. Curious 2022 Conference which was held physically in Darmstadt, Germany, July 2022 and organised by Merck KGaA, Germany. (virtual participation).
11. Humboldt Research Hub Workshop on the theme ‘ The path to becoming a Humboldtian’ organised by Humboldt Research Hub for Zoonotic Arboviral Diseases (HRH-ZAD), University of Ibadan, sponsored by Alexander von Humboldt Stiftung, Germany, February 26, 2024.

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23/09/2024

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Dr. A.S. Ajibola

Date