

AZEEZ Luqmon Adeyemi

Professor of Analytical and Environmental Chemistry. EIA Specialist

[ORCID link](#), [Scopus Profile](#), [Web of Science link](#), [Google Scholar Profile](#), [ResearchGate Profile](#)

Department of Pure and Applied Chemistry, Faculty of Basic and Applied Sciences, Osun State University

Phone Number: +2348061538999

Scopus h-index – 19; Google Scholar h-index – 22; i10 index – 40; ResearchGate h-index – 22; Web of Science h-index – 17

Email: luqman.azeez@uniosun.edu.ng

1. Academic qualifications and diplomas

- i. PhD Analytical Chemistry (2014), Ladoke Akintola University of Technology, Ogbomoso
- ii. M.Sc. Analytical Chemistry (2006), University of Lagos
- iii. B.Sc. Chemistry (2003), University of Agriculture Abeokuta

2. Honours, Awards and Distinctions

- i. Principal Investigator: ₦16,000,000.00 National Research Fund TeTFund grant on Development of Artificial Neural Network-based Model for Estimating Nano and Microplastic Pollution in Water with reference number TETF/ES/DR&D-CE/NRF2021/SETI/WAS/00091/VOL1. 2022
- ii. Co-Investigator: ₦23,500,000.00 National Research Fund (NRF) TeTFund grant on innovative microbial valorisation of keratinous wastes for eco-friendly production of protein-rich keratin hydrolysates (PROKESH) as biofertilizers 2022
- iii. Co-Investigator: ₦24,527,017.00 National Research Fund (NRF) TeTFund grant on multi-omics approach to heavy metal toxicity and ameliorating potential of green nanoparticles in gold mining areas 2023
- iv. 413th scholar in Nigeria in the ranking of 500 best scholars by SciVal Scopus 2025

- v. Winner, Federal Government of Nigeria Scholarship award for Undergraduates 2002
- vi. Plenary paper presenter at 3rd and 9th Nanotechnology Conferences, LAUTECH 2019 and 2025

3. Membership of Learned Professional Societies

- Chemical Society of Nigeria (CSN)
- American Chemical Society

4. **Supervision experience:** I have successfully supervised seven completed PhD theses and am currently supervising three ongoing doctoral candidates. In addition, I have successfully supervised twenty-five M.Sc. theses

5. **Professorial assessment and external examination experience:** I have assessed candidates for professorial appointment and promotion. I have also served as both external and internal examiner for Master's and PhD theses.

6. Services

- i. Director, Multidisciplinary Research Lab, UNIOSUN 2026 - date
- ii. Acting Director, Multidisciplinary Research Lab, UNIOSUN 2025-2026
- iii. Deputy Director, Multidisciplinary Research Lab, UNIOSUN 2022 – 2025
- iv. Acting Head of Department, Pure and Applied Chemistry 2020 – 2022
- v. Chairman, College Examination Malpractices Committee 2024 – date
- vi. Member, Joint Senate-Council Search Committee for Vice-Chancellor 2021
- vii. Member, Central Journal Verification Committee, Osun State University 2022- 2024
- viii. Environmental Consultant for UNIOSUN Masterplan (2016–2021)
- ix. Environmental Impact Assessment Consultant for MORGAN HUNT KONSULTANCY for the establishment of farm agrocentres in Oyo States

- x. Environmental Impact Assessment Consultant for Credence Allium Nigeria Limited for the establishment of a farm estate in Akufo

7. Selected Publications & Research Outputs

- i. **Azeez L**, Opatokun-Saliu RO, Basiru S, Agbaogun BK, Oladeji RD, Abara NL (2026). Chapter 14 - Nanomaterials and nanocomposites in the rhizosphere: Biotransformation and nanosafety assessments. Editor(s): Azamal Husen. In Plant Biology, Sustainability, and Climate Change, Nanomaterials–Microbial Interactions for Soil Health, Plant Growth, and Performance. Pages 375-400
- ii. Oladejo AA, **Azeez L.**, Anifowose AJ, Kolawole TO, Sobaloju DD, Aremu HK, Basiru S, Shuaib SO, Oladeji RO (2026). Composition, co-exposure patterns, and health risk assessment of airborne microplastics and toxic metals in the urban atmosphere of Osun State. *Discover Environ* 4, 143 (2026). <https://doi.org/10.1007/s44274-026-00647-x>
- iii. Opatokun-Saliu RO, **Azeez L**, Anifowose JA, Awojide HS, Busari HK, Saheed A, Oladejo AA, Ajibola KO (2026). Characterization and comparative antioxidant study of calcium oxide and zinc nanoparticles mediated by *Annona muricata* leaves. *Discover Chemistry*. 3:459. <https://doi.org/10.1007/s44371-026-00915-y>
- iv. Basiru SO, Azeez L, Anifowose AJ, Kolawole TO, Oyinola A, Oladejo AA, Busari HK, Azeez DI, Aremu HK (2026). Calcium nanoparticle-assisted phytostabilisation of toxic metals enhances soil-dependent improvements in the nutritional and safety profile of *Amaranthus hybridus*. *International Journal of Phytoremediation*. <https://doi.org/10.1080/15226514.2026.2729109>
- v. Fajingbesi A.O., Lateef A., **Azeez L.**, Mishra D. (2026). Pomegranate peel-derived AgNPs for enhanced food safety: Insights into eco-friendly synthesis, antimicrobial, anti-weevil and jute sack functionalization applications. *Next Nanotechnology*. 7, 100244.
- vi. Ayinde YT, **Azeez L**, Popoola SA, Bolarinwa HS, Awolola OS, Sulaiman WK, Oladeji RD (2026). Fabrication of tripartite green-synthesised AgNPs/Nanobiochar/Co-MOF

- composite for adsorptive removal of methylparaben: adsorption, mechanistic and thermodynamic investigations. *Fountain Journal of Natural and Applied Sciences* 2026; 15(01): 15-35
- vii. Ayinde YT, **Azeez L.**, Saheed A. Popoola, Segun A. Adebisi, Abayomi A. Oladejo, Saheed Basiru, Agbaogun BK., Oladeji RD (2025). Experimental and Density Functional Theory-guided mechanistic insights into triclosan removal using tripartite AgNPs/nanobiochar/Co-MOF composite. *Cleaner Water*. 4, 100156.
 - viii. Abuh OO, Surakat OA, **Azeez L.**, Rufai AM, Fasasi K, Adeleke M (2025). Green synthesized silver and iron nanoparticles from *Alstonia boonei* and *Terminalia catappa* as antimicrobial agents in mice models. *Journal of Parasitic Diseases*, 49, 951-964.
 - ix. **Azeez, L.**, Adetoro, R. O., Agbaogun, B. K., Oyedeji, A. O., Busari, H. K., Oladejo, A. A., Makanjuola, A. O. (2025). Variability in microplastic abundance, bisphenol A contamination, antioxidant properties, and health risks associated with vegetable consumption. *Beni-Suef University Journal of Basic and Applied Sciences*, 14(1), 36.
 - x. **Azeez L.**, Adejumo AL, Oladejo AA, Olalekan B, Basiru S, Oyelami OK, Makanjuola AO, Ogungbe V, Hammed A, Abdullahi M (2025). Exploiting the synergistic influence of AgNPs- TiO₂NPs: enhancing phytostabilization of Pb and mitigating its toxicity in *Vigna unguiculata*, *International Journal of Phytoremediation*. 27(2), 233 – 243.
 - xi. Kolawole, T.O., Olajide-Kayode, J.O., **Azeez, L.** (2025) Health risk assessment of potentially toxic elements in dust and soils of used lead-acid battery shops, Nigeria. *Int. J. Environ. Sci. Technol.* (2025). <https://doi.org/10.1007/s13762-025-06512-3>.
 - xii. Oladeji RD., **Azeez L.**, Agbaogun BK., Muhammed-Lawal S., Oladejo AA, Aremu HK., Busari HK., Awolola OS., Hammed A. (2025). Seasonal dynamics of micro- and nanoplastics and associated pollutants in Aarin River: Insights into abundance and and digestion impacts. *Cleaner Water*. 3, 100059. <https://doi.org/10.1016/j.clwat.2024.100059>.

- xiii. **Azeez L.**, Oyedeji A.O., Adedotun I.S., Adeleke A.E. (2024). Nanotechnology to monitor, remedy, and prevent pollution: An overview. Chapter 2. Nanotechnology to monitor, remedy, and prevent pollution. In: Bilal M., Iqbal H.F.M., Nguyen T.M., Yasin G., Gupta R.A. (eds). Pp 25 – 40
- xiv. **Azeez L.**, Lateef A., Adelere I.A. (2024). Environmental behaviour and fate of nanomaterials in soil–plant interaction. Chapter 7. Microbiome and Nano-CrossTalk, Sustainable Agriculture and Beyond. In: Vishwakarma K., Kumar N., Lateef A. (eds). Pp 149–186.
- xv. Yusuf-Saliyu B.O., Lateef A., **Azeez L.** (2024). Phytochemical profiling of wastes from the processing of shea butter (*Vitellaria paradoxa*) and pharmacological potentials within the paradigm of circular bioeconomy: Emphasizing antioxidant and antidiabetic applications. *Cleaner and Circular Bioeconomy*. 9: 100107. <https://doi.org/10.1016/j.clcb.2024.100107>.
- xvi. Yusuf-Omoloye N.A., Adeyemi F.M., Sule W.F., **Azeez L.**, Oyedara O.O., Wahab A.K., Ajigbewu O.H., Lateef A. (2024). Green-synthesis, characterization, and antibacterial activity of *Azanza garckeana* seed extract silver nanoparticles against vancomycin-resistant *Enterococci*. *Next Nanotechnology*. 6, 100035. <https://doi.org/10.1016/j.nxnano.2023.100035>
- xvii. Sulaiman W.K., **Azeez L.**, Adebisi S.A., Wahab O.O. Agbaogun B.K. (2024). Exploring zero-valent iron nanoparticles (nZVI) for Bisphenol A removal: Experimental investigations and Monte-Carlo simulation insights. *Water Practice and Technology*. 19(8): 3416 – 3438. <https://doi.org/10.2166/wpt.2024.209>.
- xviii. Aremu H.K., Oyewole O.I., Adenmosun A., Oyafajo L., Iwalewa Z.O., Ademola A., **Azeez L.**, Adeleke M.A. (2024). Bioactive components in *Psidium guajava* extracts elicit biotoxic attributes and distinct antioxidant enzyme modulation in the larvae of vectors of lymphatic filariasis and dengue. *Experimental Parasitology*. 261, 108766. <https://doi.org/10.1016/j.exppara.2024.108766>.
- xix. Aremu H.K., Dare C.A., Adekale I.A., Adetunji B.D., Musa D.A., **Azeez L.**, Oyewole O.I. (2024). Phytomediated stress modulates antioxidant status, induces overexpression

- of CYP6M2, Hsp70, α -esterase, and suppresses the ABC transporter in *Anopheles gambiae* (*sensu stricto*) exposed to *Ocimum tenuiflorum* extracts. *PLoS ONE* 19(5): e0302677. <https://doi.org/10.1371/journal.pone.0302677>
- xx. **Azeez L.**, Oyinlola A., Oyedeji A.O., Agbaogun B.K., Busari H.K., Adejumo A.L., Agbaje W.B., Adeleke A.E., Awolola O.S. (2024). Facile removal of rhodamine B and metronidazole with mesoporous biochar prepared from palm tree biomass: adsorption studies, reusability, and mechanisms. *Water Practice and Technology*. 19(4), 730 – 744.
 - xxi. Oyedeji A.O., Odeyemi B.A., **Azeez L.** (2024). Dietary risk assessment of cyromazine and its analogue melamine in evaporated and infant milk samples in Nigeria. *Journal of Food Quality and Hazards Control*. 11: 39-46.
 - xxii. **Azeez L.**, Oladejo A.A., Adejumo A.L., Kolawole T.O., Aremu H.K., Busari H.K., Oyedeji O.A. (2023). A synergistic combination of selenium nanoparticles, goldmine soil and water disrupt phytomorphological and biochemical parameters of *Abelmoscuscus esculentus*. *Journal of Hazardous Materials Advances*. 10, 100304.
 - xxiii. **Azeez L.**, Lateef A., Olabode O. (2023). An overview of biogenic metallic nanoparticles for water treatment and purification: the state of the art. *Water Science and Technology*. 88(4), 851-873. <https://doi.org/10.2166/wst.2023.255>.
 - xxiv. **Azeez L.**, Adeleke A.E., Popoola S.A., Busari H.K., Agbaje W.B., Ojewuyi S.S., Oluwafemi I.I., Oladeji R.D., Adetoro O.R. (2023). Dye degradation and molecular docking mechanism of *Terminalia catappa* mediated mesoporous titanium dioxide nanoparticles. *Inorganic Chemistry Communications*. 153, 110873.
 - xxv. **Azeez L.**, Adekale I, Olabode A.O (2023). Implications of Green Nanomaterials for Environmental Remediation. Chapter 36. Handbook of green and sustainable nanotechnology; fundamentals, developments and applications. In: Shanker, U., Hussain, C.M., Rani, M. (eds) Handbook of Green and Sustainable Nanotechnology. Pp 863–880. Springer, Cham.
 - xxvi. **Azeez L.**, Aremu HK, Busari HK, Adekale I, Olabode OA, Adewinbi S. (2023). Biofabrication of titanium dioxide nanoparticles with *Terminalia catappa* bark extract:

Characterization, antioxidant activity and plant modulating ability. *Inorganic and Nano-Chemistry*. <https://doi.org/10.1080/24701556.2023.2184386>.

- xxvii. Adejumo AL, **Azeez L**, Kolawole TO, Aremu HK, Adedotun IS, Oladeji RD, Adeleke AE, Abdullah M. (2023). Silver nanoparticles strengthen *Zea mays* against toxic metal-related phytotoxicity via enhanced metal phytostabilization and improved antioxidant responses. *International Journal of Phytoremediation*. 25 (12), 1676 – 1686.
- xxviii. Oyedeji A.O., Sanusi M.A., **Azeez L**, Ayedun H. (2023). Elemental pollution status of different components of Ologe Lagoon, Lagos, Nigeria. *Water Practice and Technology*. 18(6), 1404 – 1417.
- xxix. Kolawole T.O., Olajide-Kayode J.O., Afolabi O.O., **Azeez L**, Anifowose A.J., Aladejana J.A. (2023). Lead and lead isotopes as tracers of soil contamination in southwestern Nigeria. *Journal of Trace Elements and Minerals*. 5, 100086.
- xxx. Aremu HK, **Azeez L**, Adekale IA, Busari HK, Adebayo ZA, Disu, A, Usman HN, Adeyemo OM, Oyewole OI. (2023). Biototoxicity of *Azadirachta indica*-synthesized silver nanoparticles against larvae of *Culex quinquefasciatus*. *South African Journal of Botany*. 153, 308 – 314.
- xxxi. Busari H.K., **Azeez L**, Aremu H.K., Ayinla S.O., Jinadu L.A., Obaleye J.A. (2023). Zinc and Copper Complexes of 4-Methylbenzoic Acid and 2-Methylimidazole: Synthesis, Characterization, Antimicrobial and Molecular Docking Studies. *The Chemist: Journal of American Institute of Chemists*. 94(2), 1- 15.
- xxxii. **Azeez L**, Oyedeji AO, Aremu HK, Busari HK, Adekale I, Olabode OA (2022) Silver nanoparticles-cow dung combination disrupts physiology, enzyme activities with corresponding increased oxidative stress and heavy metal accumulation in *Abelmoschus esculentus*. *Bulletin of Environmental Contamination and Toxicology*. 108, 893 – 899.
- xxxiii. **Azeez L**, Adebisi S.A., Adejumo A.L., Busari H.K., Aremu H.K., Olabode O.A., Awolola O. (2022). Adsorptive properties of rod-shaped silver nanoparticles-functionalized biogenic hydroxyapatite for remediating methylene blue and congo red. *Inorganic Chemistry Communications*. 142, 109655.

- xxxiv. **Azeez L.**, Adetoro R.O., Busari H.K., Aremu H.K., Adeleke J.T., Adewinbi S., Olabode O.A., Ayandayo I. (2022). AgNPs-TiO₂NPs doped calcined hydroxyapatite for effective removal of ibuprofen and Acetaminophen. *International Journal of Environmental Analytical Chemistry*. <https://doi.org/10.1080/03067319.2022.2106434>.
- xxxv. **Azeez L.**, Adebisi S.A., Adetoro R.A., Oyedeji A.O., Agbaje W.B., Olabode O.A. (2022). Foliar application of silver nanoparticles differentially intervenes remediation statuses and oxidative stress indicators in *Abelmoschus esculentus* planted on gold-mined soil. *International Journal of Phytoremediation*. 24(4), 384-393.
- xxxvi. **Azeez L.**, Aremu HK, Olabode OA (2022) Bioaccumulation of silver and impairment of vital organs in *Clarias gariepinus* from co-exposure to silver nanoparticles and cow dung contamination. *Bulletin of Environmental Contamination and Toxicology*. 108, 694 – 701.
- xxxvii. **Azeez L.**, Salau A.K., Ogunbode S. M. (2021). Immobilization efficiency and modulating abilities of silver nanoparticles on biochemical nutritional parameters in plants: Possible mechanisms. Chapter 10. Silver nanomaterials for agri-food applications. Pp. 235 – 264. In: Abd-Elsalam K. (Ed). <https://doi.org/10.1016/B978-0-12-823528-7.00018-4>.
- xxxviii. **Azeez L.**, Lateef A., Adetoro R.A., Adeleke A.E. (2021). Responses of *Moringa oleifera* to alteration in soil properties induced by calcium nanoparticles (CaNPs) on mineral absorption, physiological indices and photosynthetic indicators. *Beni-Suef University Journal of Basic and Applied Sciences*. 10, 39.
- xxxix. **Azeez L.** (2021). Detection and evaluation of nanoparticles in soil environment. Chapter 3. In: Abdeltif A., Mohan D., Nguyen T.A., Asadi A.A., Yasin G. (Eds). Environmental impact of nanomaterials in soil. Nanomaterials for soil remediation. Micro and nanotechnology book series. Pp. 33 – 63. <https://doi.org/10.1016/B978-0-12-822891-3.00003-7>. ISBN: 9780128230824.
- xl. Lawal A.T., **Azeez L.**, Sulaiman W.K. (2021). Silver nanoparticles (AgNPs) alleviate naphthalene-triggered oxidative stress and physiological deficiencies in *Moringa oleifera*. *Chemistry and Ecology*. 37(1), 15 – 31.

- xli. Oyedeji A.O., Odeyemi B., Adewuyi S., **Azeez L. (2021)**. Physical properties, chemical composition and nutritional quality potentials of *Lonchocarpus sericeus* (Cube root) seeds and seed oil. *Walailak Journal of Science and Technology (now Trends in Sciences)*, 18(2), 7025.
- xlvi. **Azeez L.**, Adejumo A. L., Oyedeji A.O., Adebisi S.A, Busari H.K. (2021). Extraction, characterization and methyl orange sequestration capacity of cellulose nanocrystals derived from sugarcane bagasse: Experimental and regression modelling. *Physical Chemistry Research*. 9(3), 447-465.
- xlvi. **Azeez L.**, Adejumo A. L., Asaolu S.S., Adeoye M.D., Adetoro R.O. (2020). Functionalization of rice husk with Ortho-phosphoric acid enhanced adsorptive capacity for anionic dye removal. *Chemistry Africa*. 3, 457-467.
- xlvi. Oyedeji A.O., Odeyemi B.A., Omoyeni O.C., **Azeez L.** (2021). Biologically active compounds in *Delonix regia* (Flame of forest) seed oil extracted by hexane. *Songklanakarin Journal of Science and Technology*. 43(5), 1507-1511.
- xlvi. **Azeez L.**, Lateef A., Adejumo A. L., Adeleke T. A., Adetoro R. O., Mustapha Z. (2020). Adsorption behaviour of Rhodamine B on hen feather and corn starch functionalized with green synthesized silver nanoparticles (AgNPs) mediated with cocoa pod extract. *Chemistry Africa*. 3, 237 – 250.
- xlvi. **Azeez L.**, Adejumo A. L., Ogunbode S.M., Lateef A. (2020). Influence of calcium nanoparticles (CaNPs) on nutritional qualities, radical scavenging attributes of *Moringa oleifera* and risk assessments on human health. *Journal of Food Measurement and Characterization*. 14, 2185 – 2195.
- xlvi. Adejumo A. L., **Azeez L.**, Oyedeji A.O, Adetoro R.O., Aderigbigbe F.A. (2020). Nanostructured and surface functionalized corncob as unique adsorbents for anionic dye remediation. *SN Applied Sciences*. 2: 301.
- xlvi. **Azeez, L.**, Lateef A., Wahab, A.A., Adejumo, A.L., Raji, K. (2019) Comparative effects of silver nanoparticles, sucrose and sodium chloride as osmotic solutions for tomato slices: antioxidant activity, microbial quality and modelling with polynomial regression model. *South African Journal of Chemistry*. 72 (1), 21 – 31.

- xlix. **Azeez, L.**, Adebisi, S.A., Oyedeji, A.O., Adetoro, R.O., Tijani, K.O. (2019). Bioactive compounds' contents, drying kinetics and mathematical modelling of tomato slices influenced by drying temperatures and time. *Journal of the Saudi Society of Agricultural Sciences*. 18, 120 – 126.
- l. **Azeez L.**, Lateef A., Wahab, A.A., Rufai, M.A., Salau, A.K., Ajayi, E.I.O, Ajayi, M., Adegbite, M.K., Adebisi, B. (2019) Phytomodulatory effects of silver nanoparticles on *Corchorus olitorius*: Its antiphytopathogenic and hepatoprotective potentials. *Plant Physiology and Biochemistry*. 136, 109-117.
- li. **Azeez L.**, Lateef A., Wahab, A.A., Adejumo, A.L., Raji, K. (2019) Comparative effects of silver nanoparticles, sucrose and sodium chloride as osmotic solutions for tomato slices: antioxidant activity, microbial quality and modelling with polynomial regression model. *South African Journal of Chemistry*. 72 (1), 21 – 31.
- lii. **Azeez L.**, Adejumo A. L., Lateef A., Adebisi S. A., Adetoro R. O., Adewuyi S., Tijani K. O., Olaoye S. (2019). Zero-valent silver nanoparticles attenuate Cd and Pb toxicities on *Moringa oleifera* via immobilization and induction of phytochemicals. *Plant Physiology and Biochemistry*. 139, 283-292.
- liii. Amuda O.S., Adetoro R. O., **Azeez L.**, Adebisi S. A., Adejumo A. L. (2019). Temperature-dependent synthesis and characterization of Hydroxyapatite (HAP) Sorbent from Periwinkle Shell. *Journal of Chemical Society of Nigeria*. 44(7), 1298 – 1303.
- liv. Ogunbode SM., Salau A.K., **Azeez L.**, Osineye S.O., Olaogun O.O., Adebisi J.O., Akinlade H.O., Isa F.O. (2019). Carcass characteristics and selected tissue enzymes activities of birds injected with cocoa pod extract-mediated silver nanoparticles (CPHE-AgNPs) at day old. *Science Focus*. 23 (2), 81 – 90.
- lv. **Azeez L.**, Lateef A., Adebisi, S.A., Oyedeji, A.O., Adetoro R.O. (2018) Novel biosynthesized silver nanoparticles from cobweb as adsorbent for Rhodamine B: equilibrium isotherm, kinetic and thermodynamic studies. *Applied Water Science*. 8, 32.

- lvi. **Azeez L.**, Oyedeji O.A., Adebisi S.A., Adejumo A.L., Tijani K.O. (2017). Chemical components retention and modelling of antioxidant activity using neural networks in oven dried tomato slices with and without osmotic dehydration pre-treatment. *Journal of Food Measurement and Characterization*. 11 (4): 2247-2258.
- lvii. **Azeez, L.**, Lateef A., Adebisi, S.A. (2017). Silver nanoparticles (AgNPs) biosynthesized using pod extract of *Cola nitida* enhances antioxidant activity and phytochemical composition of *Amaranthus caudatus* Linn. *Applied Nanoscience*. 7 (1-2), 59–66.
- lviii. Oyedeji O.A. **Azeez L.**, Osifade B.G. (2017). Chemical and Nutritional Compositions of Flame of Forest (*Delonix regia*) Seeds and Seed Oil. *South African Journal of Chemistry*. 70, 16 – 20.
- lix. Lateef A., Azeez M.A., Asafa T.B., Yekeen T.A., Akinboro A., Oladipo I.C., **Azeez L.**, Ajibade S.E., Ojo S.A., Gueguim-Kana E.B., Beukes L.S. (2016). Biogenic synthesis of silver nanoparticles using a pod extract of *Cola nitida*: Antibacterial and antioxidant activities and application as a paint additive. *Journal of Taibah University of Science*. 10 (4), 551-562.
- lx. Lateef A., Azeez M.A., Asafa T.B., Yekeen T.A., Akinboro A., Oladipo I.C., **Azeez L.**, Ojo S.A., Gueguim-Kana E.B., Beukes L.S. (2016). Cocoa pod husk extract-mediated biosynthesis of silver nanoparticles: its antimicrobial, antioxidant and larvicidal activities. *Journal of Nanostructure in Chemistry*. 6, 159 – 169.
- lxi. Lawal A.T., Adeoye M.D, Abdulazeez A.T, **Azeez L.**, Yakubu A.S., Mciver F.A, Oladimeji A.O (2016). Phytochemical, proximate and mineral composition of *Gmelina arborea* fruits (White Teak). *Fountain Journal of Natural and Applied Sciences*. 5(1), 12-18.
- lxii. Lateef A., Ojo S.A., Akinwale A.S., **Azeez L.**, Gueguim-Kana E.B., Beukes L.S. (2015). Biogenic synthesis of silver nanoparticles using cell-free extract of *Bacillus safensis* LAU 13: antimicrobial, free radical scavenging and larvicidal activities. *Biologia (Cellular and Molecular Biology)*. 70(10), 1295-1306.
- lxiii. **Azeez L.**, Salau A.K, Adewuyi S.O, Osineye S.O., Tijani K.O., Balogun R.O. (2015). Safety Evaluation of Osun River Water Containing Heavy Metals and Volatile Organic Compounds (VOCs) in Rats. *Nigerian Journal of Physiological Sciences*. 30, 103-109.

- lxiv. Olajire A.A. and **Azeez L.** (2014). Source apportionment and ozone formation potential of volatile organic compounds in Lagos, Nigeria. *Chemistry and Ecology*. 30(2), 156-168.
- lxv. Olajire A.A. and **Azeez L.** (2012). Effects of *Solanum macrocarpon* on haematological and biochemical parameters of male albino rats exposed to urban air pollution: *Advances in Environmental Research*. 1(2), 109-123.
- lxvi. **Azeez L.**, Atanda O, Adeoye M.D, Lawal A.T., Agbaogun B, Abdulsalami I.O, Majolagbe T.A. (2012). Indoor exposure to hazardous air pollutants and volatile organic compounds in low-income houses in Lagos, Nigeria. *Advances in Environmental Research*. 1(4), 277-288.
- lxvii. **Azeez L.**, Oyedeji O.A., Abdulsalami I.O., Adewuyi S.O. (2013). Characterization of Odorous Compounds in Air, Leachate, Stream and Well in and around Tajua-Bello Dumpsite, Lagos, Nigeria. *Advances in Environmental Research*. 2(2), 143-53.
- lxviii. Oloyede, O. B., Salau, A. K., Akeusola, R. T. Ganiyu, O. T., **Azeez, L.**, Ogunbode, S. M. (2012). Phytochemical content, radical scavenging and antibacterial properties of aqueous extract of *Jatropha curcus Linn* leaves. *Fountain Journal of Natural and Applied Sciences*. 1(1), 41-48.
- lxix. **Azeez L.**, Adeoye M.D., Ganiyu O.T., Abdulsalami I.O., Majolagbe T.A., Lawal A.T. (2012). Influence of microbial contamination on antioxidant composition and free radicals scavenging effects of fresh and decaying spices. *Fountain Journal of Natural and Applied Sciences*. 1(1), 55-64.
- lxx. Olajire A. A., **Azeez L.** and Oluyemi E.A. (2011). Exposure to hazardous air pollutants along Oba-Akran Road, Lagos Nigeria: *Chemosphere*. 84, 1044-1051.
- lxxi. Okiei, W., Ogunlesi, M., **Azeez, L.**, Osunsanmi, M., Obakachi, V. and Golda, N. (2009). The Voltammetric and Titrimetric Determination of Ascorbic Acid Levels in Tropical Fruit Samples. *International Journal of Electrochemical Science*. 4 (2), 276-287. [https://doi.org/10.1016/S1452-3981\(23\)15128-5](https://doi.org/10.1016/S1452-3981(23)15128-5).
- lxxii. Ogunlesi, M., Okiei, W., **Azeez, L.**, Osunsanmi, M., Obakachi, V., and Golda, N. (2010). Vitamin C content of tropical vegetables and foods determined by Voltammetric and Titrimetric methods and their Relevance to the Medicinal Uses of

Plants. *International Journal of Electrochemical Science*. 5 (1), 105-115.
[https://doi.org/10.1016/S1452-3981\(23\)15270-9](https://doi.org/10.1016/S1452-3981(23)15270-9).

8. Community and Leadership

- President, UNIOSUN Islamic Cooperative Society (2015–2020)
- Chairman, Al-Ansor Trust Fund, Osun Chapter (2021–present)
- Volunteer, Ife Prison & Motherless Babies' Home (2015–present)



14/05/2026