

Oluwaseun Adeyemi

Environmental Geochemistry, University of Texas at Dallas, USA

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EDUCATION

- The University of Texas at Dallas (Environmental Geochem.) | Ph. D. August 2023 – Recent
- University of Georgia, Athens, GA (Geology) | M.S. August 2023
- Federal University Lokoja | Lokoja, Nigeria (Geology) | B.Sc. Dec 2019, Honors (top 2% of my cohorts)

SKILLS & KEY ATTRIBUTES

- Technical & Analytical:** X-ray diffraction analysis, sample preparation for geochemical analyses, soil mapping, statistical programming (R), Mineral synthesis, and quantitative XRD (Rietveld analysis).
- Programming & Software:** XRD commander, DiffraC.Eva, R, TOPAS, and MS office.
- Communication skills:** scholarly presentations, technical writing, and oral communication.
- Other strengths:** Equipment maintenance, attention to detail, hardworking, positive team spirit, leadership, problemsolving, and empathy.

RECENT WORK EXPERIENCE

- August 2023 - Recent | **Graduate Research Assistant (GRA), University of Texas at Dallas:** My research is focused on studying climate change's impacts on the fate of arsenic in major oxide systems (Iron, aluminum and manganese).
- August 2023 - Recent | **Graduate Teaching Assistant (GTA), University of Texas at Dallas:** I am a Teaching Assistant for GEOS 2310 – Environmental Geology, GEOS 1103.001 & 002 - Physical geology and ISNS 2367.0W2 – The Oceans.
- May 2023 – August 2023 | **Temporary Tech Professional-XRD Lab Assistant, University of Georgia:** I prepared, analyzed and quantified bulk and clay minerals using XRD DiffraC.Eva, and Topas.
- August 2021 – May 2023 | **Graduate Research Assistant (GRA), University of Georgia:** I prepared samples for geochemical analyses (bulk and clay), XRD characterization of bulk and clay mineralogy, quantitative using Rietveld analysis, and statistical analysis using R programming. I also participated in the Reynolds Cup competition.
- March 2020 – February 2021 | **Intern, Oyo State Mineral Development Agency, Nigeria:** Geophysical survey and mineral prospecting.
- March 2018 - October 2018 | **Intern, Nigerian Geological Survey Agency, Kaduna | Nigeria:** Geochemical analyses of rocks and minerals using PANALYTICAL Empyrean diffractometer DY674 (2010) and XRF machine (minipal"4), petrographic and mineralogical studies, and sample preparation (crushing, homogenization/mixing, re-sampling, drying, pulverization, and packaging of samples).

TEAM/VOLUNTEER EXPERIENCE

- Judge and Head Judge, Virginia Junior Academy of Science 2024 Annual Meeting & Research Symposium
 - General Secretary, African Graduate Students' Forum – University of Georgia, USA, 2022
 - Friends of Mandela Washington Fellows - University of Georgia, USA, 2022.
 - Course Representative - Department of Geology, Fulokoja, Nigeria, 2019.
 - Chairman, Constitution Committee - NMGS, Federal University Lokoja, Student's Chapter, 2019.
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SPECIAL HONORS & AWARDS

- Merit tuition waiver award & Graduate Research Assistantship, University of Texas at Dallas, August 2023 – Recent
- Department of Sustainable Earth System Sciences, UT Dallas Scholarship Award, April 2024
- 2nd place poster award at the Clay Mineral Society (CMS) annual meeting, May 2023
- Graduate School Student Travel Award, University of Georgia, April 2023
- Watts-Wheeler Scholarship Award, University of Georgia, March 2023
- GSA Travel Award NE/SE Sectional Meeting in Virginia, March 2023
- Clay Mineral Society Travel Award, March 2023
- Merit tuition waiver award & Graduate research assistantship, University of Georgia, August 2021 – May 2023
- Most supportive student, Nigerian Mining and Geoscience Society, Federal University Lokoja Students Chapter, 2019.

PROFESSIONAL AFFILIATIONS

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| • Member, Clay Minerals Society | Since 2022 |
| • Member, National Association of Black Geoscientists | Since 2022 |
| • Member, Geological Society of America | Since 2022 |
| • Member, ASA, CSSA, SSSA | Since 2024 |

Poster Presentation

1. **ADEYEMI, Oluwaseun** and SCHROEDER, Paul. *Mineralogy of Per-and Polyfluoroalkyl Substances (PFAS) Contaminated Soils from Agricultural Fields in Society Hill, South Carolina*. Joint 72nd GSA Annual Southeastern/ 58th Annual Northeastern Section Meeting – 2023
2. **ADEYEMI, Oluwaseun** and SCHROEDER, Paul. *Clay Mineralogy of Per-and Polyfluoroalkyl Substances (PFAS) Contaminated Soils from Agricultural Fields in Society Hill, South Carolina*. 60th Annual Meeting- The Clay Mineral Society– 2023

Academic Publication

1. **ADEYEMI, Oluwaseun** and SCHROEDER, Paul. *Mineralogy of Per-and Polyfluoroalkyl Substances (PFAS) Contaminated Soils from Agricultural Fields in Society Hill, South Carolina*. MS Thesis. 2023
https://esploro.lib.uga.edu/esploro/outputs/9949574625702959?institution=01GALI_UGA&skipUsageReporting=true&recordUsage=false

Publication Under Review

1. Marina G. Evich, James Ferreira, **Oluwaseun Adeyemi**, Paul A. Schroeder, Jason C. Williams, Brad Acrey, Diana Burdette, Malcolm Grieve, Michael P. Neill, Kevin Simmons, Brian C. Striggow, Samuel B. Cohen, Mike Cyterski, Donna A. Glinski, W. Matthew Henderson, Du Yung Kim, John W. Washington. *Control on fate of PFAS in the subsurface by minerals globally distributed in soils and aquifers. (under review in Nature)*.

Professional Meetings Attended

- 2023 Clay Mineral Society Meeting. May 20-25, 2023. Austin, TX.
- 2023 GSA NE/SE regional meeting. March 17-19, 2023. Reston, VA.
- 2022 National Association of Black Geoscientists Meeting. September 7-10, 2022. Houston, TX.

Reference

Available on request