

Alfred Navokhi Apaji

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EDUCATION

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| M. Sc. Environmental Engineering (In View) | 2024 |
| Newcastle University, United Kingdom (UK) | |
| B. Tech (Hons) Industrial Chemistry, First Class | 2019 |
| Modibbo Adama University of Technology (MAUTECH), Yola, Nigeria | |

RESEARCH EXPERIENCE

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| M. Sc Coursework taught by Prof. David Graham and Prof. David Werner | 10/2023 |
| <ul style="list-style-type: none">Designed a conceptual gravity-fed water supply pipeline for a rural community in Nepal achieving 80%Analysed faecal contamination caused by combined sewer overflows in the river Ouseburn using standard traditional methods and DNA sequencing scoring 69% | |
| Postgraduate Student | |
| School of Agriculture and Engineering (SAgE), Newcastle University, UK | 2023 |
| <ul style="list-style-type: none">Prepared and presented a PowerPoint presentation on “Self-Introduction and Continuing Professional Development as an Engineering Student” achieving 84% | |
| Undergraduate Project Student , guided by Dr Jibrin Adamu Ndahi | 2019 |
| Department of Chemistry, MAUTECH, Yola | |
| <ul style="list-style-type: none">Conducted heavy metals analysis using Atomic Absorption Spectroscopy and assessed bacteriological activities of water samples using the plate count method achieving 72% | |

AWARDS AND SCHOLARSHIPS

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| <ul style="list-style-type: none">Prize for Best Presentation in the Environmental Engineering Core Skills Module | 2023 |
| Awarded for attaining the highest standards in my presentation. | |
| <ul style="list-style-type: none">The UK Government’s Commonwealth Shared Scholarship | 2023 |
| Granted a fully funded scholarship of over 44,844 GBP for an MSc in Environmental Engineering tenable at Newcastle University for the 2023/2024 academic year. | |
| <ul style="list-style-type: none">University of Bristol’s Think Big Scholarship | 2023 |
| Selected for a scholarship of 16,000 GBP for an MSc in Water and Environmental Management for the 2023/2024 academic year. (Declined) | |
| <ul style="list-style-type: none">Nigeria Jubilee Fellowship Programme | 2022 |
| Merit award worth 1,000 GBP allocated to talented Nigerian graduates. | |
| <ul style="list-style-type: none">Department of Chemistry’s Prize for Best Graduating Student | 2019 |

VOLUNTEERING AND LEADERSHIP EXPERIENCE

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| Project Manager , managed by Onyeka Nwigwe | 2020 - Date |
| African Resilient Initiative for Community and Sustainable Development (AfRICOSUD) | |
| <ul style="list-style-type: none">Led a teacher training session for over 20 teachers within Jalingo on global citizenship education particularly to enable teachers to teach environmental problems and their solutions to their students | |

President, supervised by Mrs. Nwaeze Benedicta 2019 - 2020
SDG Group, Community Development Service of the National Youth Service Corp

- Initiated weekly environmental sanitation and cleaning leading to 2 days increase in sanitation within a week around Lapai Market

Secretary-General, monitored by Dr Jibrin Adamu Ndahi 2018 – 2019
Students' Chemical Society of Nigeria, MAUTech Chapter

- Took tutorial lessons for first-year undergraduates in organic and environmental chemistry improving their performances by 5% within an academic session

MENTORING EXPERIENCE

Facilitator and Mentor, Postgraduate Opportunities Webinars 2023

- Curated tips on securing graduate opportunities including how to craft academic CVs, email etiquette and essay writing to underrepresented graduates from Africa using Zoom.

PROFESSIONAL EXPERIENCE

Quality Control Officer 2022 – Date
Taraba State Agency for Water, Sanitation Services Regulation and Control (TAWASREC), Jalingo, Taraba State, Nigeria

- Investigated water samples to ensure they meet the drinking water quality as developed by National Standards for Drinking Water Quality
- Liaised with other scientific officers to regulate water service providers within Taraba State by developing guidelines which are in line with global best practices

Graduate and Research Assistant 2019 – 2020
Ibrahim Badamasi Babangida (IBB) University, Lapai, Niger State, Nigeria

- Aided in teaching and grading first-year chemistry students
- Participated in organising seminars, conferences and faculty meetings

Intern, Department of Quality Control 2017 – 2018
Taraba State Water Supply Agency, Jalingo, Nigeria

- Carried out physicochemical analysis in water samples using a DR-6000 spectrophotometer

SKILLS AND CORE COMPETENCIES

- Water supply design (EPANET)
- Spectrophotometric analysis
- DNA analysis
- Excellent Communication in written and spoken English
- Excellent Teamwork

SEMINARS ATTENDED

- Algal-based Wastewater Treatment, presented by Prof. Gary Caldwell at Cassie Building, Newcastle University, UK 2023

PROFESSIONAL MEMBERSHIP

Student Member 2023 - Date
Institute of Water, United Kingdom

ACADEMIC WRITING SAMPLES

- Investigation of Water Quality and Sources of Contamination in Stormwater Drainage Systems into the Ouseburn River, Old Newcastle: A Coursework Submitted to the Department of Civil Engineering, Newcastle University.
- Gravity-fed Water Supply System for a Rural Community in Nepal: A Coursework submitted to the Environmental Engineering Group, Newcastle University, UK.