

LIADI Musiliu Adeyemi

Geosciences Department, KFUPM,
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Highly motivated, resourceful and innovative graduate student with theoretical and proven practical skills and research abilities

EDUCATION

Degree	Institution	Year of Completion
M Sc. Environmental Sciences (Distinction)	King Fahd University of Petroleum & Minerals (KFUPM), Dhahran, Saudi Arabia	May, 2017
B. Agric (Plant Science) (Second class Upper division)	Obafemi Awolowo University (OAU), Nigeria	October, 2012

Grade-Point Average (GPA)

Degree	CGPA
MSc	3.84/4.0
BSc	4.20/5.0

LANGUAGE SKILLS

English, Arabic and Yoruba

WORK EXPERIENCES

- 2016 – 2017 **Teaching Assistant** for Environmental Geology Course, Earth science Department, KFUPM.
- 2015 – 2016 **Project Research Assistant**, National Scientific and Technological Innovation Program (NSTIP), KFUPM-UoD collaborative project, Saudi Arabia
- 2014 – 2017 **Assistant Research Scientist (Part Time)**, Marine and Benthos Lab, Centre for Environment and Water, Research Institute, KFUPM, Saudi Arabia.
- 2013 – 2014 **Basic Science Teacher**, Bi-Idhnillah International College, Igando, Lagos, Nigeria
- 2012 – 2013 **Graduate Assistant**, Department of Agronomy, College of Agriculture, University of Osun, Osun state, Nigeria (National Youth Service Course).

- 2009-2011 **Fellow** of Harambe Incubator for Sustainable Agriculture and Rural Development, Obafemi Awolowo University, Nigeria
- 2004 – 2006 **Teacher**, Fausus Salaam International School, Suberu Oje, Agbado Ijaye, Lagos.

LABORATORY SKILLS

Basic knowledge in operation and theory of;

- Ion chromatography (IC), GC-MS, SEM, XRD, TGA, Microwave Digester, FTIR
- Growing cyanobacteria and isolating bacteria in the lab for the assessment of their abilities to biodegrade crude oil and hydrocarbons.
- Assessment of total petroleum hydrocarbon (TPH) and polycyclic aromatic hydrocarbons (PAHs) in sediments and water using spectrophotometer.
- Preparation of samples for treatment of MTBE-contaminated water using solar radiation, UV, advanced oxidation, nanoparticles and titanium oxides
 - Soil Extraction for assessment of pH, Electrical Conductivity, Mercury and heavy metal.

IT AND MODELING SKILLS

- Geographic mapping and database management in Geographic Information System (GIS) using ArcGIS;
- Statistical analysis with MS Excel, Minitab and RSM;
- Microsoft office packages and Mendeley (referencing tools).

PUBLICATIONS

M.A. Liadi, N. Dalhat, N. Jarrah, M. Zubair, O. Alagha, M.A. Al-harhi, M.H. Essa, Comparative performance study of ZnCl₂ and NaOH sludge based activated carbon for simultaneous aqueous uptake of phenolic compounds, *Int. J. Environ. Anal. Chem.* (2020) 1–25. doi:10.1080/03067319.2019.1704746.

M. A. Liadi, B. Tawabini, R. Shawabkeh, N. Jarrah, T. A. Oyehan, A. Shaibani, and M. Makkawi, “**Treating MTBE-contaminated water using sewage sludge-derived activated carbon**,” *Environ. Sci. Pollut. Res.*, pp. 1–11, Aug. 2018. DOI:10.1007/s11356-018-2737-0

T.A. Oyehan, **M.A. Liadi**, I.O. Alade, Modeling the efficiency of TiO₂ photocatalytic degradation of MTBE in contaminated water: a support vector regression approach, *SN Appl. Sci.* 1 (2019) 386. doi:10.1007/s42452-019-0417-4.

M. A. Liadi, Bassam S. T. Shawabkeh R., Nabil J. (2017). Removal of Methyl ter-Butyl Ether from contaminated water using sewage sludge derived Activated Carbon. (Conference paper published in 2017 Sardinia International Conference.) <https://s3.amazonaws.com/dntstatic/f92692e5-aa9a-4333-71d5-eea4efb13935>

AWARDS AND HONOURS

- 2009 **Award of Academic Excellence to the Best Ten undergraduates of the Faculty of Agriculture**, Obafemi Awolowo University, Nigeria by Harambe Incubator for Sustainable Agriculture and Rural Development (HISARD), West African Countries.
- 2009-2010 **Beneficiary of the University of Ife Muslim Graduate Association (UNIFEMGA) Scholarship, Merit category**, Obafemi Awolowo University, Ile Ife, Nigeria
- 2014 – 2017 Full Time MSc Scholarship Award, Saudi Government Scholarship scheme
- 2017 Best graduating student of the college of Petroleum Engineering and Geosciences (CPG), Kfupm, Saudi Arabia.

PROFESSIONAL MEMBERSHIP

Student member, Environment Technology and Management Association (ETMA), Saudi Arabia

Student member, Water Environment Federation.

Student member, American Association of Petroleum Geologists (AAPG), KFUPM chapter

HOBBIES

Research; analyzing, reading and solving mathematical problems; working with team; surfing web.

REFEREES

Dr Muhammad Qurban,
Manager, Centre for Environment and Water,
Research Institute,
KFUPM,
Kingdom of Saudi Arabia.
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Dr. Soyelu, O. J.,
Senior Lecturer,
Crop Production and Protection,
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