

ABDULJAMU OLALEKAN AMAO

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EDUCATION

King Fahd University of Petroleum and Minerals || Dhahran, Saudi Arabia. 2012 - 2016
PhD. Geology

King Fahd University of Petroleum and Minerals || Dhahran, Saudi Arabia 2009 - 2012
Master of Science – Environmental Sciences

Ahmadu Bello University || Zaria, Nigeria 2003 - 2007
Bachelor of Science – Biology

PROFESSIONAL EMPLOYMENT

King Fahd University of Petroleum and Minerals || Dhahran, Saudi Arabia 2017 -
Present
Post-Doctoral Research Fellow

- Responsible for training and day to day running of XRF, SEM, EDS and XRD
- Teaching graduate analytical techniques such as SEM, EDX, XRF and XRD
- Member of the departmental equipment procurement committee, involved in purchases over 10 million riyals
- Teaching introductory paleontology and biostratigraphy laboratory classes to undergraduate students
- Guest lectures graduate micropaleontology course.

Stanford University || Stanford, United States of America 2017 -
Present
Visiting Research Scholar Payne's Lab

- Trained on the basics of electron probe microanalyzer (EPMA) and sample preparations
- Collaborating on protocol to develop proxy for trace metals detection in carbonate samples

King Fahd University of Petroleum and Minerals || Dhahran, Saudi Arabia 2012 - 2016
Lecturer

- Taught undergraduate biology laboratory classes
- Taught historical geology laboratory classes to undergraduate students
- Taught introductory paleontology and biostratigraphy laboratory classes to undergraduate students
- Taught graduate micropaleontology course.
- Taught undergraduate physical chemistry laboratory classes
- Extensively used the SEM for PhD dissertation work.

Baker Hughes Dhahran Global Technology Center (DGTC) || Dhahran, Saudi Arabia 2014 – 2015
Intern Researcher / Lab Analyst

- Played a significant role in bringing the FEI QEMSCAN-650 (SEM/EDS) system to sound operating condition, to the point that it was fully functional and available for use by DGTC staff for R&D applications.
- Acquired essential software and hardware skills on the QEMSCAN-650 to help maintain the system, including installation & alignment of filaments; optimization and alignment of electron beam, etc.
- Assisted and instructed other researchers at DGTC in use of the QEMSCAN and other sample preparation techniques, including equipment for cutting, grinding, and polishing specimens for microscopic analysis.

King Fahd University of Petroleum and Minerals || Dhahran, Saudi Arabia 2009 – 2012
Graduate Research Assistant

- Managing sediment analysis and interpretation for several projects at the marine section of center for environment and water, Research Institute, King Fahd University of Petroleum and Minerals.
- Conducted benthic marine sample processing and identification.
- Assists with literature survey and technical report writing.
- Worked with the SEM to analyze samples for my M.Sc. thesis.

Planned Parenthood Federation of Nigeria (PPFN) || Kaduna State, Nigeria

2008 – 2009

Field Officer

- Global Fund Roll Back Malaria Project outreach organizer
- Coordinated the distribution and use of anti-malaria medications and permanent treated mosquito nets around eight local government areas of Kaduna State, Nigeria.

COMPUTER LITERACY

- Experienced with Microsoft, Macintosh systems, and competent in Unix environments
- Experienced in latest versions of the common desktop publishing software, including Adobe Photoshop, Adobe Indesign, Adobe Illustrator, CorelDraw, Imagej etc.
- Very strong knowledge in statistics and the use following platforms PAST, R, SIGMAPLOT and SPSS.
- Knowledge of basic programming principles in R, PYTHON and PASCAL
- Advanced knowledge in GIS and tools such as ARCGIS, QGIS, and GGMAP.
- Advance user of the QEMSCAN and working knowledge of FEI's datastore explorer; imeasure; iexplorer; and sip editor.

PROFESSIONAL SOCIETIES

- *Member:* American Association of Petroleum Geologist (AAPG)
- *Member:* European Association of Geoscientists & Engineers (EAGE)
- *Member:* Dhahran Geoscience Society (DGS)
- *Member:* Environmental Technology and Management Association (ETMA)
- *Member:* European Geosciences Union (EGU)

PUBLISHED ARTICLES

1. **Amao, A. O.**, Qurban, M. A., Kaminski, M. A., Joydas, T. V., Manikandan, P. K., & Frontalini, F. (2019). A baseline investigation of benthic foraminifera in relation to marine sediments parameters in western parts of the Arabian Gulf. *Marine pollution bulletin*, 146, 751-766.
2. Wilson, B, P Farfan, L Hayek, M Kaminski, **Amao A. O.**, and C Hughes (2019). Agglutinated and planktonic foraminifera of the Nariva Formation, Central Trinidad, as indicators of its age and paleoenvironment. *Micropaleontology*.
3. **Amao, A. O.**, Kaminski, M. A., Rostami, M. A., Gharaie, M. H. M., Lak, R., & Frontalini, F. (2018). Distribution of benthic foraminifera along the Iranian coast. *Marine Biodiversity*, 1-14.
4. **Amao, A. O.**, Kaminski, M. A., & Babalola, L. (2018). Benthic Foraminifera in Hypersaline Salwa Bay (saudi Arabia): An Insight into Future Climate Change in the Gulf Region? *Journal of Foraminiferal Research*, 48(1), 29-40.
5. Kaminski, M., Chan, S., Balc, R., Gull, H.M., **Amao, A. O.**, & Babalola, L., (2018) Middle Jurassic planktonic foraminifera in Saudi Arabia – a new biostratigraphical marker for the J30 maximum flooding surface in the Middle East. *Stratigraphy*, vol. 15, no. 1
6. **Amao, A. O.**, & Kaminski, M. A. (2017). A New Foraminiferal Species Pseudotriloculina Hottingeri N. Sp. from the Arabian Gulf. *Journal of Foraminiferal Research*, 47(4), 366-371.
7. **Amao, A. O.**, & Al-Ramadan, K. (2017). Discussions on Arabian Gulf ooids. *Carbonates and Evaporites*, 1-13.

8. **Amao, A. O.**, Kaminski, M. A., & Setoyama, E. (2016). Diversity of Foraminifera in a shallow restricted lagoon in Bahrain. *Micropalaeontology*, 62, 197-211.
9. **Amao, A.O** & Kaminski, M.A. (2016). *Pseudonubeculina arabica* n.gen. n.sp. a new Holocene benthic foraminifera from the Arabian Gulf . *Micropalaeontology*. 62(1) :81-86
10. **Amao, A. O.**, Kaminski, M. A., & Frontalini, F. (2016). Morphological abnormalities in benthic foraminifera caused by an attached epibiont foraminifer. *Journal of Micropalaeontology*, 35(2), 173-178.
11. **Amao, A. O.**, Al-Ramadan, K., & Koeshidayatullah, A. (2016). Automated mineralogical methodology to study carbonate grain microstructure: an example from oncoids. *Environmental Earth Sciences*, 75(8), 1-11.
12. **Amao, A.O.** & Malik, K. (2015). Application of Giovanni for rapid assessment of harmful algal blooms in the Arabian Gulf. *Arabian Journal of Geosciences*, 8(10), 8767-8775.
13. Mbah, C. E., & **Amao, A. O.** (2009). Natural foods and feeding habits of the African honey bee *Apis mellifera adansonii* Latrille (1804) in Zaria, Northern Nigeria. *Science World Journal*, 4(1).

CONFERENCES AND ABSTRACT CONTRIBUTIONS

1. **Amao, A.O.**, & Kaminski, M.A. (2018). Foraminifera as a low-cost and effective monitoring tool for trace metal pollution in the Arabian Gulf? European Geosciences Union General Assembly 2018. Vol. 20, EGU2018-18853, 2018.
- 2.
3. Hussain, M, A Muqtadir, **Amao A. O.**, K Al-Ramadan, and L Babalola (2019). Destructive vs Non-destructive: Establishing an Empirical Relationship between Impulse Hammer and Triaxial Test-Derived Rock Mechanical Properties. *Unconventional Resources Technology Conference (URTEC)*.
- 4.
5. Hussain, M., and **Amao, A.O.**, Jin, G., and Al-Ramadan K., (2018). Linking Geochemical and Mechanical Properties of Rock Samples Using New Non-Destructive Techniques SPE-KSA-513-MS - SPE Kingdom of Saudi Arabia Annual Technical Symposium and Exhibition held in Dammam, Saudi Arabia.
6. **Amao, A.O.**, & Kaminski, M.A. (2018). How many benthic foraminifera live in the Arabian Gulf? European Geosciences Union General Assembly Vol. 20, EGU2018-18838, 2018
7. **Amao, A.O.**, & Kaminski, M.A. (2018). Hypersaline and hyperthermal tolerant benthic foraminifera from a desalination plant outflow in the Arabian Gulf. European Geosciences Union General Assembly 2018, Vol. 20, EGU2018-16242, 2018
8. **Amao, A.O.**, Babalola L., Chan S., & Kaminski M. A. (2018). Foraminiferal Assemblages from Maximum Flooding Surface (MFS J30) of Middle Jurassic Dhurma Formation, Central Saudi Arabia. GEO2018, 13th Middle East Geosciences Conference and Exhibition.
9. **Amao, A.O.**, & Hussain M. (2018). Granulometric Study of Mixed Siliciclastic Carbonate Sediments Distribution along a 100km Transect of Modern Carbonate Depositional Environment (Arabian Gulf). GEO2018, 13th Middle East Geosciences Conference and Exhibition.
10. **Amao, A.O.** & Kaminski, M.A. 2017. Distribution of agglutinated foraminiferal groups in the Arabian Gulf. In Sotak et al. (eds), Tenth International Workshop on Agglutinated Foraminifera – Abstracts. Grzybowski Foundation Special Publication, 23, 15-17.

11. Kaminski, M., Chan, S. A., Balc, R., Gull, H. M., **Amao, A. O.**, & Babalola, L. O. (2017, April). Middle Jurassic planktonic foraminifera in Saudi Arabia—a new biostratigraphical marker for the J30 maximum flooding surface in the Middle East. In *EGU General Assembly Conference Abstracts* (Vol. 19, p. 3506).
12. **Amao, A.O.**, & Kaminski, M.A. (2017). Distribution of benthic foraminifera along the Iranian Coast. *European Geosciences Union General Assembly 2017*, v. 18.
13. **Amao, A.O.**, & Kaminski, M.A. (2016). Diversity and Fauna distribution of living Foraminifera from hypersaline Salwa Bay. *European Geosciences Union General Assembly 2016*, v. 18.
14. **Amao, A.O.**, Ardiansyah, K. (2016). Automated mineralogical methodology to study microstructure of carbonate grains: An example from Oncoids. *Activities for Young Professionals and Students. Geo 2016 - 12th Middle East Geosciences Conference and Exhibition*.
15. **Amao, A.O.** and Kaminski, M.A., (2015). Foraminifera Diversity of Murray's Pool (western Bahrain) and their fight against Land Reclamation. *EGU General Assembly 2015*.
16. **Amao, A.O.**, (2014). Finding John Murray's "Warm Shallow Pool" in Bahrain. *Newsletter of Micropalaeontology*, v. 89, pp. 70-71

ARTICLES IN PROGRESS OR SUBMITTED

1. Amao, A.O., Malik, K. & Al-Ramadan, B. (submitted) Grain size distribution and facies model off the coast of eastern Saudi Arabia, Arabian Gulf. *Journal of Coastal Research*
2. Amao, A.O., Al-Ramadan, K., Ardiansyah, K. (under review). Modern and ancient ooids comparison. *Geological Journal*.
3. Amao, A.O., Qurban, M.A., Kaminski, M.A. & Frontalini, F. (in progress). A super polluted site in the Arabian Gulf revisited 27 years after the largest oil spill on record. Intended for *Journal of Foraminifera Research*
4. Amao, A.O., Qurban, M.A., Kaminski, M.A. & Frontalini, F. (in progress). A super polluted site in the Arabian Gulf revisited 27 years after the largest oil spill on record. Intended for *Biodiversity and Systematics*

BOOK IN PROGRESS

1. Amao, A.O & Kaminski, M.A. (in progress). *Atlas of benthic foraminifera of the Arabian Gulf*.