ONEMA CHRISTOPHER ADOJOH, PHD

CONTACT INFORMATION 08/07/23

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ACADEMIC APPOINTMENTS

Aug. 2023 – Present: Tenure Track Assistant Professor of Geology, Department of Natural Sciences, Northwest Missouri State University

Aug. 2021 – July, 2023: Visiting Assistant Professor, Department of Earth, Environmental Science, and Planetary Science, Case Western Reserve University, Cleveland, OH

Dec. 2021 – May, 2023: Visiting Professor (International summer program), Department of Environmental Science, Xiamen University and Global Education and Technology Ltd, China

Aug. 2020 – Aug. 2021: Adjunct Teaching Professor and Research Associate, Department of Environmental and Agricultural Sciences, Lincoln University, Jefferson, MO

Feb. 2017 – May, 2019 Post-Doctoral Fellowship, Department of Geosciences and Geological and Petroleum Engineering, Missouri University of Science and Technology, MO

Nov. 2014 – Feb. 2015: Visiting Research Scientist, Center for Marine and Environmental Sciences, Bremen University, Germany

Nov. 2010 – Oct. 2011: Lecturer, Department of Earth Science, Salem University, Lokoja, Nigeria

EDUCATION

Ph.D., Environmental Science and Geology (*Paleoclimate and Paleobiology Major; minor sedimentology and elemental geochemistry*), University of Liverpool, U.K.

- Oct 2011 to July 2016 (awarded 2017)
- Thesis: Climate controls on vegetation, surficial sediment, and deltaic evolution: Implications from three gravity cores, Coastal Margin Offshore Niger Delta, Eastern Equatorial Atlantic
- Advisors: Fabienne Marret and Peter Osterloff

M.Sc., Petroleum Geology (Micropaleontology and Sedimentology Major), University of Benin, Nigeria

- Aug 2007 to July 2009
- Thesis: Biosequence stratigraphy, paleoecology, and paleoenvironments of the Miocene Okan - 1 well, Coastal Offshore, Niger Delta

PG.D., Teaching and Learning in Higher Education, Plymouth University, U.K.

- Oct 2011 to May 2012

B.Tech., Applied Geology (Environmental Geology Major), Abubakar Tafawa Balewa University, Bauchi, Nigeria

- Feb 2000 to May 2005
- Thesis: Environmental implications of trace element concentrations: A case study of Rayfield mining fields, Jos Plateau State, Nigeria

ACADEMIC – INDUSTRIAL SYNERGIES

Feb. 2017 – Present: Panel Member/Examiner, Department of Petroleum Technology Development Fund, Ministry of Petroleum, Abuja, Nigeria

Feb. – May 2015: Research Geologist/Stratigrapher, CCG Robertson Research Company, Llandudno, North Wales, U.K.

Jan. 2009 – Dec. 2010: Geologist/Micropaleontologist (Palynology, Foraminifera), Shell Petroleum Development Company, Warri (Now in Port Harcourt), Nigeria

July 2008 – June 2009: Pollution and Wastewater Control Officer, Rued Environmental Systems, Port Harcourt, Nigeria

FELLOWSHIPS

2022 CWRU Glennan Fellowship
2018 International Post-Doctoral Research Fellowship, The Japanese Society for Promotion of Science (JSPS) – The Japanese Government (Declined)
2017 Post-Doctoral Research Fellowship, Missouri University of Science and Technology, MO

HONORS AND AWARDS

2023 Best Undergraduate Senior Thesis Award / Supervision
2023 CWRU Nominee, J. Bruce Jackson, M.D for excellence in undergraduate mentoring(Nominees for undergraduate teaching, mentoring awards announced The Daily (case.edu))
2023 CWRU Nominee, Carl F. Wittke Award for Excellence in Undergraduate Teaching
2022 Arctic Research Consortium of the US (ARCUS) Early Career Conference Funding Award
2022 CWRU Nominee, J. Bruce Jackson, M.D for excellence in undergraduate mentoring
2022 CWRU - UCITE Learning Fellows Award
2022 CWRU - UCITE Assessment Learning Community Award
2018 Outstanding Reviewer - Journal of Petroleum Science and Engineering - The Elsevier award
2016 Geological Society of America (GSA) Travel Grant Award (U.K. to U.S.)
2016 Outstanding Reviewer - Journal of Petroleum Science and Engineering - The Elsevier award
2015 Geological Society of London Active Student Meeting Award
2015 Quaternary Research Association Active Minority Student in Quaternary Science Award
2010 American Association of Petroleum Geologists, Nigerian Association of Petroleum Explorationists and CGG Veritas Best Poster Award

RESEARCH ADVISING & MENTORING

Doctor of Philosophy

- **Erdoo Mongol**, Ph.D. in Quaternary palynostratigraphy, geochemistry, and paleoclimate of Lake Izabal Basin, eastern lowland Guatemala, expected, October 2023
- Mentor - External support

Bachelor of Science (Senior Research) - Case Western Reserve University, Cleveland

Tamara Jefferies, B.A. in Environmental Geology - Thermal Stratification analysis of Lake Erie Central Basin through Ostracod and Pollen Records, May 2022

- Primary advisor

Yunlang Zhang, B.S. in Geology - Paleoclimate and hydrological reconstructions of the Lake Erie during the Holocene: New evidence from pollen and palynodebris, May 2023

- Primary advisor

Michaela Galarza, B.A. in Environmental Geology - Sedimentology, Palynology, and Paleoenvironmental Analysis during the Mid-Miocene in Southern Bolivia, May 2023

- Primary advisor

Sara Olmsted, B.A. in Environmental Geology - Microlysimeter-based Measurements of Forest Floor Condensation in a Mixed Hardwood Forest, May 2023

- Secondary advisor

Mentee

Antawan Patterson – B.Sc. Environmental Geology - Angelo State University, Angelo, Texas
Julia Van Oman – Summer Intern support, Macalester College, St. Paul, Minneapolis

RESEARCH GRANTS & PROPOSALS SUBMITTED

External

Submitted, May 18th, 2023 (Co-PI)

Ohio Sea Grant
The title: Spatial and temporal variation in the mass accumulation of sediment, nutrients, and contaminants in Lake Erie's Central Basin, PI – Beverly Saylor, Co-PIs – **Onema Adojoh**, Scott Hardy, Joe Ortiz, John peck, Total - $ 100,000.00

Submitted, January 31st, 2023 (Co-PI)

Society of Exploration Geophysicists (SEG) – Call Section, Geoscience Without Boarders
The Tile: Hydrogeophysical and Hydrogeochemical Application for Sustainable Groundwater Resource Development in Bunza, Nigeria, PI – Henry Agbogun (Fort Hays State University, KS), **Co PI – Onema Adojoh**, Total - $ 100,000.00

Submitted, August 24, 2022 (Co-PI)

U.S. Department of Transportation
The title: University Transportation Center (UTC) on Sustainable Preservation and Innovative Renewal of Bridges (SuPIRB): Infrastructural reinforcement and sustainable climate initiatives, PI – Bill Yu, **Co-PIs** - **Onema Adojoh**, Laura S. Bruckman, Christian Carloni, Qi Wu, Jie Ning, and Yinghui Wu - Total - Budget Schema for UTC led by CWRU PIF: 762 - **$10M over 5 years**

Nov. 2018 to Mar. 2020: (PI)
Japan Society for the Promotion of Science (JSPS) - The Japanese Government (Grant number: 18F18320).
Title - Experimenting Environmental Change (Grain Size Particles) of the Western Equatorial African Region (30-2-e.pdf (jsps.go.jp) (see page 1), **Co-PI Tetsuji Muto, Total - JPY 2.1 million per annum** (KAKENHI-PROJECT-18F18320) (nii.ac.jp)

Oct. 2011 to Sep. 2015: (PI)
Petroleum Technology Development Fund (PTDF) of Nigeria - The Nigerian Government and the (Grant ID - PTDF/E/OSS/PHDAOC/385/11).
Titles – (1) Tropical palaeovegetation dynamics, environmental and climate change impact from the low latitude coastal offshore margin, Niger Delta, Gulf of Guinea.
(2) The biostratigraphy of the offshore Niger delta during the Late Quaternary: Complexities and progress of dating techniques, **Total PI - £145,187.5**

Internal
Submitted, Dec. 2022: (PI)
CWRU-Expanded Horizon and Initiative (EHI 2022)–Interdisciplinary Preliminary Grants (INT-L, INT-S)
Title: Bioaccumulation, geochemistry, microbial investigations of Western Lake Erie: Implications on fish and human health, **PI – Onema Adojoh**; **Co-PIs –** Angela Dixon, and Bridget Hegarty, **Total - $30,000.00**

Mar. 2022: (Co-PI)
CWRU-Expanded Horizon and Initiative (EHI 2022)–Interdisciplinary Preliminary Grants (INT-L, INT-S)
Title: Mountain uplift, climate, and biodiversity in Bolivia during the Cenozoic, PI - Beverly Saylor; **Co-PIs –** Darin Croft, Naomi Levin and **Onema Adojoh, Total - $30,000.00**

2022-2023 *CWRU Glennan Fellowship Award **($6500.00)**
2022 -2023 CWRU UCITE Assessment Learning Community Award **($1000.00)**
2022 - 2023 CWRU UCITE Learning Fellows **Award ($2000.00)**
***CWRU -** Teaching-award to set up virtual lab simulation and 3-D print for student's assignment, engagement, and pedological assessment, **PI, Grant Total – 9500.00**

INSTITUTIONAL SERVICE

- 2023 featured on ocean -SELF magazine - Don't Swallow That Ocean Water—There's Probably Poop in It | SELF
- 2023 Pitched expert on ocean treaty, CWRU-Newswise - www.newswise.com/articles/ocean-treaty-calls-for-good-science-to-support-good-decisions-to-further-ocean-protections-says-cwru-professor#.ZBhjhMg4b48.linkedin
- 2022 Member, Ph.D. Dissertation Committee, CWRU Civil Eng. Department

- 2022 Member, Search Committee, CWRU EEPS Dept. Visiting Assistant Professor Position
- 2022 EEPS Dept. Representative, Open House Admission / Recruitment
- 2022 Featured, CWRU and Ideastream news / sound bits - https://www.ideastream.org/programs/sound-of-ideas/northeast-ohio-climate-advocates-discussed-climate-change-policy-in-egypt-last-month
- 2022 Advisor, CWRU International (Africa) Student Association
- 2022 Featured, CWRU Media and Spectrum News Chanel interview on COP26 climate accord
- 2022 Invited Interviewee, CWRU Media Following President Biden's visit to Cleveland - Great Lakes Restoration Initiatives
- 2022 Featured, CWRU Observe Newspaper - Finding optimism in the face of climate change – The Observer (case.edu) (Vol. LIV, Is. 11 pg. 5)
- 2022 Panellist, CWRU Climate Action Network week – The Lake Erie Situation

PROFESSIONAL AND SYNERGISTIC SERVICES

Manuscript review

- AGU - Geophysical Research Letters (1 paper reviewed)
- SAGE - Energy & Environment (4)
- Journal of African Earth Science (5)
- Journal of Paleogeography (Springer Nature) (1)
- Journal of Petroleum Science and Engineering (http://ees.elsevier.com/petrol) (> 24)
- OMICS Group Journal (Engineering Journals) (1)
- African Journal of Paleoecology (1)
- Palaeontologia Africana (2)
- Journal of Energy Engineering and Environmental Protection (www.iceeep.org) (1)
- Geodiversitas (1)

Proposal & Report Review

- UN Future Earth and the Intergovernmental Panel on Climate Change (IPCC) report on 6th, 5th, and 4th drafts for the 1st & 2nd order reports on greenhouse emission and climate change
- National Science Foundation
- Petroleum Technology Development Fund, Ministry of Petroleum, Nigeria
- Shell Petroleum Development Company

Panels & Committees

- Past Global Changes (PAGES) - Regional Representative for the N. America/African Continents

- American Geophysical Union (AGU) **Primary Liaison/Session Chair (2020),** student networking – **Mentor,** 2019-Present
- Japanese Geoscience Union (JpGU) students award – **Committee Member** -2018
- Geological Society America (GSA) - **Member-at-Large, Respect Inclusive Scientific Event Liaison (RISE), Chair, Mentor, and Panelist** 2020-Present

PUBLICATIONS AND OTHER SCHOLARLY CONTRIBUTIONS

Published

1. **Adojoh**, O. C., Marret-Davies, F., Duller R., Osterloff, L. P., Oboh-Ikuenobe, F. and Saylor, B. Z., 2023. Stages of Palaeoenvironmental Evolution, Climate and Sea Level Change of the Niger Delta, East Equatorial Atlantic: Novelty from Elemental Tracers, Sedimentary Facies and Pollen Records. *The Holocene – SAGE Publication* 33, 1-10, https://doi.org/10.1177/09596836231163506
2. Onema, P., Ikem, A., Knot, K., Adojoh, O., 2022. Impact of elemental chemistry on water quality in Missouri Lakes. Journal of Food Nutrition and Health 5, 1-11, DOI: 10.35841
3. **Adojoh**, O., 2021. Vegetation dynamics vs. sediment supply during the late Quaternary: Paradigm of sea level change and two distinct time-bound stages of the Niger Delta evolution. *Authorea-AGU Publication*
4. Botero, S**.** C., Oboh-Ikuenobe, F**.** E., Grabel, L. and **Adojoh**, O**.** C., 2021. Evidence of vegetation, hypersaliny and climate change in Cenozoic Lake sediments of Western Australia. *Palynology*, 45, 201-214, https://doi.org/10.1080/01916122.2020.1789774
5. **Adojoh**, O., Marret-Davies, F., Duller, R., Osterloff, P., Oboh-Ikuenobe, F., Hart., M. and Smart, C., 2020. The biostratigraphy of the offshore Niger Delta during the Late Quaternary: complexities and progress of dating techniques. *Quaternary Science Advances* 1 (100003), https://doi.org/10.1016/j.qsa.2020.100003
6. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2019. Taxonomy and phytoecology of palynomorphs and non-pollen palynomorphs: a refined compendium from the West Africa Margin. *Biodiversity International Journal* 3 (5), 188-200, DOI: 10.15406/bij.2019.03.00145
7. **Adojoh**, O. C., 2017. Controls on palaeovegetation and delta evolution: implications from the coastal margin, Niger, Delta, Gulf of Guinea. Ethos-Online e-thesis, *University of Liverpool-British Library Publication series* **(**Ethos ID: uk.bl. ethos.722051 ISNI:0000 0004 6422 6711.**)**, https://doi.org/10.17638/03006551
8. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2017. Tropical palaeovegetation dynamics, environmental, and climate change impact from the low latitude Coastal Margin, Niger Delta, Gulf of Guinea during the Late Quaternary: International Year-Book Chapter 7; The African Neogene - Climate, Environments and People. *Journal of Paleoecology of Africa* 35, 107-144, https://doi.org/10.1201/9781315161808
9. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2016. Relative impact of climate, sea level change, and sediment supply on shallow offshore Niger delta margins from palynodebris

and lithofacies data. *Quaternary International* 404, 178, https://doi.org/10.1016/j.quaint.2015.08.106

10. **Adojoh**, O., Adebayo, L. and Dada, S., 2015. Palynocycles, palaeoecology, and eustasy concepts: A case study from the Miocene Okan-1 Well, Niger Delta basin, Nigeria. *Journal of Applied Ecology and Environmental Sciences* 3, 66-74, DOI:10.12691/aees-3-3-1
11. Dada, S., **Adojoh**, O., Rahaman, A. and Garba, I., 2015. Lead reservoirs and metallization in Nigeria: Example of contrasting geological terrains. *Journal of Geosciences and Geomatics* 3, 28-36, DOI: 10.12691/jgg-3-2-1
12. **Adojoh,** O**.** and Dada, S., 2015. Geomorphic Resources and Tourism Potentials of the Niger-Benue Confluence Area, Central Nigeria. *Journal of Geosciences and Geomatics* 3, 44-49, DOI: 10.12691/jgg-3-2-3

In Review - Submitted

13. Lem, R., **Adojoh**, O., Marret-Davies, F. and Jim, M., Oceanic, climatic and vegetation variability in Western Equatorial Africa since the Penultimate Glaciation. *Journal of Paleogeography, Paleoecology, Paleoclimatology* (In review, Manuscript ID: PALAEO-D-22-00646)
14. **Adojoh**, O., Marret-Davies, F., Duller, R., Osterloff, P., and F., Hart., M. An expression of coastal shift of the Niger Delta Basin, West Equatorial Atlantic: Evidence from foraminiferal, geochemical, and depositional patterns. *Journal of Estuarine, Coastal and Shelf Science* (*In review,* Manuscript ID: YECSS-D-22-00555)
15. Onema, P., Ikem, A., Knot, K., **Adojoh**, O. Bioaccumulation of chemical elements in the largemouth bass: Insight from three Missouri Lakes. *Journal of Ecotoxicology – The Springer Journal* - Submission ID: Bioaccumulation_of_chemical_elements_in_the_largem.pdf

In Prep

16. Jefferies, T., Van Orman, J., Zhang, Y., **Adojoh**, O., Saylor, B., and Ortiz, J. Ostracod Species "*Candona subtriangulata"* as a mighty climate paleothermometer tool during the Holocene: Novelty from the Central basin of Lake Erie, in prep for *Paleogeography, Paleoecology, Paleoclimatology*
17. Lem, R., Marret-Davies, F., Jim, M., **Adojoh**, O., Eastern Equatorial Atlantic response to riverine discharge variability since MIS 6: Role of ITCZ and climate causation, in prep for *Quaternary Science*
18. Lem, R., Marret-Davies, F., **Adojoh**, O., Jim, M., Orbitally driven of surface and bottom water $\delta^{13}C$ in the Eastern Equatorial Atlantic: Evidence from Ogooué catchment over the past 156 ka, in prep for *Quaternary International*
19. Leng, M., Lem, R., Marret-Davies, F., Jim, M., **Adojoh**, O., Chiverell, R. Geochronological and sedimentological signatures of Core MD03-2708, Ogooué fan delta, in prep for *Marine Geology*

TECHNICAL REPORTS

1. **Adojoh**, O. and Haruna, A., 2019. Spatial distributions of trace elements in the Rayfield Mining Town. *Lambert Academic Publishing series* (978620046327-2), 1-52.

2. **Adojoh**, O. 2014. Devon-Carboniferous basin and the Variscan Orogeny, Dorset, Southern, England. *British Petroleum and British Gas Companies - Sponsored Post Graduate field work.*
3. Idowu, S. O., Adeyemi, G. O., Dada, S. S, Onugba, A. and **Adojoh**, O. C., 2011. The impact of plasticity and fines content on permeability and strength of aggregate road-base material of Ibadan and Sagamu in southwestern Nigeria: Proceeding of International Conf., Port Novo; Vol. 1, #7: 87-95

Proprietary – "Grey Literature"

4. **Adojoh**, O. and Osterloff, P., 2010. Phytoecological reconstructions of Eocene-Pliocene sediments, Niger Delta. *NAPE/American Association Petroleum Geologists*, *Abuja, African Region, Search and Discovery Article* # 90115 View PDF (searchanddiscovery.com)
5. **Adojoh**, O. and Osterloff, P., 2010. Ecostratigraphy, Climate Stratigraphy and Eustatic Signals of the Cenozoic Sediments, Niger Delta of Nigeria: A Key for Regional Exploration. *NAPE/ American Association Petroleum Geologists, Singapore*, *Search and Discovery Article* # 90155 (searchanddiscovery.com)
6. **Adojoh**, O., Osterloff, P., and Kehinde A., 2012. Quantitative Palynology: A Key for delineating Maximum Flooding Surfaces and Sequence Boundary in the Onshore Depobelt, Niger Delta of Nigeria. *American Association Petroleum Geologists, Singapore. Search and Discovery Article* # 90155 (searchanddiscovery.com)

INVITED TALK/ SEMINAR - PUBLISHED ABSTRACTS

1. **Adojoh**, O., 2023. West Equatorial Africa Ecosystem and Climate Change in last 20 Ka Years: Implications for wetland ecology conservation. *University of North Alabama, Department of Geosciences, Florence, Alabama, USA*
2. **Adojoh**, O., 2023. Climate change during the Holocene! How Abrupt? *Northwest Missouri State University, Department of Natural Science, Maryville, Missouri, USA*
3. **Adojoh**, O., 2023. Climate Change Impact and Mitigation. *University of North Alabama, Department of Geosciences, Florence, Alabama, USA*
4. **Adojoh**, O., 2023. Ecosystem - vegetation response to climate change: Coastal implications. *Lake Superior State University, Earth & Environmental Science Dept, Salute Marie, Michigan, USA*
5. **Adojoh**, O., 2023. Environmental and climate change impact. *University of Auburn at Montgomery, Biology & Environmental Science Dept, Auburn, Alabama, USA*
6. **Adojoh**, O., 2022. Pollen - vegetation response to climate change in the during the last 20 ka: Expression from Eastern Equatorial Atlantic. *Case Western Reserve University, EEPS Dept Colloquium, Ohio, USA*
7. **Adojoh**, O., 2021. Implications on the COP26 climate change accord Meeting in UK: What civil engineers need to know. *Case Western Reserve University, Civil Eng. Dept Seminar, Ohio, USA*
8. **Adojoh**, O., Onema, P., Muto, T., 2021. Self-sabotage among geosciences students and early career professionals: A retarding cog to a successful career path. *Geological Society of America*

Abstracts with Programs, 53(6), Portland, USA DOI: 10.1130/abs/2021AM-367997

9. **Adojoh**, O., Onema, P. and Muto, T., 2020. Taking a dynamic and rewarding career path: an insight from making most conferences. *Geological Society of America Abstracts with Programs, 52, (6), Canada* DOI: 10 .1130/abs/2020AM-352501
10. **Adojoh**, O., Marret-Davies, F. and Duller, R., 2019. Paleoenvironmental dynamics of the passive margin of the Niger Delta during the Late Quaternary: Future implications. *20th Congress of the International Union for Quaternary Research (INQUA), Dublin, Ireland* Oxford Abstracts
11. **Adojoh**, O., Marret-Davies, F. and Muto, T., 2019. Niger Delta dynamic phase in the Gulf of Guinea during the last 20 ka: Panacea for the sustainable development of the region. *The Japanese Geoscience Union meeting, Chiba, Japan* p. 3 HQR05-03 (3).pdf
12. **Adojoh**, O., Marret-Davies, F., Duller, R. and Oboh-Ikuenobe, F., 2018. Deltaic shift and vegetation response to sea level change during the Late Quaternary: Future concern for the Coastal Margin of the Niger Delta. *iSLR18 Early-Career Researchers meeting, Utrecht, the Netherlands* p. 4 https://pastglobalchanges.org/calendar/26750
13. **Adojoh**, O., Marret-Davies, F. and Duller, R., 2018. Impact of freshwater plumes on the western equatorial Atlantic Coastal Margin: Regional evidence from geochemical, palynomroph and sedimentation rate during the last 20 ka. *The African Quaternary (AFQUA): Environments, Ecology and Humans, Kenya*
14. **Adojoh,** O., 2018. How far has have the Niger Delta shifted during the last 20 ka? *Faculty and Departmental seminar, Missouri University of Science and Technology, Rolla, Missouri, USA*
15. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2015. High resolution palaeoenvironmental reconstructions: a dynamic model from the Niger Delta paleogeographical evolution based on multiproxy approach. *The Micropalaeontology Society Meeting, Liverpool, U.K*
16. **Adojoh**, O. and Osterloff, P., 2012. Palynology and ecological reconstructions: A key linking the sea level history of the Cenozoic sediments, Niger Delta Basin, Nigeria. *American Association of Petroleum Geologist* (AAPG), *APPEX, London, U.K*

CONFERENCE PAPERS - PUBLISHED ABSTRACTS

1. Croft, D. A., **Adojoh**, O., Engelman, R. K., Galarza, M. Levin, N. E., Saylor, B. Z., 2023. New paleontological and geological data from the middle Miocene of Nazareno, Southern Bolivia. *83rd Annual Meeting of the Society of Vertebrate Paleontology, Cincinnati, USA*
2. **Adojoh**, O., Onema, P., Yunlang, Z., Michaela, G., and Yu-Bill, X., 2022. Intersectionality of disciplines and diversity retention in climate science: A focus for the global socioeconomic and infrastructural sustainability. *American Geophysical Union*, *Chicago, USA*
3. Jefferies, T., Van Orman, J., **Adojoh**, O., Saylor, B., and Ortiz, J., 2022. Hypoxia and climate condition of the central basin of Lake Erie, north America: insights from geochemistry, ostracod, and pollen records during the Holocene. *Geological Society of America Abstracts with Programs*, 54(5)*, Denver, USA* DOI:10.1130/abs/2022AM-378127
4. **Adojoh**, O., Marret-Davies, F., Duller, R. Osterloff, P., and Saylor, B., 2021. Vegetation dynamics vs. sediment supply during the late Quaternary: Paradigm of sea level change and two distinct

time-bound stages of the Niger Delta coastal evolution. *American Geophysical Union*, *New Orleans, USA* DOI: https://doi.org/10.1002/essoar.10509267.2

5. Onema, P., Fitch, M., Niyogi, D., **Adojoh**, O. and Alajo, A., 2019. Nonpoint source pollution mitigation in an urban watershed. *38th Annual Technical Conference of the National Association of Black Geoscientists, Arkansas, USA*, 38 p. 48-49
6. **Adojoh**, O. and Onema, P., 2019. Making the most of conferences: the nitty-gritty for fledgling geoscientists. *38th Annual Technical Conference of the National Association of Black Geoscientists, Arkansas, USA*, 38 p. 48
7. **Adojoh**, O., Marret-Davies, F., Duller, R. and Muto, T., 2019. Age-depth model and dating technique across the shallow offshore of the Niger Delta passive margin: challenges and progress during the Late Quaternary. *Geological Society of America Abstracts with Programs 51(5), Phoenix, USA* DOI: 10.1130/abs/2019AM-330217
8. **Adojoh**, O., Oboh-Ikuenobe, F. E. and Jaramillo, C., 2019. Understanding the evolution of the tropical eastern Pacific: the role of climate and upwelling pattern. *13th International Conference on Paleoceanography, Sydney, Australia* ICP13 -Sydney, 2019.pdf
9. **Adojoh**, O., Omuije J., Muto, T., 2019. Fluvio-tidal controls on the lateral reservoirs: Implications from the Onshore of the Depobelts Niger Delta, Nigeria, West African Margin. *The Sedimentological Society of Japan annual meeting, Osaka*, *Japan* J-GLOBAL (jst.go.jp)
10. Cardenas, D., Oboh-Ikuenobe, F. E., Duarte, E., Mongol, E., Hernandez, E., Moore, B., Jaramillo, Carlos. and **Adojoh**., O., 2018. Middle Miocene shallow marine sequences in tropical South America: applied palynology improving regional stratigraphic correlation in Northern Colombia, *AASP-TPS 51st Annual Meeting, Calgary, Alberta, Canada, Abstracts and Program,* p. 11-12.
11. **Adojoh**, O., Oboh-Ikuenobe, F., Jaramillo, C. and Zobaa, M., 2018. Orographic impacts on climate variability and the Great America Biota Interchange: The role of the elevation of Panamanian Isthmus during the last 5 Ma yrs. *Volcanic Impacts on Climate and Society Workshop, the University of Arizon*a, *Tucson, USA*, p. 4 vics18_program.pdf (arizona.edu)
12. **Adojoh**, O., Oboh-Ikuenobe, F. E., Marret-Davies, F., Zobaa, M. K., Osterloff, P., Jaramillo, C. and Cardenas, D. L., 2017. Controls on fluvial paleodischarge and sediment influx: Current paradigms and potential future scenarios from passive (Gulf of Guinea) and active (Central America) margins. *Geological Society of America Abstracts with Programs, 49(6), Seattle, USA* DOI: 10.1130/abs/2017AM-301958
13. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2016. Depositional sequences from the coastal margin of the Niger Delta: Implications from land and sea interactions. *PESGB, AAPG & Geological Society of London, U.K*
14. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2016. Control on the evolution of the coastal margin of the Niger Delta, Gulf Guinea: An insight for decoding past signals. *National Association of Black Geologist conference, New Orleans, USA*
15. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2016. Dynamic evolutionary model of the Late Quaternary depositional sequences from the Niger Delta. *Geological Society of America*

Abstracts with Programs, 48 (7), Denver, USA DOI: 10.1130/abs/2016AM-276861

16. Marret-Davies, F., **Adojoh**, O., Duller, R. and Osterloff, P., 2016. Late Quaternary history evolution of the marine Niger Delta: a multi-proxy investigation. *12 International Conference on Paleoceanography*, *Utrecht, The Netherlands*
17. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2015. Evolution of the Niger Delta margin during the Late Pleistocene-Holocene: New palynological evidence. *Geological Society of America /AASP conference*, *Baltimore, Washington, USA*, DOI: 10.1130/abs/2015
18. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2015. Depositional controls on Niger Delta onshore reservoirs. *The Geological Society London meeting, London, U.K*
19. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2015. New insights in the palaeovegetation evolution of the coastal margin, offshore Niger Delta, Nigeria during the late Quaternary. *TMS/Palynological* meeting, *Newcastle, U.K*
20. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2015. Relative impact of sea level change and sediment supply on shallow offshore Niger delta margins from palynodebris and lithofacies, *AFQUA conference*, *Cape Town, South Africa*
21. ***Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2014. High impact of sea level change on the Niger Delta margin and mangrove vegetation during the Late Pleistocene-Holocene, Offshore, Niger Delta. *TMS meeting*, *Oxford University Museum of Natural History, U.K*
22. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2014. Palaeovegetation and palynodebris components dynamics as an indicator for climate and sea level change: Implications and insights from 3 gravity core locations, shallow offshore, Niger Delta, Gulf of Guinea, Nigeria. *9th European Palynological Paleobotany Conference (EPPC), Padua, Italy*
23. **Adojoh**, O., Marret-Davies, F., Duller, R. and Osterloff, P., 2013. Palaeovegetation, palaeoecology and eustatic reconstructions: Implications from selected Gravity Core locations, Offshore Niger Delta, Nigeria. *American Association of Stratigraphic Palynologists - The Palynological Society*, *San Francisco, California, USA*
24. **Adojoh**, O., 2012. Quantitative palynology: A key for delineating maximum flooding surfaces and sequence boundary in the Onshore Depobelt, Niger Delta of Nigeria. *AAPG conference, Singapore* (searchanddiscovery.com)
25. **Adojoh**, O., 2012. Ecostratigraphy, climate stratigraphy, and eustatic signals of the Cenozoic sediments, Niger Delta of Nigeria. A Key for Regional Exploration. *AAPG conference*, *Singapore,* (searchanddiscovery.com)
26. **Adojoh**, O., Grimes, S., Watkinson, M., Fitzpatrick, M., Hart, M. and Osterloff, P., 2012. Applied palynodebris associations: Inferred systems tracts, palaeoenvironmental reconstructions and implications from the EA-DP-C Gravity Core, EA field, shallow offshore Niger Delta, Nigeria. *13th IPC/9th IOP Conference, Tokyo Japan*, *Japanese Journal of Palynology*, 54, 3-4 https://doi.org/10.24524/jjpal.58.Special_3_2
27. **Adojoh**, O. and Ahmed I., 2012. Implications of trace element concentrations: A case study of Rayfield mining fields Jos Plateau State, Nigeria. *7th Environmental Effects of Nanoparticles conference*, *Canada*
28. **Adojoh**, O., Grimes S. and Osterloff, P., 2012. Palynology and ecological reconstructions: A key

linking the sea level history of the Cenozoic sediments, Niger Delta Basin, Nigeria. *TMS/Palynological meeting, Sheffield, U.K,* p. 1 Microsoft Word - Sheffield2012_Programme.docx (tmsoc.org)

29. **Adojoh**, O., 2011. Palyno-Signals and Eustacy Appraisal: A play concept for the evaluation of the Miocene Okan-1 Well, Niger Delta Basin, Nigeria. *Nigerian Association Petroleum Explorationist, Lagos, Nigeria*.
30. **Adojoh**, O., Osterloff, P. 2010. Phytoecological reconstructions of Eocene-Pliocene sediments, Niger Delta. *Nigerian Association Petroleum Explorationist / American Association of Petroleum Geologist (NAPE/AAPG) conference*, *Abuja, Nigeria*

TEACHING EXPERIENCE

Courses Taught and Syllabi Designed (Courses Developed *)

Northwest Missouri State University, Department of Natural Science – Geology 2023-Present
Geol 27- 424 -01 Geochemistry
Geol 27-114-02 General Earth Sciences
Geol 27 - GEOL 27-114-80/81/11/12 – General Earth Sciences Online / Web Program
Geol 27 – 115 – General Earth Science Lab

Case Western Reserve University, Cleveland, USA, 2021 – 2023
EEPS 321/421 Hydrogeology – Assigned for Fall, 2023
EEPS 210 Earth History (3.0) (200 level)-Spring, 2023
EEPS 230 Water and Coastal Sciences (3.0) (200 level)-Fall, 2022*
EEPS 117 Meteorology and Climate Change (3.0) (100 level)-Summer, 2022
EPPS 115 Physical Oceanography (3.0) (200 level)-Spring, 2022
EPPS 121 Environmental Science (3.0) (100 level)-Spring, 2022*
EEPS 117 Meteorology and Climate Change (3.0) (100 level)-Fall, 2021

Lincoln University, Department of Integrated Environmental and Agricultural Science, Jefferson, Missouri, USA, 2020-2021
Agr 414 Soil, Air, and Water Conservation (3.0, Lab) – 4 Contact (400 level)-Spring, 2021*
Agr 211 Soil Science (3.0, Lab) – 4 Contact (200 level)-Spring, 2021
Env 103 Environmental Science (3.0) (100 level)-Fall, 2020

Department of Geosciences and Geological and Petroleum Engineering, Missouri University of Science and Technology, USA, 2017-2018
Geo 5741 Micropaleontology (2.0 LEC and LAB 1.0) (500l)-Fall, 2017
Geo 4721 Meteorology and Climatology (3.0) (400l)-Summer, 2018
Geo 1141 Physical Oceanography (3.0) (100l)-Summer, 2018
Geo 1120 Evolution of the Earth (3.0) and Geo 1129 Evolution of the Earth Lab (1.0) (100l)-Spring, 2018

Universities Liverpool, UK, 2011-2016
Geo 3811 Fundamentals of Geographic Information Systems (C 2.0 and L 1.0) (300l)- Spring, 2014
Geo 2101 Earth history and Stratigraphy (C 3.0 and L 1.0) (200l)-Fall, 2012

Department of Earth Science, University Lokoja, Nigeria, 2010-2011)
Geo 2356 Systematic Paleontology (LAB 1.0 and LEC 2.0) (200l)*
Geo 1311 Introduction to Physical Geography (LAB 1.0 and LEC 2.0) (100l)
Geo 2103 Sedimentology and Stratigraphy (LAB 1.0 and LEC 3.0) (200l)
Geo 4002 Soil Science and Hydrology (3.0 and LAB 1.0)*

PROFESSIONAL DEVELOPMENT

- Community Surface Dynamics Modeling System (CSDMS), GSA, Denver, USA, 2022
- Machine Learning, GSA, Denver, USA, 2022
- Glennan fellowship, assessment learning and learning fellow, CWRU -UCITE, USA, 2022
- Power of data workshop by the Ecological Society of America, Baltimore, Maryland, USA, 2021
- Prospect and exploration evaluation, NAGB/Exxon Mobil, Atlanta, USA, 2017
- Suicide prevention, University of Missouri System, 2017
- Building a foundation: discriminating prevention & Title IX, University of Missouri System, 2017
- YALI network course on climate change by Bureau of International Information Programs U.S. Department of State, 2016
- Management strategies for people and resources International Information U.S. Department of State, 2015
- Project management, Plymouth University and Liverpool University, U.K, 2012 & 2015
- Sequence stratigraphy and basin modeling course, GSA, Baltimore, U.S., 2015
- Biostratigraphy for drilling and petroleum production course, AASP-TPS, Baltimore, U.S., 2015
- Structural & stratigraphic concepts applied to basin exploration, GSA, Baltimore, U.S, 2015
- Introduction to petroleum structural geology, GSA, Baltimore, U.S, 2015
- ODM and stratigraphic time creator learning and appraisal course, CGG Robertson Research, U.K., 2015
- Pollen-spores and climate change impacts "summer school master class", University Utrecht and AASP-The Palynological Society, The Netherlands, 2013
- Research skills / Research ownership – 27 courses by Plymouth University, U.K, 2011-2013
- Research presentation through the media by BBC journalist, Plymouth, U.K., 2012
- Effective technical writing and presentation skills, Plymouth, U.K., 2012
- Leaders and management, Plymouth, U.K., 2011
- Conflict of interest, Information risk management, & Code of conduct, Shell, 2010
- Health, safety & environment/standard first aid (Shell Certified), 2009
- National Youth Service Corps (NYSC) – Teaching and learning in rural support for the Nation, Port Harcourt, Nigeria, 2007

FIELD TRIPS EXPERIENCE

- Death Valley Basin and Range - California, 2022
- Brownfield, Springfield - Missouri, 2018
- Dorset, Devonshire, and Exeter Coasts - South England, 2013-2015
- Anoxic Maastrichtian Event, Maastricht - Utrecht, the Netherland, 2013
- Napa Valley - San Francisco, 2013
- Lyme Ridges - Dorset Formation, South England, 2012
- Campano-Maastrichtian - Agbaje Formation, Mount Patty, Nigeria, 2010
- Cretaceous Basin Northern-Benue Trough - Northeast, Africa, 2005

PROFESSIONAL AFFILIATIONS

- Environmental Protection Society (EPS)
- The Micropaleontological Society (TMS)
- British Sedimentological Research Group (BRSG)
- International Association of Sedimentologists (IAS)
- National Association of Black Geologists (NABG)
- AASP –The Palynological Society (AASP – TPS)
- Geological Society of America (GSA)
- Council of Mining Engineers and Geoscientists (COMEG), Nigeria (Chartered professional)
- Quaternary Research Association (QRA)
- International Quaternary Union Association (INQUA)

TRANSFERABLE AND PROFICIENCIES TOOLS

CSDMS – Exploring Surface Process, Kahoot, Panopto, Canvas, Moodle, Labster Simulation, Turning Point, Clicker, Stratabugs 1.8, ArcGis version 10.6, Laser-Particle Size Analyzer, XRF, Tillia, XRD, and Microsoft Office Proficiency

REFERENCES

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