

LIST OF PUBLICATIONS PROF ABEL IDOWU OLAYINKA

Articles that have already appeared in learned journals

1. Unomah, G. C., Prasad, M., Oladunjoye, M.A. and **Olayinka, A. I.**, 2025. Paleodepositional reconstruction of Lokpanta Shale, Anambra Basin, Nigeria, using organic geochemistry, scanning electron microscopy, and trace elemental analysis. *Journal of African Earth Sciences*, 222, February 2025.
2. Fagbemi, O.I., **Olayinka, A.I.**, Oladunjoye, M.A. , Edigbue, P.I. 2024. Focused reservoir characterization: analysis of selected sand units using well log and 3-D seismic data in 'Kukih' field, Onshore Niger Delta, Nigeria. *Sci Rep* **14**, 13763 (2024). <https://doi.org/10.1038/s41598-024-56100-7>
3. Mville, E. B., EB Kiswaka, OO Osinowo, IM Marobhe, **AI Olayinka**, EE Mshiu, 2022. Timing of the Miocene-Quaternary magmatic intrusions in the Tanga offshore basin: correlation to age equivalent deposits in the Eyasi-Wembere basin and their implications for petroleum potential. DOI: <https://doi.org/10.21203/rs.3.rs-1208836/v1>
4. Unomah, G.C., Prasad, M., Oladunjoye, I. **A. Olayinka**, 2022. Geochemical, microstructural and petrophysical characteristics of Lokpanta Shale, Anambra Basin, Nigeria. *Marine and Petroleum Geology*, 142, 105746.
5. Ezim, E.O, **Olayinka, A. I.**, Oladunjoye, M., Obiadi, I.I., Azuoko, G., 2022. Using inverted 4-D seismic and well data to characterise reservoirs from central swamp oil field, Niger Delta. *World Journal of Advanced Research and Reviews*, 2022, 13(02), 185–200. <https://doi.org/10.30574/wjarr.2022.13.2.0083>
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7. Benatus Norbert Mvile, Emily Barnabas Kiswaka, Olawale Olakunle Osinowo, Isaac Muneji Marobhe, **Abel Idowu Olayinka**, Elisante Elisaimon Mshiu, 2021. Cretaceous–Quaternary seismic stratigraphy of the Tanga offshore Basin in Tanzania and its petroleum potential. *Journal of Petroleum Exploration and Production Technology*.
8. Olawale Olakunle Osinowo, Olumide Emmanuel Fashola, Elijah Adebawale Ayolabi and **Abel Idowu Olayinka**, 2021. Structural mapping and gold mineralisation potential evaluation from airborne time – domain electromagnetic (TDEM) data of Ilesha Schist Belt, southwestern Nigeria, *Exploration Geophysics*, DOI: [10.1080/08123985.2021.1922275](https://doi.org/10.1080/08123985.2021.1922275)
8. Moruffdeen Adedapo Adabanija, **Abel Idowu Olayinka**, Olawale Olakunle Osinowo, Abdulquadri Tayo Junaid and Isiah Olufemi Adebayo,

2021. Obtaining Suction Distribution Within Vadose Zone of Highway Pavement System in Southwestern Nigeria Using Physico-Empirical Approach. *Geotechnical and Geological Engineering*, 39 (5), 3689 - 3727. <https://doi.org/10.1007/s10706-021-01719-w>

9. Eyinla, D.S., Gan, Q., Oladunjoye, M.A., and **Olayinka, A.I.**, 2021. Numerical investigation of the influence of discontinuity orientations on fault permeability evolution and slip displacement. *Geomechanics and Geophysics for Geo-Energy and Geo-Resources* 7 (2), 1-23.
10. Ademila, O. and **Olayinka, A. I.**, 2020. Geotechnical investigation of Pavement Failures: Causes and inherent solutions for sustainable highway construction in Sub-Saharan Africa, 2020. *The Mining-Geology-Petroleum Engineering Bulletin*, pp. 103-114. DOI 10.17794/rgn.2020.4.9
11. Olawale Olakunle Osinowo, Kingsley Alumona, **Abel Idowu Olayinka**, 2020. Analyses of high resolution aeromagnetic data for structural and porphyry mineral deposit mapping of the Nigerian younger granite ring complexes, North - Central Nigeria. *Journal of African Earth Sciences*, Vol. 162, February 2020.
12. Benatus Norbert Mvile, Mahamuda Abu, Olakunle Olawale Osinowo, Isaac Muneji Marobhe and **Abel Idowu Olayinka**, 2020. An overview of the geology of Tanga onshore basin: implication for hydrocarbon potential, Tanzania, East Africa. Vol.:(0123456789)1 3 *Journal of Sedimentary Environments* <https://doi.org/10.1007/s43217-020-00021-8>
13. Ademila, O., **Olayinka, A. I.**, Oladunjoye, M.A., 2020. Land Satellite Imagery and Integrated Geophysical Investigations of Highway Pavement Instability in Southwestern Nigeria. *Geology, Geophysics and Environment*, 46, (2), 135-157.
14. Eyinla, D.S., Oladunjoye, M.A., Gan, Q. and Olayinka, A.I., 2020. Fault reactivation potential and associated permeability evolution under changing injection conditions. *Journal of Petroleum*. <https://doi.org/10.1016/j.petlm.2020.09.006>
15. Adewoye, A., **Olayinka, A.I.** and Abimbola, A. F. 2019. Hydrogeochemical Geometry of Subsurface Layers in Odo-Oba Town, Southwestern Nigeria. *Journal of Emerging Trends in Engineering and Applied Sciences*, 10 (2), 61-72.
16. Alex Ezeh Sharon Fonn, Laban Ariyo, Philip Cotton, Adam Habib, Peter Mulwa Felix Mbithi, Alfred Mtenje, Barnabas Nawangwe, Eytlope O. Ogunbodede, **Abel Idowu Olayinka**, Frederick Golooba-Mutebi. 2018. Repositioning Africa in Global Knowledge production. *The Lancet*. 392, 10153. DOI: 10.1016/S0140-6736(18)31068-7

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18. Okpoli, C. C., Olayinka, A. I., and Oladunjoye, M. A., 2017. Estimation and characterisation of aquifer production using Dar-Zarrouk parameter in crystalline basement terrain, southwest Nigeria. *Discovery*, 53 (262), 505-518.
19. Oladunjoye, M. A., **Olayinka, A.I.**, Alaba, M and Adabanija, M. A., 2016. Interpretation of high resolution aeromagnetic data for lineaments study and occurrence of Banded Iron Formation in Ogbomoso area, Southwestern Nigeria. *Journal of African Earth Sciences*, 116, 43-53.
20. Oyeyemi, K. D., Oladunjoye, M.A., **Olayinka, A.I.** and Aizebeokhai, A. P., 2015. Geophysical Imaging of Archaeological Materials at Iyekere, Ile-Ife, southwestern Nigeria, *Journal of Environment and Earth Science*, 5, No 2, 148-157.
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29. Osinowo, O.O. and **Olayinka, A. I.** 2012. Very low frequency electromagnetic (VLF-EM) and electrical resistivity (ER) investigation for groundwater potential evaluation in a complex geological terrain around the Ijebu-Ode transition zone, southwestern Nigeria. *Journal of Geophysics and Engineering*, 9, 374–396.
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35. Aizebeokhai, A.P. and **Olayinka, A.I.** 2011. Anomaly effects of orthogonal paired-arrays for 3D geoelectrical resistivity imaging. *Environmental Earth Science*, 64, 2141–2149.
36. Aizebeokhai, A. P., **Olayinka, A. I.**, Singh, V. S. and Uhuegbu, C. C. **2011.** Effectiveness of 3D geoelectrical resistivity imaging using parallel 2D profiles. *Current Science*, 101, 1036-1052.

37. Oladunjoye, M.A., **Olayinka, A. I.** and Amidu, S. A. 2011. Geoelectrical imaging at an abandoned waste dump site in Ibadan, Southwestern Nigeria. *Journal of Applied Sciences*, 11 (22), 3755-3764.
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near Akure, southwestern Nigeria. *Global Journal of Pure and Applied Sciences*, 7, No 2, 311-320.

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65. Adejobi, A.R. and **Olayinka, A.I.**, 1997. Stratigraphy and hydrocarbon potential of the Opuama Channel complex, western Niger Delta. *Bulletin of the Nigerian Association of Petroleum Explorationists*, 12, No 1, 1-10.
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