

## Review Form 1.6

Journal Name:	<a href="#">Journal of Applied Life Sciences International</a>
Manuscript Number:	Ms_JALSI_85282
Title of the Manuscript:	Geochronology of Recent Sediments from the Upper Bonny Estuary (Niger Delta) Using Naturally Occurring Radionuclides
Type of the Article	Original Research Article

### General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljalsi.com/index.php/JALSI/editorial-policy> )

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### PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	This paper was written well	Thanks
<b>Minor</b> REVISION comments	No minor comments except putting the tables in better show than the present So I recommend to accept it	
<b>Optional/General</b> comments	Add some latest references (2020 onwards)	<p>Some latest references have been added, here are the list below:</p> <ol style="list-style-type: none"><li>3. Baskaran, M.. <i>Radon: A tracer for geological, geophysical and geochemical studies</i> 367. Basel 2016; Springer.</li><li>4. Maslennikova, A. Holocene environments in the Middle Urals: Palaeolimnological proxies from the Lake Tavatui (Russia). <i>Quat. Int.</i> 2022.</li><li>5. Heldal, H. E., Helvik, L., Appleby, P., Haanes, H., Volynkin, A., Jensen, H., &amp; Lepland, A. Geochronology of sediment cores from the Vefsnfjord, Norway. <i>Mar. Pollut. Bull.</i> 2021; 170, 112683.</li><li>6. Barsanti, M., Garcia-Tenorio, R., Schirone, A., Rozmaric, M., Ruiz-Fernández, A. C., Sanchez-Cabeza, J. A., ... &amp; Osvath, I. Challenges and limitations of the <sup>210</sup>Pb sediment dating method: Results from an IAEA modelling interlaboratory comparison exercise. <i>Quat. Geochronol.</i> 2020; 59, 101093.</li><li>7. Abril, J. M. Multimodal-TERESA, a <sup>210</sup>Pb-based radiometric dating model for recent sediments under largely varying rates of supply. <i>Quat. Geochronol.</i> 2020; 55, 101032.</li><li>8. Cuesta, E., Barba-Lobo, A., Lozano, R. L., San Miguel, E. G., Mosqueda, F., &amp; Bolívar, J. P.. A comparative study of alternative methods for <sup>210</sup>Pb determination in environmental samples. <i>Radiat. Phys. Chem.</i> 2022; 191, 109840.</li><li>9. Tchatchouang Chougong, D., Ngueutchoua, G., Henock Dicka, E., Ekoa Bessa, A. Z., Youbouni Ghepdeu, G. F., Bilounga, U. J. F., ... &amp; Armstrong-Altrin, J. S. Distributions of trace metals and radionuclides contamination in alluvial sediments from the Lobé River in Cameroon. <i>Earth Syst. Environ.</i> 2022; 6(1), 121-139.</li><li>10. Foucher, A., Chaboche, P. A., Sabatier, P., &amp; Evrard, O. A worldwide meta-analysis (1977–2020) of sediment core dating using fallout</li></ol>

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		<p>radionuclides including <math>^{137}\text{Cs}</math> and <math>^{210}\text{Pb}</math> xs. <i>Earth Syst. Sci. Data.</i> 2021; 13(10), 4951-4966.</p> <p>12 Chima, K. I., Granjeon, D., Couto, D. D., Leroux, E., Gorini, C., Rabineau, M., ... &amp; Glukstad, M. M. Tectono-stratigraphic evolution of the offshore western Niger Delta from the Cretaceous to present: Implications of delta dynamics and paleo-topography on gravity-driven deformation. <i>Basin Res.</i> 2022; 34(1), 25-49.</p> <p>23. Meng, X., Kooijman, A. M., Temme, A. J., &amp; Cammeraat, E. L. The current and future role of biota in soil-landscape evolution models. <i>Earth-Sci. Rev.</i> 2022; 103945.</p> <p>27. Daramola, S., Li, H., Omonigbehin, O., Faruwa, A., &amp; Gong, Z. Recent retreat and flood dominant areas along the muddy Mahin coastline of Ilaje, Nigeria. <i>Reg. Stud. Mar. Sci.</i> 2022; 102272.</p>

## PART 2:

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	