

**Review Form 1.7**

Journal Name:	<b>Chemical Science International Journal</b>
Manuscript Number:	<b>Ms_CSIJ_116099</b>
Title of the Manuscript:	<b>Determination of the radioactive nature of the sediments of the bays of the Ebrié lagoon of Abidjan (Ivory Coast)</b>
Type of the Article	

## Review Form 1.7

### 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)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> <li>1. <b>Yes, it is relevant as it specifically deals with the impact of lead (210) which is toxic and evaluated with field observations in a particular area that can benefit in taking mitigation measures.</b></li> <li>2. <b>Yes, it is suitable.</b></li> <li>3. <b>Yes, but it is advisable to include the scientific merit of these findings.</b></li> <li>4. <b>Yes, it is appropriate.</b></li> <li>5. <b>Yes, as it involves a number of sample collection of a specific area and then compared with the international standards.</b></li> <li>6. <b>Yes, references are sufficient but it advisable to provide more latest references along with their doi links.</b></li> </ol> <p><u>Additional suggestions/comments</u></p> <ol style="list-style-type: none"> <li>1. <b>The introduction part is very small and needs extension including how the past research has been done using alpha spectrometry and elaborate its significance.</b></li> <li>2. <b>The author should clarify whether they are using <sup>209</sup>Po or <sup>210</sup>Po in whole manuscript. In fig.3 and 4, indicates <sup>209</sup>Po, but while writing, it is <sup>210</sup>Po.</b></li> <li>3. <b>In section 2.6, briefly describe how the values of P affects the results of the study if its value is greater or less than 0.5.</b></li> <li>4. <b>Explain how the alpha emission spectra in Fig. 3 and Fig. 4 are different and what does the peak values of Po and Pb indicates.</b></li> <li>5. <b>The abstract and conclusions are almost same. The author should extend the conclusion including the limitations of the study and few more lines on the future scope.</b></li> </ol>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>Yes, with a few minor changes as mentioned.</p> <p><u>Minor changes</u></p> <ol style="list-style-type: none"> <li>1. I suggest to kindly go through the entire manuscript where grammatical errors, punctuation marks and spacings are inaccurate.</li> <li>2. In abstract, use "and" between strong acids and then. In section 2.3, use 'analyses' in place of 'analyzes'.</li> <li>3. In figure 6, it should be "seasons" in x-axis title.</li> <li>4. It is advisable to make an <b>Abbreviations</b> section for full form of various PANREAC, IAEA-TEL etc.</li> <li>5. I suggest to write the "doi link" of all the references given.</li> </ol>	
<p><b>Optional/General</b> comments</p>	<p>It is advisable to kindly provide page numbers and line numbers in the manuscript. I help in reviewing process and to indicate exact major/minor changes.</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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