

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Geological Research</a>
Manuscript Number:	Ms_AJGER_128153
Title of the Manuscript:	SEDIMENTOLOGICAL CHARACTERISTICS AND DEPOSITIONAL ENVIRONMENT OF ILARO FORMATION, EXPOSED AROUND AJEGUNLE, DAHOMEY BASIN, SOUTHWESTERN NIGERIA
Type of the Article	Research paper

#### **PART 1: Comments**

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript has the potential to have a significant impact on scientific research, resource management and the understanding of environmental dynamics in the Dahomey basin and beyond.	
Is the title of the article suitable? (If not please suggest an alternative title)	<b>THE TITLE SHOULD READ: SEDIMENTOLOGICAL CHARACTERISTICS OF ILARO FORMATION, EXPOSED AROUND AJEGUNLE, DAHOMEY BASIN, SOUTHWESTERN NIGERIA</b> Because a sedimentological study aims to understand the formation, composition, distribution and depositional processes of sediments, including the depositional environment.	

**Review Form 3**

<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract is incomplete because it consists essentially of results, interpretation and conclusion. What's needed is AN INTRODUCTION that presents the context of the study and the importance of the subject. A METHODOLOGY: Briefly describes the methods used to conduct the research, including the type of study, participants, instruments and analysis techniques. Some keywords chosen do not fit with the title of the Article so deleted. I propose to retain the following words: Sedimentology, Stratigraphy, Depositional Environment, Ilaro Formation, Dahomey Basin.</p>	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>The manuscript is scientifically correct. However, the Introduction is poorly written, presenting only generalities about previous work. The author should present the research topic in a broader context and explain why this research is relevant. In addition to reviewing the literature, the author should clearly formulate the research question in relation to the gaps identified in the literature. He or she must also state the main objectives of the research. It should outline the methods to be used in the study, without going into detail (this will be developed later in the article). Figure 1 should be used in heading 2), which I propose to modify: geographical setting and geological context of the study area, location and physiography of the study area. The methodology, which covers field and laboratory work, should be written in a single paragraph presenting only the materials used and the methodology adopted to arrive at the research results; no interpretation of the data should be made at this level. For the results, the author should write a first title STRATIRAPHIE DE LA ZONE D'ETUDE (STRATEGY OF THE STUDY AREA), describing the lithostratigraphic column followed by the figure. The author has not included a discussion, whereas in a research paper a discussion is necessary to compare results with previous work. The CONCLUSION is very long, as there is a repetition of the presentation of the results. The author should briefly recall the most significant results of his study. Do not repeat in detail what has been said in the body of the article, but present the key points. Explain the significance of your results. What do they mean in relation to the initial problem? He must discuss the implications of his results for the research field concerned. What are the practical and theoretical consequences? He must recognize the limits of his research. What are the weaknesses or potential biases? This shows a critical approach and helps contextualize your results. It should suggest avenues for further study. What questions remain to be explored? What aspects of your research could be explored further? And finally, it should end with a powerful sentence that sums up the importance of your study. This could be a thought-provoking statement or a call to action.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references are insufficient and old, the author has focused much more on past work in the same basin when he should open up to other basins by making a sub-regional and international bibliography. He needs articles dating from 2020 to the present day to better contextualize his work. I suggest these studies:</p> <ul style="list-style-type: none"> <li>- Stratigraphic, sedimentological and magnetic study of Middle and Upper Pleistocene deposits at Baume MoulaQuercy (Soyons, Ardèche)</li> <li>- Sedimentology, Granulometry, Sequential Analysis and Paleoenvironments of the Recent Holocene Fill of Loango Bay in the Kivesso Sector (Republic of Congo)</li> <li>• - Sedimentology and paleoenvironments of the Loango Bay deposits</li> <li>•</li> </ul>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>English is well suited to scientific communications</p>	
<p><u>Optional/General</u> comments Facultatif/Observations générales</p>	<p>The author must be more critical and synthetic in his reasoning in order to produce work of superior quality.</p>	

[Review Form 3](#)

**PART 2:**

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

**Reviewer Details:**

<b><u>Name:</u></b>	<b><u>Laouali Idi Karimou</u></b>
<b><u>Department, University &amp; Country</u></b>	<b><u>Abdou Moumouni University, Niger</u></b>