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| Journal Name: | [**Asian Journal of Geological Research**](https://journalajoger.com/index.php/AJOGER) |
| Manuscript Number: | **Ms\_AJOGER\_137586** |
| Title of the Manuscript: | **Mapping Time: Seismic Sequence Stratigraphy Applications in the West African Margin** |
| Type of the Article |  |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **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.** | **The manuscript attempted to review the West African Margin using seismic date to access the sequence stratigraphy. Although various researcher have attempted to work on some of the basin created by this rifting system. On the sequence stratigraphy, its important to review various work done in the past due to advancement of technologies such as 3D and 4D seismic interpretation tools.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Since the paper is a review, the alternative title could be: The Application of seismic in sequence Stratigraphy mapping: Case study, West African Margin.**  **The may clarify what he/she mean with Mapping time. Is there a precise time to map or not.** |  |
| 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. | **It is necessary to supplement the text of the abstract by structuring it with: purpose, methods, subject(if any), object(if any) and research results, conclusions.**  **I suggest additions of the supplement text as stated above.** |  |
| Is the manuscript scientifically, correct? Please write here. | The West African Margin was formed as a result of the breakup of Gondwana and the progressive separation of the South American and African continents. This rifting created syn-rift, pre-rift and post-rift system which controlled the accommodation of sediments into the basins. Therefore it will be correct to say that the structural controls transformed our understanding of the West African Margin while the sequence stratigraphy using seismic and biostratigraphy data gave better understanding of the sediments, fossil records and Environmental of deposition (EOD). |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes, the references are sufficient and up to date. I will suggest that the author should include source or references to the diagrams(figures 1,2 and 3) in the manuscript. Or Is the author the originator of the diagrams? |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, it is suitable. |  |
| Optional/General comments | **The author has provided case studies 1- 5 without showing the stratigraphic setting of any. It is advisable that the Stratigraphy setting of the basins mentioned should be clearly seen with a diagram and the with the geological history** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail) NO* |  |

**Reviewer details:**

**Mohammed Abubakar Mohammed, University of Abuja, Nigeria**