

REVIEWER'S REPORT

Manuscript No.: IJAR-59315

Title: Du domaine continental au domaine marin ouvert : évolution paléoenvironnementale de l'Albien au Maastrichtien sur la marge d'Abidjan (Côte d'Ivoire).

Recommendation:

Accept as it is ☐☐☐☐..

Accept after minor revision ☐☒☐☐

Accept after major revision ☐☐☐☐

Do not accept (*Reasons below*) ☐☐☐

Rating	Excel.	Good	Fair	Poor
Originality		√		
Techn. Quality		√		
Clarity			√	
Significance		√		

Reviewer ID: JP085

Reviewer's Comment for Publication.

This article studies the geological and environmental evolution of the Abidjan margin during the Cretaceous period. It combines sedimentological and palynological analysis of 192 drilling-cutting samples from well AB-9X. The study identifies six lithological units and suggests a transition from a continental environment during the Albien to a more open marine environment during the Campanian–Maastrichtian.

Strength:

1. The topic is relevant to regional geology and palaeoenvironmental studies.
2. The study combines sedimentology and palynology, which provides complementary information.
3. A relatively large number of samples (192) were examined.
4. The study covers a long Cretaceous interval, from the Albien to Maastrichtian.
5. Several fossil pollen, spores, and dinoflagellate cysts are reported.

Weakness:

1. Only drilling cuttings were used, which may disturb the original rock sequence.
2. Some age identification is based on only a few fossil markers.
3. The Turonian age is not very strong because it is based mainly on one marker.
4. The Coniacian stage is not clearly established.
5. Some environmental interpretations are not strongly supported by fossil data.
6. The change toward a more humid climate needs more evidence.
7. More numerical data on fossil abundance and diversity would improve the study.

Overall assessment:

The article is useful and contains valuable geological information. However, some age and environmental interpretations need stronger evidence and more careful explanation. The methods, results, figures, and discussion should be improved before publication.

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Recommendation: Manuscript accepted for publication after minor revision.