

**Review Form 1.7**

Journal Name:	<b>Current Journal of Applied Science and Technology</b>
Manuscript Number:	<b>Ms_CJAST_108047</b>
Title of the Manuscript:	<b>Prospects for the characterization of the fundamental parameters linked to the energy spectrum of the aeolian sea state in Benin coastal zone</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

	<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>
<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><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ol style="list-style-type: none"> <li>1. The manuscript discusses a significant and valuable study focused on wave parameters and sea state characterization in the Gulf of Guinea, specifically in the coastal zone of Benin. The research provides a comprehensive analysis of wave data, including significant heights, wave periods, wind influences, and wave energy, which are crucial factors for various applications, including coastal management, maritime safety, and renewable energy. The findings offer valuable insights into the wave climate of this region, emphasizing the predominance of swell from the South Atlantic and its characteristics. Overall, this manuscript contributes essential knowledge to the scientific community, particularly those engaged in oceanography, coastal engineering, and environmental studies in the Gulf of Guinea area.</li> <li>2. The title of the article, "Statistical Study of Wave Parameters: Sea States in the Deep Waters (Offshore) of the Gulf of Guinea in Benin," is informative and accurately reflects the content of the manuscript.</li> <li>3. Yes, the abstract of the article is comprehensive. It provides a clear overview of the key points covered in the manuscript, including the study's objectives, methodology, main findings, and implications. It effectively summarizes the research on wave parameters in the Gulf of Guinea offshore, giving readers a good sense of what to expect when reading the full article.</li> <li>4. The subsections and structure of the manuscript appear to be appropriate. The manuscript is organized into sections such as Introduction, Analysis and Discussion of Results, Conclusion, and References, which is a common and logical structure for a scientific paper. Within these sections, the content is divided into subsections, providing a clear hierarchy and flow of information.  However, the overall structure and organization may benefit from some minor improvements in terms of clarity and readability. For example, it could be helpful to provide more descriptive subsection headings to guide readers through the content. Additionally, ensuring that there is a smooth transition between subsections and that the content flows logically from one point to the next would enhance the manuscript's overall structure.  Overall, while the manuscript's structure is generally appropriate, small refinements in organization and subsection headings could improve its clarity and readability.</li> <li>5. Based on the information provided in the manuscript, it appears to be scientifically correct. The authors have presented data and analyses related to wave and swell characteristics in the Gulf of Guinea, and they have used statistical methods to draw conclusions about the wave parameters in the study area. The manuscript includes references to relevant scientific literature, which supports the context and scientific validity of the study.</li> <li>6. The manuscript includes a list of references that provide relevant background information and support the context of the study.</li> <li>7. Here are a few additional suggestions/comments for the manuscript:  Clarity and Language: The manuscript would benefit from some improvements in clarity and language. Some sentences are quite long and complex, which can make it challenging for readers to follow. Consider breaking them down into shorter, more digestible sentences. Additionally, there are a few minor grammatical errors that could be addressed for improved readability.</li> </ol>	

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<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language and English quality of the article are generally suitable for scholarly communication. However, there are some areas where language and clarity could be improved:</p> <p>Sentence Structure: Some sentences are quite long and complex, which can make them challenging to follow. Consider breaking them down into shorter, more concise sentences for improved readability.</p> <p>Grammar and Proofreading: There are a few minor grammatical errors and awkward phrasings throughout the manuscript. A thorough proofreading and language editing process could help eliminate these issues and enhance the overall quality of the article.</p>	
<p><b>Optional/General</b> comments</p>	<p>The language and English quality of the article are generally suitable for scholarly communication. However, there are some areas where language and clarity could be improved:</p> <p>Sentence Structure: Some sentences are quite long and complex, which can make them challenging to follow. Consider breaking them down into shorter, more concise sentences for improved readability.</p> <p>Grammar and Proofreading: There are a few minor grammatical errors and awkward phrasings throughout the manuscript. A thorough proofreading and language editing process could help eliminate these issues and enhance the overall quality of the article.</p> <p>Clarity: While the overall language is suitable, some sections could benefit from improved clarity. Ensure that each sentence and paragraph conveys its intended meaning clearly and concisely.</p>	

**PART 2:**

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

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