

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_130386
Title of the Manuscript:	Impact of climatic and anthropogenic factors on the spatio-temporal dynamics of mangroves in the Grand-Bassam wetland, Côte d'Ivoire
Type of the Article	Short Research Article

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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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 provides valuable insights into the spatio-temporal dynamics of mangroves in Côte d'Ivoire, particularly in the Grand-Bassam Wetland area, highlighting the impacts of climate change and human activities on these crucial ecosystems. The study combines floristic, physicochemical, socio-economic, and remote sensing data, offering a comprehensive analysis that is essential for understanding mangrove degradation and its consequences. It also underscores the need for sustainable management and restoration strategies to mitigate further loss, contributing significantly to the scientific knowledge on mangrove conservation and climate resilience. The findings have important implications for future research, policy development, and conservation efforts in coastal and wetland ecosystems globally.	Alright.
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title of the article is suitable as it clearly reflects the main focus of the study, which is the impact of climatic and anthropogenic factors on the spatio-temporal dynamics of mangroves in the Grand-Bassam Wetland in Côte d'Ivoire. It succinctly conveys the geographical context, the ecosystems under study, and the major influencing factors.  However, an alternative title could be: " <b>Spatio-Temporal Dynamics and Conservation Challenges of Mangroves in the Grand-Bassam Wetland, Côte d'Ivoire: Impacts of Climate Change and Human Activities.</b> " This alternative title provides clarity on the focus areas.	Alright, but we prefer to keep the title of our article.

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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>The abstract of the article is generally comprehensive as it effectively summarizes the background, aim, methodology, results, and conclusion of the study. It provides a clear overview of the research focus on the impact of climatic and anthropogenic factors on the mangroves in Grand-Bassam Wetland, highlighting key findings such as the significant decrease in mangrove cover and the roles of climate change and human activities in this decline.</p> <p>However, a few points could be added for better clarity:</p> <ol style="list-style-type: none"><li><b>Study significance:</b> A brief mention of the broader implications of the study for mangrove conservation and climate adaptation could strengthen the abstract.</li><li><b>Geospatial methods:</b> While remote sensing methods are mentioned, a clearer indication of how these techniques were integrated with socio-economic and physicochemical data could improve understanding of the study's comprehensive approach.</li><li><b>Recommendations for management:</b> Including a mention of the study's recommendations for mangrove restoration or conservation measures would offer readers an immediate sense of the practical outcomes.</li></ol> <p>These additions would make the abstract even more informative and well-rounded without detracting from its conciseness.</p>	<p>The methodology used allows for anticipating actions for better mangrove management, as it enabled us to estimate the area lost over the past 35 years and the risks this area faces if no concrete action is taken.</p> <p>The remote sensing data were processed separately from the socio-economic and physicochemical data.</p>
Is the manuscript scientifically, correct? Please write here.	Yes, the manuscript is scientifically correct. It employs appropriate methodologies, including remote sensing, floristic analysis, and socio-economic surveys, and aligns with established scientific concepts regarding the impact of climate change and human activities on mangrove ecosystems. The use of recognized indices and the IUCN Red List supports the accuracy of the findings. Overall, the study demonstrates sound scientific methodology.	Alright.
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient and include relevant studies and recent.	Alright.
Is the language/English quality of the article suitable for scholarly communications?	The language quality of the article is generally suitable for scholarly communication. However, there are some areas where sentence structure, clarity, and grammar could be improved for better readability and flow. Minor revisions for grammatical accuracy and coherence would enhance the overall presentation of the manuscript.	Alright.
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	