

Review Form 1.7

Journal Name:	Asian Journal of Environment & Ecology
Manuscript Number:	Ms_AJEE_118849
Title of the Manuscript:	Water hyacinth (Eichhornia crassipes) in Coimbatore Lakes: Insights into Density, Biomass, Carbon stock, and Nutrient Dynamics for Environmental Conservation Strategies
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajee.com/index.php/AJEE/editorial-policy>)

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PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> The manuscript is significant for the scientific community, particularly for researchers focused on invasive species management, aquatic ecology, and environmental conservation. By providing detailed insights into the density, biomass, carbon stock, and nutrient dynamics of Eichhornia crassipes in Coimbatore lakes, the study contributes valuable data that can inform both local and global strategies for managing this invasive species. The current title, "Water hyacinth (Eichhornia crassipes) in Coimbatore Lakes: Insights into Density Biomass Carbon stock and Nutrient Dynamics for Environmental Conservation Strategies," is informative but somewhat lengthy. A more concise and equally descriptive title could be: "Ecological Dynamics of Water Hyacinth in Coimbatore Lakes: Implications for Biomass, Carbon Stock, and Nutrient Management." The abstract is comprehensive and effectively summarizes the study's objectives, methodologies, and key findings. The subsections and structure of the manuscript are appropriate and logically organized. The division into sections such as introduction, methodology, results, and discussion allows for a clear and systematic presentation of the research The manuscript appears to be scientifically accurate, with methodologies and thorough statistical analyses supporting the findings. No. The references in the manuscript are not updated to 2024 and too old references should be deleted and replaced with recent one, the number of references are also not sufficient 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>There are minor grammatical and syntactical errors throughout the manuscript. Careful proofreading and editing can help in correcting these issues to ensure the text reads smoothly. Examples include subject-verb agreement and proper use of articles.</p> <p>Some sentences are overly complex and could be simplified for better readability. Breaking down long sentences into shorter, more digestible ones can improve the overall readability of the manuscript.</p> <p>While scientific writing often employs the passive voice, mixing it with active voice where appropriate can make the text more engaging. For example, "The samples were collected" could be alternated with "We collected the samples" to vary the sentence structure.</p> <p>Improve transitions between paragraphs and sections to enhance the flow of ideas. This will help readers follow the argument more easily and understand the connections between different parts of the study.</p> <p>Example:</p>	

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	<p>"The aim of this study is to evaluate the density, biomass, carbon stock and nutrient dynamics of Eichhornia crassipes in five lakes in Coimbatore." Needs to be written as</p> <p>"This study aims to evaluate the density, biomass, carbon stock, and nutrient dynamics of Eichhornia crassipes in five lakes located in Coimbatore."</p>	
<p><u>Optional/General</u> comments</p>	<p>While the study focuses on ecological and environmental impacts, consider including a brief discussion on the socioeconomic implications of managing Eichhornia crassipes. For instance, exploring how local communities can benefit from the management strategies (e.g., through employment in biomass harvesting) could add another dimension to the study.</p> <p>The inclusion of figures, tables, and charts greatly enhances the manuscript's readability and helps in conveying complex data clearly. Ensure all visual aids are high quality, appropriately labeled, and referenced in the text. Consider adding more visual aids if necessary, such as maps of the study sites or graphical representations of the biomass and carbon stock data.</p> <p>The manuscript would benefit from a section on future research directions. Identifying gaps in the current knowledge and suggesting areas for further investigation can provide a roadmap for other researchers in the field. Topics such as long-term monitoring, the impact of different environmental conditions on Eichhornia crassipes growth, or comparative studies with other invasive species could be explored.</p> <p>Highlight any engagement with local stakeholders, such as government agencies, environmental NGOs, or community groups, during the study. This can demonstrate the practical relevance of the research and its potential for real-world application. Including quotes or insights from these stakeholders can also add depth to the discussion.</p> <p>The research effectively bridges various fields, including ecology, environmental science, and conservation biology. Highlighting these interdisciplinary connections can attract a wider audience and emphasize the broader applicability of the study's findings. For instance, linking the results to global invasive species management practices or climate change mitigation strategies can enhance the manuscript's impact.</p> <p>For section 2.4 and 2.6 use equation editor to draw the equation.</p> <p>For results and discussion for sections 3.1, 3.2, 3.3 etc don't start the sentence with table or figure number, first write sentence and denote the number, follow same for the entire manuscript</p> <p>The total number of tables are many, reduce</p> <p>Conclusion rewrite, indicate the important findings only in the section.</p>	

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PART 2:

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

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