

Review Form 3

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_123310
Title of the Manuscript:	Forecasting Economic Value of Ecosystem Services of Coastal Areas of Indian Ocean: A Case of Kinondoni District, Tanzania
Type of the 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: Review Comments

Compulsory REVISION 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>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>Given the dearth of recent similar studies for the Western Indian Ocean Region, this manuscript and the work therein is of value. However, the value of the particular area under consideration is not strongly emphasised within the manuscript, nor is the value and importance of the WIO region contextualised. However, the author does well to try and highlight the value of predicting future ESV for conservation of resources. Such work is of value.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article is suitable. However, it needs some grammatical alterations. It should read : Forecasting the Economic Value of Ecosystem Services in Coastal Areas of the Indian Ocean: A Case Study of the Kinondoni District, Tanzania</p>	
<p>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>	<p>The abstract is acceptable. However, there appear to be errors from the results that have carried through to this (discussed in more detail below). Additionally, the abstract makes reference methodologies that were used that are not adequately covered in the body of the manuscript (field surveys etc). This must either be more comprehensively addressed in the document or removed from the abstract to eliminate confusion. I would also caution the author against the sue of "significant" without having done sufficient statistical analyses to justify as such.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>For the most part subsections are acceptable. However, a number of subheadings are unnecessarily lengthy and unclear. These should be reconsidered to more concisely communicate the point.</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>The scientific correctness is, in some ways, difficult to accurately assess. The methodology is somewhat vague in parts, making an assessment challenging. The use of field surveys etc is not covered. This should be included. Moreover, it appears that ecosystem service value coefficients are from 1994. Is there no concern these may be outdated? The benefit transfer method also requires some elaboration for clarity. Concern is raised as there appears to be some mathematical errors in the results, which impact the interpretation of data and reliability of conclusions. Specifically, Table 4 indicates that the ESV of water is 181.8 in 2023, and 173.57 in 2023. Table 5 indicates this to be a decline of 78.91%. This is 4.52% decrease. This is a notable error. Moreover, the text states negative and positive signs will be used to indicate gain/loss. This is not done. There are several similar errors which notably impact the interpretation of the data. Moreover, Table 5 attempts to force the %change to add 100%, this approach is incorrect as there is no reason that a cumulative 100% would be reached across the changes of various LUs. It would be more suitable to present an average % change. The statistics used could be far more robust, with analyses done to assess the significance of changes. Additionally, annual change is done as the average over the 10 year period, this assumption that there would be no variability in the rate of change should be indicated. Given the mathematical errors, the robustness of the manuscript is regrettably questionable.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The references used are up to date and relevant.</p>	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	There are numerous grammatical errors, with occasional missing words. However, an additional review by the author with attention to detail should address these,	
<u>Optional/General</u> comments	Greater detail could be provided upfront in terms of providing a broader contextualisation of ecosystem services. Additionally, the value of the WIO region and study area could be better emphasised. Units are not indicated in tables making interpretation of the data mor challenging.	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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