

Paper: “Contribution to the sustainable management of water and soil resources in North-West Benin: characterization of the watershed heads of the Ouémé and Pendjari rivers in the commune of Copargo”

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Date Manuscript Received: 10/24/2024	Date Review Report Submitted: 11/02/2024
Manuscript Title: Contribution to the sustainable management of water and soil resources in North-West Benin: characterization of the watershed heads of the Ouémé and Pendjari rivers in the commune of Copargo	
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Evaluation Criteria:

Please give each evaluation item a numeric rating on a 5-point scale, along with a thorough explanation for each point rating.

<i>Questions</i>	<i>Rating Result</i> [Poor] 1-5 [Excellent]
1. The title is clear and it is adequate to the content of the article.	4
The title is appropriate and clearly states the key features of this work.	
2. The abstract presents objects, methods, and results.	4

<p>The abstract is generally fair since it provides an overview of the background, justifying the need to conduct such research and presenting the most relevant results.</p> <p>The reviewer asks the authors to revise the last sentence of the abstract. To make this section more relevant, it would be interesting to replace the sentence:</p> <p><i>"This study will be followed by a physicochemical and bacteriological characterization study of water resources in the study area with a view to assessing the impact of anthropogenic pressure on them"</i></p> <p>with this one:</p> <p><i>"With a view to assessing the impact of anthropogenic pressure on the water resources of the study area, it would be good in the future to proceed with the physicochemical and bacteriological characterization of these resources."</i></p>	
3. There are a few grammatical errors and spelling mistakes in this article.	4
<i>(Please insert your comments)</i>	
4. The study methods are explained clearly.	4
The methodology is well developed.	
5. The results are clear and do not contain errors.	
The authors present interesting results, but the article needs to be revised. The reviewer asks the authors to strengthen the interpretation of the results by a comparative analysis with the results of other works found in the literature.	
6. The conclusions or summary are accurate and supported by the content.	4
<p>Instead of presenting the prospects of this work in an undefined future, would it be possible to announce them in the form of the conditional?</p> <p><i>It is in this perspective that after this characterization study based on the criteria of morphology and land use, a study will be carried out on the physico-chemical and bacteriological characterization of water resources in these watershed heads in the commune of Copargo.</i></p>	
7. The references are comprehensive and appropriate.	4
The article reflects a state of knowledge with literature, whose cited articles are evaluated at an international level. It would be good if the authors provide the DOIs for all the articles found in the list of bibliographic references.	

Overall Recommendation (mark an X with your recommendation) :

Accepted, no revision needed	
Accepted, minor revision needed	x
Return for major revision and resubmission	

Reject	
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Comments and Suggestions to the Author(s):

The reviewer asks the authors to revise the last sentence of the abstract. To make this section more relevant, it would be interesting to replace the sentence:

"This study will be followed by a physicochemical and bacteriological characterization study of water resources in the study area with a view to assessing the impact of anthropogenic pressure on them"

with this one:

"With a view to assessing the impact of anthropogenic pressure on the water resources of the study area, it would be good in the future to proceed with the physicochemical and bacteriological characterization of these resources."

The authors present interesting results, but the article needs to be revised. The reviewer asks the authors to strengthen the interpretation of the results by a comparative analysis with the results of other works found in the literature.

Instead of presenting the prospects of this work in an undefined future, would it be possible to announce them in the form of the conditional?

*It is in this perspective that after this characterization study based on the criteria of morphology and land use, a **study will be carried out** on the physico-chemical and bacteriological characterization of water resources in these watershed heads in the commune of Copargo.*

The article reflects a state of knowledge with literature, whose cited articles are evaluated at an international level. It would be good if the authors provide the DOIs for all the articles found in the list of bibliographic references.