

### Review Form 3

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_122818</b>
Title of the Manuscript:	<b>Evaluation of the efficiency of irrigation in the Boghol valley, rural commune of Dabaga in the Aïr massif in Niger</b>
Type of the Article	<b>Original Research Article</b>

#### **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:

<https://r1-reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

Peer review Comments Approval Policy: <https://r1-reviewerhub.org/peer-review-comments-approval-policy/>

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**Review Form 3****PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>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.</b>	This research is crucial for the scientific community as it addresses the pressing issue of water scarcity and irrigation inefficiency in arid regions, like the Boghol Valley. By diagnosing current irrigation practices and suggesting potential improvements, the study provides valuable insights that could enhance water management strategies globally. These findings contribute to broader efforts to improve agricultural sustainability and resilience in the face of climate change and growing water demands.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Evaluation of Irrigation efficiency in the Boghol valley, Rural Commune of Dabaga, Air Massif, Niger.	
<b>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.</b>	<p>Abstract</p> <p>1. <b>Clarity and Conciseness:</b> The abstract effectively summarizes the study's objective, methods, and findings. However, it could benefit from slight restructuring to enhance clarity. For example, mentioning the primary findings earlier in the abstract would help readers quickly grasp the main results.</p> <p>2. <b>Details:</b> The abstract provides a detailed overview, but it could be more concise. Consider summarizing the key methods and findings in fewer words while retaining the essential information.</p> <p>3. <b>Grammatical and Stylistic Corrections:</b> There are minor grammatical errors. For instance:  - "corollary decrease in production" might be better phrased as "resulting in decreased production."  - "the objective of this work" could be "the objective of this study."</p>	
<b>Are subsections and structure of the manuscript appropriate?</b>	-	
<b>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.</b>	<ol style="list-style-type: none"> <li>1. In the abstract, replace "with a corollary decrease in production" with "leading to a subsequent decrease in production" for better clarity.</li> <li>2. The introduction should clarify that water is vital for plant growth, but not necessarily the most critical factor in all circumstances.</li> <li>3. Ensure consistency in units of measurement, such as m<sup>3</sup> and mm, throughout the text to maintain uniformity.</li> <li>4. Replace "To know the texture of the valley soil" with "To determine the soil texture of the valley" in the methodology section.</li> <li>5. In the conclusion, rephrase "with these losses of water in a very arid environment" to "given these water losses in an arid environment" for more precise language.</li> </ol>	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Maybe added resent reference like 2022 to 2024.	
<b>Minor</b> REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes	
<b>Optional/General</b> comments		

### Review Form 3

#### **PART 2:**

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

#### **Reviewer Details:**

Name:	<b>S. Rajaguru</b>
Department, University & Country	<b>Gandhigram Rural Institute (Deem To Be University), India</b>