

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_130324
Title of the Manuscript:	Assessment of Canal Storage Dynamics for Sustainable Water Management in Thrissur North Kole Lands
Type of the Article	Original Research Article

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.	For the scientific community, the "assessment of canal storage dynamics for sustainable water management" is essential for a number of reasons. Particularly in areas that mostly depend on irrigation and canal-based water distribution systems, it is crucial in tackling the problems associated with managing water resources. Sustainable water management is essential for maintaining long-term water supply, ecological health, and socioeconomic development in addition to agricultural output. Because it tackles important issues with water shortage, agricultural productivity, climate change, and environmental protection, the scientific community places a high priority on evaluating canal storage dynamics for sustainable water management. Better decision-making, better infrastructure design, and the encouragement of sustainable water usage habits are all made possible by this kind of research. We can make sure that water resources are managed efficiently, fairly, and sustainably for future generations by improving our knowledge of canal systems and storage dynamics.	Done
Is the title of the article suitable? (If not please suggest an alternative title)	According to objectives, aim, and methodology of the case study, the title of the research article is suitable and unique, no need to change it.	No changes done
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.	The abstract is structured well, no need to changes.	No changes done
Is the manuscript scientifically, correct? Please write here.	Since the manuscript "Assessment of Canal Storage Dynamics for Sustainable Water Management" adheres to important hydrological, water resource management, and environmental sustainability principles, it seems to have a sound scientific foundation. Evaluating canal storage dynamics is essential for a long time water management plans and helps guarantee the effective and fair distribution of water, especially in urban and agricultural environments. Applies the "Trapezoidal Rule" in an appropriate and scientifically rigorous manner to estimate storage capacity, it can be considered scientifically correct.	No changes done
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Based on the literature of research study, the references are sufficient, and I have no suggestion for additional references, because all the information which should be provided are reported correctly "except some of them which I suggested in "General Comments".	No changes done

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Is the language/English quality of the article suitable for scholarly communications?	The quality of the English language is suitable for scholarly communications.	No changes done
Optional/General comments	<div>1. The following reference is not cited in the text or manuscript, please correct it. (Johnkutty. I. & Venugopal, V.K. (1993). Kole Lands of Kerala. Kerala Agriculture University, Thrissur. 1-2.)</div> <div>2. If the author takes a section in the name of “Methodology” and describe the method, which is used in this study, and create a short and concise “Methodological Flowchart”, it will help the reader to understand the analysis and also the topic well.</div> <div>3. Determine the sources and require references for the following information.<div>1. The region experiences a moderate climate with no extremes of heat or cold, characterized by temperatures ranging from a minimum of 21°C to a maximum of 38°C.</div><div>2. The soils in the kole lands are acidic in and rich in organic matter.</div><div>3. The region has two distinct rainy seasons: the South-West (SW) monsoon, which lasts from June to September and typically begins between May 25 and June 1, and the North-East (NE) monsoon, occurring from mid-October to November.</div><div>4. From December to April, the area experiences minimal to no rainfall. The average annual rainfall is 2930.5 mm, with 67.3% of the total rainfall occurring during the SW monsoon.</div></div> <div>1(Johnkutty. I. & Venugopal, V.K. (1993). Kole Lands of Kerala. Kerala Agriculture University, Thrissur. 1-2.) citation included</div> <div>2. 5 reference is included in the manuscript</div>	

1.(Johnkutty. I. & Venugopal, V.K. (1993). Kole Lands of Kerala. Kerala Agriculture University, Thrissur. 1-2.) citation included

2. 5 reference is included in the manuscript

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)	