

## Review Form 3

Journal Name:	<a href="#">Asian Journal of Agricultural Extension, Economics &amp; Sociology</a>
Manuscript Number:	Ms_AJAEES_129672
Title of the Manuscript:	<b>Advanced Geospatial Modelling of Soil Erosion Using RUSLE and Multi-Source GIS Data Integration: A case study of Kalyani River Watershed Uttar Pradesh</b>
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>
<b>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.</b>	The topic of this manuscript falls within the scope of the journal. In this paper, the RUSLE Model has been applied at the watershed for assessment of soil erosion. The study is useful in planning environmental rehabilitation practices, precisely, under limited resources.	Thank you so much.
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>Yes</b>	Thank you.
<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>	The abstract needs to be revised to include more quantitative and statistical values, as well as the significance of the study.	We have improved the abstract and highlighted in blue colour.
<b>Is the manuscript scientifically, correct? Please write here.</b>	Yes	Thank you.
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	The authors have used outdated references. I recommend incorporating articles from the last 10 years to provide a contemporary review and identify the knowledge gap. Additionally, the introduction should be rewritten for clarity and relevance. The general conclusions derived from the survey of previous literature should be explicitly stated at the end of the literature review. Below are some recent articles to consider <ul style="list-style-type: none"> <li>• <a href="https://www.sciencedirect.com/science/article/abs/pii/S0169555X24004677">https://www.sciencedirect.com/science/article/abs/pii/S0169555X24004677</a></li> <li>• <a href="https://link.springer.com/article/10.1007/s12517-022-09837-2">https://link.springer.com/article/10.1007/s12517-022-09837-2</a></li> <li>• <a href="https://www.researchgate.net/publication/320830907_Soil_Erosion_Risk_Mapping_of_Watersheds_using_RUSLE_Remote_Sensing_and_GIS_A_Review">https://www.researchgate.net/publication/320830907_Soil_Erosion_Risk_Mapping_of_Watersheds_using_RUSLE_Remote_Sensing_and_GIS_A_Review</a></li> <li>• <a href="https://www.researchgate.net/publication/338775938_Micro-watershed_prioritization_using_RUSLE_Remote_Sensing_and_GIS">https://www.researchgate.net/publication/338775938_Micro-watershed_prioritization_using_RUSLE_Remote_Sensing_and_GIS</a></li> </ul>	As per instruction and given link we have improved our references. Thanks for suggestion.

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<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Need to improve.	
<b>Optional/General</b> comments	<ol style="list-style-type: none"> <li>1. The objectives should be more explicitly stated in the Introduction.</li> <li>2. What are the general conclusions obtained from surveying the previous literature? It should be mentioned at the end of the literature review.</li> <li>3. Add high quality figures.</li> <li>4. How applicable are your results to other area? It must be explained.</li> <li>5. Study has utilized satellite-derived information; authors are recommended to support with ground truth data OR have authors done ground-truthing.</li> <li>6. Authors are recommended to support the results by sharing the photographs (with GPS location) of severe and very severe soil erosion sites that fall within the sub-basin.</li> <li>7. There are grammatical errors in the manuscript, I suggest using Grammarly to correct the mistakes.</li> <li>8. Please re-prepare whole the equations in MathType software.</li> <li>9. The Discussion should summarize the manuscript's main findings in the context of the broader scientific literature and address any limitations of the study or results that conflict with other published work.</li> </ol>	We have added some photograph of ground truthing during our field visit where erosion can be easily seen.

### **PART 2:**

	<b><u>Reviewer's comment</u></b>	<b><u>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)</u></b>
<b><u>Are there ethical issues in this manuscript?</u></b>	<b><u>(If yes, Kindly please write down the ethical issues here in details)</u></b>	<b><u>No Ethical issues.</u></b>