

Review Form 3

Journal Name:	Asian Research Journal of Agriculture
Manuscript Number:	Ms_ARJA_123874
Title of the Manuscript:	Water resources planning for Alanda micro watershed using geospatial techniques
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 (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	This manuscript or research is very essential for this scientific community as it helps to improve the water research sector through GIS and Remote sensing technique. Besides this research also supports to different SDG goals.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it is suitable after doing some minor revision	
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.	Yes, abstract is quite good. Please write the whole abstract in 250 words. Besides in your abstract you should include 1 to 2 sentence which is about the methodology of your research.	
Are subsections and structure of the manuscript appropriate?	Yes.	
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.	This manuscript is scientifically robust as in this manuscript highly interpretation of satellite image had occurred to explore groundwater. Besides different statistical analysis also included in this study and some important correlations are found in this research. But there is no validation or accuracy assessment found in this research. Please clarify it.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	<p>Your introduction part and conclusion part is very short. Please elaborate it. Besides you have to add the importance of water and groundwater. Please add data sources section. Besides you added only 10 references which are not good for a scientific article. Please add some relevant references. I am also suggesting some articles. You can read and cite these articles to add the importance of groundwater as well as the importance of GIS, RS in the sector of groundwater exploration in your manuscript which makes your research more informative.</p> <ol style="list-style-type: none"> 1. Rana, M.M.S.P., Hossain, M. A., & Nasher, N. M. R. (2022). Identification of groundwater potential zone using geospatial techniques of agriculture dominated area in Dinajpur district, Bangladesh. Environmental Challenges, 7, 100475. https://doi.org/10.1016/j.envc.2022.100475 2. Uddin, M.G., Rana, M.M.S.P., Diganta, M.T.M., Bamal, A., Sajib, A.M., Abioui, M., Shaibur, M.R., Ashekuzzaman, S.M., Nikoo, M.R., Rahman, A., Moniruzzaman, M., Olberta, A.I. (2024). Enhancing groundwater quality assessment in coastal area: A hybrid modeling approach. Heliyon, 10, e33082. https://doi.org/10.1016/j.heliyon.2024.e33082 3. Rana, M.M.S.P., and Moniruzzaman, M. (2023). Potential Application of GIS and Remote Sensing to Evaluate Suitable Site for Livestock Production in Northwestern Part of Bangladesh. Watershed Ecology and the Environment, 5. https://doi.org/10.1016/j.wsee.2023.07.001 4. Rana, M.M.S.P., Moniruzzaman, M., and Howlader, N.H. (2023). Land Suitability Analysis for Onion Cultivation in Faridpur District Using Geospatial Technique. Jagannath University Journal of Life and Earth Sciences, 8(1), 33-46. https://www.researchgate.net/publication/371781628 5. Rana, M.M.S.P., and Moniruzzaman, M. (2023). A Combined GIS, Remote Sensing and MCDM Approach to Find Potential Location for Rainwater Harvesting Structure in Northwestern Part of Bangladesh. HydroResearch, 6. 	

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	<p>https://doi.org/10.1016/j.hydres.2023.08.001</p> <p>6. Rana, M.M.S.P., Hossain, M.A., Huq, M.E. (2022). Application of Geospatial Techniques to Demarcate Groundwater Availability Zone in Bangladesh. In: Islam, A., Das, P., Ghosh, S., Mukhopadhyay, A., Das Gupta, A., Kumar Singh, A. (eds) Fluvial Systems in the Anthropocene. Springer, Cham. https://doi.org/10.1007/978-3-031-11181-5_23</p>	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	This study greatly impacts both scientific and economic perspectives structure of ms is well-organized. But throughout the manuscript, English must be improved by a native speaker	
Optional/General comments		

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>	

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