

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_124921
Title of the Manuscript:	Estimation of Runoff using SCS-CN Method with RS and GIS Techniques for Kajurli Watershed”
Type of the Article	Original Research 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 <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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript is significant for the scientific community as it addresses the critical issue of runoff estimation in watersheds, which is essential for effective water resource management and environmental conservation. The integration of Remote Sensing (RS) and Geographic Information Systems (GIS) with the SCS-CN method provides a modern approach to hydrological modeling, making it more efficient and less error-prone compared to traditional methods. This study not only contributes to the existing body of knowledge but also offers practical insights for watershed management, which can be beneficial for researchers and practitioners alike.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "Estimation of Runoff using SCS-CN Method with RS and GIS Techniques for Kajurli Watershed" is suitable as it clearly conveys the focus of the study, including the methodology and the specific watershed being analyzed. However, a more concise alternative could be "Runoff Estimation in Kajurli Watershed Using SCS-CN and GIS Techniques."	
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 comprehensive as it outlines the key components of the study, including the methodology, inputs, and findings related to runoff estimation. However, it could benefit from a brief mention of the implications of the findings for watershed management or conservation practices to enhance its relevance.	
Are subsections and structure of the manuscript appropriate?	The structure of the manuscript appears appropriate, with clear subsections that guide the reader through the methodology, results, and discussions. This organization aids in understanding the flow of the research and its findings.	
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.	The manuscript demonstrates scientific robustness and technical soundness through its application of the SCS-CN method, which is widely recognized for runoff simulation. The use of RS and GIS techniques enhances the accuracy of land use and hydrologic group assessments, which are critical for determining curve numbers and estimating runoff. The study's reliance on historical rainfall data from 1990 to 2022 further supports its findings, indicating a thorough approach to data collection and analysis.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references appear to be sufficient; however, it would be beneficial to include more recent studies that have utilized similar methodologies or addressed related topics in watershed management to strengthen the manuscript's foundation.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article are suitable for scholarly communication, with clear and concise expressions of complex ideas.	
Optional/General comments		

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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>	

Reviewer Details:

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