

Review Form 1.7

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| Journal Name: | Journal of Engineering Research and Reports |
| Manuscript Number: | Ms_JERR_105429 |
| Title of the Manuscript: | SOIL EROSION ESTIMATION OF KUNTHIPPUZHA WATERSHED USING GIS AND RUSLE MODEL |
| Type of the Article | Original Research Article |

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy>)

PART 1: Review Comments

| | 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) |
|--|---|---|
| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | <p>Yes the manuscript is quite significant for the scientific community where the soil erosion is serious concern and contributing in natural resources depletion.</p> <p>Yes</p> <p>Yes, abstract is fine</p> <p>Yes</p> <p>Yes</p> <p>Kindly add few more references, related to temporal variations of soil loss under the same factors and the role prioritization and conservation measures. Add the following references:</p> <p>1. Naqvi, H.R., Mallick, J., Devi, L.M. <i>et al.</i> Multi-temporal annual soil loss risk mapping employing Revised Universal Soil Loss Equation (RUSLE) model in Nun Nadi Watershed, Utrakhand (India). <i>Arab J Geosci</i> 6, 4045–4056 (2013). https://doi.org/10.1007/s12517-012-0661-z</p> <p>2. Kumar, R., Naqvi, H.R., Devrani, R. <i>et al.</i> Sediment Yield Assessment, Prioritization and Control Practices in Chambal River Basin Employing SYI Model. <i>J Geol Soc India</i> 98, 1585–1594 (2022). https://doi.org/10.1007/s12594-022-2215-7</p> <p>It is recommended to remove the total eroded amount (soil loss of about 842175 t/y) that shows quite high value compare to classified map.</p> <p>Kindly add the suggested articles that are based on multi-temporal and multi-model base approach for soil erosion quantification.</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | Ya its fine. | |
| <p>Optional/General comments</p> | No | |

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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) |
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| 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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