

**Review Form 3**

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|--------------------------|--|
| Journal Name:            | <b>Journal of Geography, Environment and Earth Science International</b>   |
| Manuscript Number:       | <b>Ms_JGEESI_120447</b>  |
| Title of the Manuscript: | <b>Calibration and validation of semi-distributed model using SUFI-2 algorithm for Shimsha catchment, Karnataka, India</b> |
| Type of the Article      |  |

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**PART 1: Review Comments**

| <b>Compulsory</b> REVISION comments  | <b>Reviewer's comment</b>   | <b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|--|---|---|
| Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.                           | The calibration process utilized the SUFI-2 algorithm integrated into the SWAT-CUP model. The results demonstrated the model's strong predictive capabilities across the entire catchment, achieving calibration values of 0.87, 0.92 and 0.78 for the Nash-Sutcliffe Efficiency (NSE), coefficient of determination (R2) and index of agreement(d) respectively. |   |
| Is the title of the article suitable?<br>(If not please suggest an alternative title)  | yes   |   |
| Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.  | NONE  |   |
| Are subsections and structure of the manuscript appropriate?   | YES   |   |
| Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part. | none  |   |
| Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.  | none  |   |
| Minor REVISION comments  | yes   |   |
| Is language/English quality of the article suitable for scholarly communications?  |   |   |
| <b>Optional/General</b> comments   | The manuscript needs a lot of revision.   |   |

**PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> (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) |
|---|--|--|
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |  |

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**Reviewer Details:**

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|----------------------------------|--|
| Name:                            | <b>Zhangu Wang</b>   |
| Department, University & Country | <b>College of Transportation, Shandong University of Science and Technology, China</b> |