

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_97018
Title of the Manuscript:	Daily sediment yield prediction using hybrid machine learning approach
Type of the 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.journalijecc.com/index.php/IJECC/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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes,</p> <p>2. Yes. Is somewhat represent the research content, but and it is important to indicate the area where the study is carried out (e.g. Daily sediment yield prediction using hybrid machine learning approach Rajnandgaon district, India).</p> <p>3. In the abstract: Avoid using abbreviations before it has been first defined (e.g. MLP, SVM, MLP-GA, and SVM-GA). This rule is generalized for all the manuscript, not just the abstract.</p> <p>4. In the study area description and collection of data section, add a geographical map of your study area, in where you can view the measurement station location. - Place the "selection of input variable" section in the Methods and Materials section instead of the results and discussion section.</p> <p>5. Yes.</p> <p>6. Yes.</p> <p>- There is a similarity between your manuscript and the article published in 2016 by Kumar, D., Pandey, A., Sharma, N., & Flügel, W.-A. " Daily suspended sediment simulation using machine learning approach. CATENA, 138, 77–90. doi:10.1016/j.catena.2015.11.013 ". - Specify the A and B in Fig. 1 description (Flow diagram of hybrid MLP-GA and SVM-GA algorithms). - Indicate which software program is or are used. - You must explain the methodology used for the data collection. Is the measurements are performed by the authors? Or another institution?. Specify that in your manuscript.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>- The manuscript must be edited by an English-speaking native. - There is many words aggregation in the manuscript. You must separate them.</p>	
<p>Optional/General comments</p>	<p>- Authors must provide a suitable version of their manuscript before resending this paper for another revision.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
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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