

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_110351
Title of the Manuscript:	Prediction of soil texture with machine learning models based on the spectral response of soil samples in Visible-Near Infrared (Vis-NIR) region
Type of the Article	Original Research Article

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) Soil is present in the lives of human beings. It participates in the fulfilment of several functions indispensable in the life and survival of living beings. It is therefore necessary to know its properties, including its variations. This manuscript is part of this logic. It is therefore important for the scientific community.</p> <p>2)The title is appropriate, but we can replace prediction with variations to stay within the scientific framework. Then we can rephrase the title and have: "Variations in soil texture using machine learning models based on the spectral response of soil samples in the visible-near-infrared (Vis-NIR) region"</p> <p>3)No, the abstract is not exhaustive; It looks much more like a conclusion and presents the results of the research.</p> <p>4)For an introduction of almost 2 pages, the conclusion is very small. There are subsections that are not necessarily necessary, however, the author can tell us about the types of soil and the different types of soil encountered in the study area.</p> <p>5) The approach used is scientific, so the manuscript is scientifically correct.</p> <p>6)The number of references is acceptable but we can go up to 30 references for more credibility.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Yes	
<p>Optional/General comments</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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