

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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Important as the article utilises both least regression and RF models of VIS-NIR that help to predict soil texture utility.</p> <p>Estimating soil texture using RF and PLSR models</p> <p>The abstract lacks details of soil samples collected</p> <p>Fairly appropriate lacking sections such as soil sample collection and treatment</p> <p>Scientifically correct but lacking comprehensive analysis</p> <p>References are sufficient</p> <p>A flow chart showing the execution of the research should assist readers</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Language is suitable</p>	
<p>Optional/General comments</p>	<p>May also broadened the scope by just highlighting other machine learning approaches in Literature.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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