

## Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_111644
Title of the Manuscript:	Soil moisture modelling in semi-arid Devbhumi Dwarka region by integrating remote sensing and artificial neural networks
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)
<b>Compulsory</b> REVISION comments  1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)  2. Is the title of the article suitable? (If not please suggest an alternative title)  3. Is the abstract of the article comprehensive?  4. Are subsections and structure of the manuscript appropriate?  5. Do you think the manuscript is scientifically correct?  6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.  <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	<p>The Manuscript is important for scientific community in the analysis of various data set to provide insight for application in agriculture</p> <p>Soil moisture modelling using remote sensing and artificial neural networks: A study of Devbhumi Dwarka region.</p> <p>Yes</p> <p>Yes, However, numbering sections and subsections makes it better comprehensible</p> <p>The Manuscript is scientifically correct</p> <p>The references are sufficient and recent</p> <p>The method of soil sample collection as discussed is 5 x 5 km grid on a 3,77,731 ha study area gives about 151 samples, Just curious about the remaining 23 samples allocation</p>	
<b>Minor</b> REVISION comments  1. Is language/English quality of the article suitable for scholarly communications?	Perfect	
<b>Optional/General</b> comments	A multi-temporal (time/ Season based) comparison would be great to provide further insight into the soil moisture content over seasons in order to properly advise farmers on when best to cultivate certain crops, since farmers, the targeted up-takers of the study plant different crops seasonally, since, in the authors words "Soil moisture, crucial for optimal crop water productivity, demands accurate determination" The recommended season- based (temporal) approach could be added to the recommendations (which is conspicuously absent)	

### 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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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Reviewer Details:

Name:	Princewill Odum
Department, University & Country	University of Calabar, Nigeria