

**Review Form 1.7**

Journal Name:	<b>Journal of Geography, Environment and Earth Science International</b>
Manuscript Number:	<b>Ms_JGEESI_111082</b>
Title of the Manuscript:	<b>Pixel-based trends mappings in the Guinea Region of West Africa: Integrating Remote Sensing Data and MODFLOW Modeling for Sustainable Resource Management and Monitoring</b>
Type of the Article	

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**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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. <b>Yes, studying groundwater is very important. Groundwater is used as one of the main sources of drinking and irrigation water in many parts of the world. Some of the importance of studying groundwater are:</b></p> <ul style="list-style-type: none"> <li>- <b>Water supply:</b> The study of underground water helps us to better understand the water resources of this valuable layer and to carry out the necessary planning for the supply of drinking water and irrigation.</li> <li>- <b>Management of water resources:</b> by studying underground water, we can determine the amount of sustainable extraction of these resources so that the gradual proportion of water in the underground water layer is provided.</li> <li>- <b>Protection of water resources:</b> The study of underground water enables us to be informed in time of changes in the quality and quantity of water in the underground water layer and to take the necessary measures to preserve and protect these water resources.</li> <li>- <b>Research and scientific research:</b> The study of groundwater enables us to gain a better understanding of hydrogeological processes, water migration and water dynamics in the underground, which can contribute to the development of scientific research and progress in this field.</li> </ul> <p>Therefore, the study of underground water is of great importance and is necessary for the optimal and sustainable management of water resources.</p> <p>2. <b>Yes, the title of the article is suitable</b></p> <p>3. <b>Yes, the abstract of the article is comprehensive</b></p> <p>4. <b>Yes, the subsections and structure of the manuscript are appropriate</b></p> <p>5. <b>Yes, the manuscript is scientifically correct</b></p> <p>6. <b>Yes, the references are sufficient and recent</b></p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes, language/English quality of the article is suitable</p>	
<p><b>Optional/General</b> comments</p>	<p>More comments are given in the text of the article</p>	

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**PART 2:**

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

**Reviewer Details:**

Name:	<b>Ladan Khedri Gharibvand</b>
Department, University & Country	<b>Islamic Azad University, Iran</b>