

**Review Form 3**

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_126214
Title of the Manuscript:	<b>Assessment of waterlogging and mitigation strategies for the micro watershed in Akola District of Vidarbha region</b>
Type of the Article	<b>Research</b>

**Review Form 3**

**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>The manuscript titled "Assessment of Waterlogging and Mitigation Strategies for the Micro Watershed in Akola District of Vidarbha Region" is significant for the scientific community as it addresses a critical environmental challenge faced by agricultural regions in India. Waterlogging, particularly in micro watersheds, can severely impact crop productivity, soil health, and local ecosystems. By providing a detailed assessment of waterlogging patterns and proposing innovative mitigation strategies, the study contributes valuable insights into sustainable land and water management.</p> <p>I appreciate this work for its practical relevance and potential to guide local authorities and farmers in developing resilient agricultural systems. The manuscript not only enhances our understanding of the hydrological challenges in the Vidarbha region but also offers solutions that can be applied in similar agro-ecological contexts, promoting long-term sustainability and food security.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p><b>Yes</b></p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>Yes, the abstract of the article is comprehensive as it clearly outlines the issue of waterlogging in the Akola District, the study's objectives, and the methodology used to assess and address the problem. It also summarizes the key findings and their implications for sustainable watershed management in the region.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Yes, the subsections and structure of the manuscript are appropriate, as they follow a logical flow from the introduction of the problem to the methodology, results, and discussion. This organization ensures clarity and coherence, making it easy for readers to follow the study's objectives and findings.</p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>This manuscript is scientifically robust and technically sound because it employs well-established methods for assessing waterlogging in micro watersheds, integrating both field data and hydrological analysis. The authors carefully describe their methodology, including data collection, analysis tools, and mitigation strategies, ensuring transparency and reproducibility of the study. Additionally, the manuscript presents a thorough interpretation of the results, connecting the findings to relevant literature and highlighting their broader implications for sustainable watershed management. The proposed mitigation strategies are practical and grounded in scientific principles, making the study both relevant and credible for addressing real-world challenges in water management.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>Yes, the references are sufficient and recent, reflecting a solid engagement with contemporary research and ensuring that the manuscript is well-supported by up-to-date scientific literature. This enhances the credibility and relevance of the study within its field.</p>	

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Minor REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes	
<b>Optional/General</b> comments	The manuscript provides a well-structured and thorough assessment of waterlogging issues in the micro watershed of Akola District, offering valuable insights into sustainable management practices. The methodology is clearly explained and effectively applied, making the findings both reliable and applicable to similar regions. The study's relevance is heightened by its practical focus on mitigation strategies, which are essential for agricultural sustainability and land use planning. Overall, the manuscript contributes significantly to the field of watershed management and environmental sustainability.	

### **PART 2:**

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

### **Reviewer Details:**

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