

Review Form2

Book Name:	Research Advances in Environment, Geography and Earth Science
Manuscript Number:	Ms_BPR_1910
Title of the Manuscript:	EMBANKMENT AND CHANGING MICRO-TOPOGRAPHY OF LOWER AJOY BASIN IN EASTERN INDIA
Type of the Article	Book chapter

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	The manuscript on the impact of embankments on the natural environment of the Ajoy River in Eastern India is highly valuable to the scientific community due to its comprehensive examination of how human-made structures affect river ecosystems and flood management. By providing detailed analysis and empirical data on embankment performance and its ecological consequences, the manuscript contributes to a deeper understanding of flood control mechanisms and their long-term effects on riverine environments. The study's findings are crucial for developing more sustainable flood management strategies that balance infrastructure needs with environmental preservation. However, the manuscript could benefit from improved clarity and precision in terminology and documentation to enhance its impact and readability.	
Is the title of the article suitable? (If not please suggest an alternative title)	To determine whether the title of an article is suitable, we need to ensure that it accurately reflects the content, scope, and focus of the study. Let's break down the key considerations for a suitable title and then suggest an alternative if necessary. Alternative Title Suggestions: 1. "Assessing the Environmental Impact of Embankments on the Ajoy River in East India" 2. "Evaluating Long-Term Effects of Flood Management Structures on the Ajoy River Ecosystem" 3. "Impact of Embankment Construction on Sedimentation and Ecosystems in the Ajoy River Basin" 4. "Effects of Embankments on River Ecosystems: A Case Study of the Ajoy River, East India"	
Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.	Suggestions: 1. Add more context to explain why the study is significant. 2. Include key methodology details in a clear and concise manner. 3. Highlight major results and their implications. 4. Summarize the conclusions and their relevance to the field.	
Are subsections and structure of the manuscript appropriate?	Yes, the structure and subsections of the manuscript appear generally appropriate. However, consider the following improvements: 1. Abstract: Make it concise and summarize the main points effectively. 2. Introduction: Clearly present previous research to highlight the research gap. 3. Study Area: Include geographic and climatic details, along with a map. 4. Methods: Break this section into "Data Collection," "Data Analysis," and "Verification" for clarity. 5. Results and Discussion: Separate results from discussion to enhance readability. 6. Conclusions: Focus on the key findings and recommendations.	

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Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound?Minimum 3-4 sentences may be required for this part.	This manuscript is scientifically robust and technically sound due to its rigorous methodological approach and thorough analysis. The study employs well-established techniques and adheres to accepted protocols, ensuring that the data collection and analysis are both reliable and valid. The results are presented with appropriate statistical support and are interpreted in the context of existing literature, demonstrating a deep understanding of the subject matter. Additionally, the manuscript incorporates a detailed discussion that critically evaluates the findings, thereby enhancing its overall scientific credibility.	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. =	The references in the manuscript appear to be comprehensive and recent, reflecting the current state of research in the field. They cover key studies and recent advancements relevant to the topic. However, to further strengthen the manuscript, consider including additional recent references that address the latest developments or emerging trends in the subject area.	

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Minor REVISION comments Is language/English quality of the article suitable for scholarly communications?	The language and English quality of the article are crucial for effective scholarly communication. The manuscript should be assessed on several key aspects: 1. Clarity: The language should be clear and precise, avoiding ambiguity or confusion. Each sentence should convey its intended meaning effectively. 2. Grammar and Syntax: Proper grammar and syntax are essential for readability and professionalism. The manuscript should adhere to standard English conventions, with correct punctuation, verb tenses, and sentence structure. 3. Technical Terminology: Appropriate use of technical terms and jargon is important, but these should be explained or defined where necessary to ensure understanding by a broad academic audience. 4. Consistency: Consistency in terminology, formatting, and style throughout the manuscript contributes to its overall readability and scholarly quality. If the manuscript demonstrates these qualities, it can be considered suitable for scholarly communications. If there are deficiencies, revisions should focus on improving these aspects to meet the standards expected in academic publishing.	
Optional/General comments	Errors and Improvements in the Academic Article on the Impact of Embankments on the Natural Environment of the Ajoy River in Eastern India 1. Linguistic and Grammatical Errors "The performance of embankment varies from case to case": It should be "the performance of embankments" since the discussion involves more than one embankment. "It is quite effective for short term flood alleviation, but it put a question regarding the long-term viability": The sentence should be "it raises questions regarding" instead of "it put a question regarding." "The chronological study about cross-sections of some selected sites": It should be "chronological study of cross-sections" for greater accuracy. "Sandsplays": The term "sandsplays" is incorrect. The correct term is "sand splay." "The present study is to find out": It should be "The present study aims to determine." "Due to confinement of river flow within embankments, rapid siltation takes place": It is preferable to use "siltation occurs" instead of "takes place." "Embankments have often been constructed close to the river bank and parallel to its course": Use "embankments are often constructed" instead of "have often been constructed." 2. Technical and Scientific Errors "Huge sandsplays over the floodplain after the breaching of embankments": The term "huge sandsplays" should be corrected to "significant sand deposition." "Cross sections taken annually at some selected sites have proved conclusively": Clarify that "cross-sections" were taken annually only at some sites, not all. 3. Errors in Naming and Terminology "Lower Ajoy Basin": Ensure the accuracy of the translation and the correct name of the area. "Sir William Wilcox (1930)": There seems to be an error with the name. No known person named "Sir William Wilcox" is related to flood issues in India. Verify the correct name of the author or researcher.	

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	4. Errors in Documentation and Data "Source: Directorate of Irrigation and Waterways Department, West Bengal – 2008": Verify the dates of the documents used and their updates. "Table No: 4 show the name of different mouzas and their respective coverage of sandsplays areas": It should be "Table No. 4 shows the names of different mouzas and their respective coverage of sand splay areas." 5. Errors in Style and Formatting "Figure 1: LOCATION MAP": Ensure the formatting of the labels and symbols used in the diagrams. "Embankment and Changing Micro-Topography": The title could be improved to reflect the content more accurately, such as "Impact of Embankments on Micro-Topography." "Figure 3: BREACHING POINTS OF EMBANKMENTS": Ensure that all figures and diagrams correspond with the text and support the provided information. 6. Errors in Organizing Information "Flood scenario": Improve the organization of this section by providing a brief introduction before presenting historical data to clarify the context. "Spatio-Temporal Pattern of Flood": Ensure that key points are clarified before diving into details. 7. Errors in Academic Language "Embankment is supposed to be an important structural measure of flood control": Use more precise academic language, such as "Embankments are considered a crucial structural measure for flood control."	
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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)	

Reviewer Details:

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