

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_104019
Title of the Manuscript:	INFLUENCE OF PARENT MATERIAL AND LAND USE TYPES ON SOIL PROPERTIES OF TAMIL NADU
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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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><u>Compulsory</u> REVISION comments</p> <ol style="list-style-type: none"> 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. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Overall, the manuscript titled "Influence of parent material and land use types on soil properties of Tamil Nadu" presents a valuable study on the impact of parent materials and land use on soil properties in Tamil Nadu. The authors have made a significant contribution to knowledge, but there are several issues that need to be addressed to enhance the quality and clarity of the manuscript.</p> <p>Abstract: The abstract provides a concise overview of the study's objectives and findings. However, it requires several improvements to meet academic standards. First, the abstract should be rewritten to expand the content and include around 150 to 250 words. Secondly, essential details such as the longitude and latitude of the study area need to be added to provide geographical context. Furthermore, the abstract should discuss the local and regional geology in more depth, as it plays a significant role in soil formation. Additionally, the depth of the soil sample collection should be revised to 1 to 3 meters for a more comprehensive soil investigation. The abstract should also incorporate the values of soil sample parameters obtained from laboratory testing. Moreover, it should cover the physicochemical parameters of both the soil and parent materials. The conclusion in the abstract should be revised to accurately reflect the research findings.</p> <p>Introduction: The introduction should be strengthened to provide more detailed background information about the research. A comprehensive literature review should be included to contextualize the study within existing knowledge. Ensure that all information used in the introduction is properly referenced to give credit to the original sources.</p> <p>Study Area: The study area description should be expanded to include a more comprehensive discussion of the geology. This should involve incorporating geological maps, topographical maps, and soil maps to provide readers with a clear understanding of the study area's characteristics. Ensure that additional relevant literature on the geology, soil, and other relevant aspects of the study is consulted to support and enrich the study area description.</p> <p>Laboratory Analysis: The section on laboratory analysis should be revised to include a broader range of soil sample analyses. Discuss which additional analyses could be conducted to provide a more comprehensive understanding of the soil properties under investigation.</p> <p>Results and Discussion: The results and discussion section should be organized more systematically. Display the detailed results of each laboratory material testing in tabular form to enhance clarity. Each result finding should be thoroughly discussed, with a focus on relating the different land use types to the soil and parent materials. Ensure that the physicochemical properties are adequately captured and analyzed. It is crucial to provide reference points and recommendations for each result finding to establish the validity of the research.</p> <p>Conclusion: The conclusion needs improvement to effectively reflect the overall research findings and the influence of parent materials. Remove the references from the conclusion section, as citations are not necessary in this part of the manuscript. Instead, focus on summarizing the key findings and their implications for the study area. Ensure that the conclusion aligns with</p>	

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	<p>the objectives stated in the abstract and provides valuable insights for future research or practical applications.</p> <p>Overall, the manuscript presents valuable contributions to knowledge but requires significant revisions to meet academic standards. Addressing the above-listed issues will enhance the manuscript's quality, making it a more comprehensive and credible piece of research.</p>	
Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?		
Optional/General comments		

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

Reviewer Details:

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