

### Review Form 3

Journal Name:	<a href="#">Journal of Advances in Biology &amp; Biotechnology</a>
Manuscript Number:	Ms_JABB_130532
Title of the Manuscript:	Impact of land uses on soil quality and microbial dynamics in eastern Indian Terai region
Type of the Article	

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

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Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

#### **PART 1: Comments**

	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>		
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>		
<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>		
<b>Is the manuscript scientifically, correct? Please write here.</b>		
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>		

**Review Form 3**

<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>	<ul style="list-style-type: none"> <li>• Relevance of Topic: The research addresses a critical area of study, particularly in the Terai region, where land-use patterns significantly influence soil quality and microbial diversity. The study highlights a specific geographical area, providing insights that are valuable for local agricultural and environmental management.</li> <li>• The methodology should clearly describe the criteria used for selecting the study sites and how they represent different land-use types. Provide more details on the soil sampling procedure, such as the number of samples per site, sampling depth and spatial distribution and how seasonal variations were accounted for, if any, as they can significantly influence soil microbial dynamics could also be included. Mention the statistical tests applied to determine the significance of differences between land-use types and their appropriateness for the dataset.</li> <li>• The results are well-documented and provide valuable insights into the relationship between land use and soil quality parameters. Tables and figures are effectively used to present key findings, aiding in data interpretation. The Discussion appropriately links results to land-use practices and their implications on soil microbial dynamics.</li> <li>• The conclusion emphasized the major outcomes of the study, linking land-use practices with soil quality and microbial dynamics. It provides a concise overview, reinforcing the importance of sustainable land management in the Terai region. The conclusion should include more details so that it aligns well with the research objectives and emphasizes the study's contributions to the field.</li> <li>• Replace outdated references with more contemporary studies where applicable. Include more recent studies published within 5-10 years. It should verify that all cited references are included in the reference list and vice versa.</li> <li>• The language of the manuscript is scientifically sound. The paper maintains a professional and scientific tone, appropriate for an academic writing.</li> <li>• Conduct a thorough proofreading or use grammar-checking tools to identify and correct minor errors.</li> </ul> <p>With some minor corrections, I recommend this manuscript for publication.</p>	

**PART 2:**

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

**Reviewer Details:**

<p>Name:</p>	<p><b>Rekha Gupta</b></p>
<p>Department, University &amp; Country</p>	<p><b>Govt. V.Y.T. PG Auto. College, India</b></p>