

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_109510
Title of the Manuscript:	Soil biodiversity: influence of soil management systems
Type of the Article	Original Research Article

Review Form 1.7

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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, the manuscript is important for the scientific community as it delves into the crucial realm of soil biodiversity in coconut-based cropping systems under different management practices. The study provides valuable insights into the influence of organic and integrated nutrient management on various functional groups of soil organisms, such as macrofauna, mesofauna, microfauna and microflora. Understanding the impact of agricultural management practices on soil biodiversity is essential for sustainable agriculture and ecosystem health. The findings contribute to the existing knowledge base, highlighting the significance of organic management in enhancing soil biodiversity. This information can guide future research, inform agricultural practices and promote the conservation of the vital ecological processes occurring in the soil.</p> <p>2. Yes, title is suitable</p> <p>3. Yes, the abstract of the article is comprehensive. It effectively summarizes the key aspects of the study, including the aim, methods, results and conclusion. The abstract provides a clear overview of the research on soil biodiversity in coconut-based cropping systems under organic and integrated nutrient management. It outlines the importance of soil organisms, the impact of different management practices, the methods used for data collection, major findings related to the abundance of various soil organisms and the statistical analyses conducted.</p> <p>4. Yes</p> <p>5. Based on the information provided, the manuscript appears to be scientifically sound. The study employs established scientific methods for soil sampling and biodiversity estimation, including the use of soil cores, hand sorting and various extraction techniques for different soil organisms. The statistical analyses, such as PERMANOVA and SIMPER, are appropriate for evaluating differences in community composition and identifying key species contributing to dissimilarities. The results presented in the manuscript are consistent with existing knowledge in soil science, demonstrating that organic management enhances soil biodiversity compared to integrated nutrient management. The findings align with established relationships between soil management practices, organic matter content and the abundance of specific soil organisms, such as earthworms, nematodes and microflora.</p> <p>6. Yes</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Yes	
<p>Optional/General comments</p>		

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

[Review Form 1.7](#)

Reviewer Details:

Name:	Pramod Kumar Pandey
Department, University & Country	College of Agriculture, Central Agricultural University, India