

### Review Form 3

Journal Name:	<a href="#">International Journal of Plant &amp; Soil Science</a>
Manuscript Number:	Ms_IJPSS_129336
Title of the Manuscript:	Effect of Vermicompost on Soil Properties, Plant Growth and Environmental Sustainability: A Review
Type of the Article	Review Article

#### PART 1: Comments

	Reviewer's comment	Author's Feedback <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>	<input type="checkbox"/> The manuscript highlights the potential of vermicompost as a sustainable alternative to chemical fertilizers, improving soil health, plant growth, and environmental sustainability. <input type="checkbox"/> It provides insights into optimal application rates, addressing issues like nutrient management, microbial diversity, and crop performance. <input type="checkbox"/> By identifying challenges and research gaps, it encourages advancements in sustainable agriculture and eco-friendly waste management practices. <input type="checkbox"/> This work supports the scientific community by promoting strategies to enhance agricultural productivity while mitigating environmental impacts.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<p>The title is clear and informative, but it can be made more concise and engaging. Here are a few alternative suggestions:</p> <ol style="list-style-type: none"> <li>"Vermicompost: Enhancing Soil Health, Plant Growth, and Environmental Sustainability"</li> <li>"Sustainable Agriculture: The Role of Vermicompost in Soil and Plant Health"</li> <li>"Vermicompost as a Tool for Soil Improvement and Sustainable Farming"</li> <li>"Optimizing Vermicompost Use for Soil, Crop, and Environmental Benefits"</li> </ol>	
<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>The abstract is comprehensive, but it can be slightly refined for clarity and completeness. Here are some suggestions:</p> <ol style="list-style-type: none"> <li><b>Inclusion of Key Benefits:</b> Briefly mention specific plant growth benefits, such as improved root development, biomass, or stress tolerance, to give a fuller picture of its agricultural impact.</li> <li><b>Challenges and Limitations:</b> Add a sentence acknowledging the challenges associated with vermicomposting, such as variability in quality or large-scale application issues, to balance the discussion.</li> <li><b>Future Research:</b> While future directions are mentioned, explicitly highlighting the importance of interdisciplinary approaches and standardized application methods would make the abstract more forward-looking.</li> <li><b>Streamlining Content:</b> Consider condensing redundant phrases like "enhance agricultural productivity and promote environmental sustainability," as these themes are recurring.</li> </ol>	
<b>Is the manuscript scientifically, correct? Please write here.</b>	The manuscript is scientifically accurate, presenting well-supported insights into the effects of vermicompost on soil, plant growth, and environmental sustainability. However, a thorough review of the cited references is recommended to ensure complete reliability.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	The references cited in the manuscript appear substantial and include a mix of recent and foundational studies. However, to enhance the review, incorporating more recent studies from the last 2–3 years, particularly on advancements in vermicompost applications and long-term field trials, would strengthen its relevance.	

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<b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes, the language of the article is clear and suitable for scholarly communication. However, minor improvements in sentence structure, conciseness, and grammar could enhance readability and precision.	
<b>Optional/General</b> comments	<input type="checkbox"/> The manuscript provides a thorough review of vermicomposting's benefits for soil health, plant growth, and environmental sustainability, making it valuable for sustainable agriculture research. <input type="checkbox"/> To improve, consider adding recent studies, incorporating visual aids like tables or figures, and expanding on vermicompost's role in climate change mitigation. <input type="checkbox"/> A minor language refinement and clearer connection between sustainability and vermicomposting could enhance readability and impact.  Based on the content provided, no competing interest issues are evident in the manuscript. Based on the provided information, no explicit ethical issues are apparent in the manuscript.	

### **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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