

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_104133</b>
Title of the Manuscript:	<b>Response of cauliflower (Brassica oleraceae var botrytis L.) to soil application with olive mill wastewater, vinasse and potassium humate and its reflection on growth, curds yield, dry seed yield and Enzyme activity</b>
Type of the 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.journalijpss.com/index.php/IJPSS/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><b>Compulsory</b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p>	<p><b>1. The manuscript under consideration holds significant importance for the scientific community due to its comprehensive exploration of the effects of organic compounds such as olive mill wastewater, vinasse, and potassium humate on the growth, yield, and soil characteristics of cauliflower plants.</b></p> <p><b>The study offers valuable insights into sustainable agricultural practices by investigating the potential of these organic materials in enhancing plant growth, curd yield, seed production, and soil enzyme activities.</b></p> <p><b>The manuscript's meticulous analysis and detailed findings contribute to the understanding of organic fertilization strategies, making it a valuable resource for researchers, practitioners, and policymakers engaged in agricultural and environmental sciences.</b></p> <p><b>2. The title of the article "Effect of Olive Mill Wastewater, Vinasse, and Potassium Humate on Growth, Yield, and Soil Characteristics of Cauliflower Plants" is suitable as it accurately reflects the main focus and content of the study.</b></p> <p><b>However, if you're looking for an alternative title, you might consider something like "Enhancing Cauliflower Growth, Yield, and Soil Quality through Organic Amendments: Olive Mill Wastewater, Vinasse, and Potassium Humate Effects" to highlight the study's emphasis on improving both plant outcomes and soil attributes through organic amendments.</b></p> <p><b>3. It seems the abstract is comprehensive as it covers the main objectives, methods, key findings, and conclusions of the study.</b></p> <p><b>It provides an overview of the experimental setup, the factors tested (OMW, Vinasse, and Potassium Humate), the specific parameters evaluated (plant growth, curd yield, seed quality, soil characteristics, and enzymatic activity), And yet the outcomes of the study, including the positive impacts of the treatments on different aspects of cauliflower cultivation.</b></p> <p><b>However, if there are specific elements it would be to highlight or to clarify in the abstract, it can consider doing so to make it even more effective in conveying the significance and findings of the study.</b></p> <p><b>4. The subsections and structure of the manuscript seem to be appropriate. The manuscript appears to be organized in a logical manner, with sections addressing various aspects of the study, such as plant growth, curd yield parameters, dry seed yield, seed quality, chemical composition, soil enzymatic activity, and organic matter content.</b></p> <p><b>Each subsection appears to cover specific objectives, methods, results, and discussions related to the respective topic. This organization helps readers navigate through the different components of the study and understand how they are interconnected.</b></p> <p><b>However, it's important to ensure that each subsection is adequately developed and that the flow of information is coherent and seamless throughout the manuscript.</b></p>	



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<p><b>Minor REVISION</b> comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>1. The language and English quality of the article seem to be generally suitable for scholarly communications. However, there are a few instances where sentence structure and clarity could be improved.</p> <p>It's important to ensure that the writing is clear, concise, and accurately conveys the intended meaning. Proofreading for grammar, punctuation, and syntax errors is also recommended to enhance the readability and professionalism of the manuscript.</p>	
<p><b>Optional/General</b> comments</p>	<p>Overall, the manuscript appears to present valuable research findings related to the impact of organic compounds on cauliflower growth and soil characteristics. The study's experimental design and data analysis are well-described, and the results offer insights into the potential benefits of using olive mill wastewater, vinasse, and potassium humate as soil amendments. The manuscript addresses important aspects of plant physiology, soil chemistry, and agricultural sustainability.</p> <p>However, to enhance the manuscript further, consider the following suggestions:</p> <ol style="list-style-type: none"> <li><b>Clarity and Organization:</b> While the manuscript provides detailed information, some sections could be streamlined for clarity. It would be helpful to have clearer headings and subheadings for each section to guide readers through the content more easily.</li> <li><b>Conciseness:</b> In certain parts of the manuscript, the descriptions could be more concise. Try to express ideas succinctly without sacrificing important information.</li> <li><b>Visuals:</b> The addition of figures and tables in appropriate sections could visually represent data trends and make the manuscript more engaging.</li> <li><b>Discussion:</b> The discussion section could be expanded to provide a more comprehensive interpretation of the results in the context of existing literature. This could involve comparing the findings with other studies, discussing potential mechanisms behind the observed effects, and identifying areas for future research.</li> <li><b>Citations:</b> Ensure that all references cited in the text are included in the references section, and vice versa.</li> <li><b>Formatting and Citations:</b> Make sure that the manuscript adheres to the journal's specific formatting and citation guidelines. Check for consistency in citation styles and ensure that the references are accurate and complete.</li> <li><b>Abstract Improvement:</b> While the abstract is generally comprehensive, it could be more succinct while still conveying all the important findings.</li> <li><b>Inclusion of Limitations:</b> If there were any limitations or challenges faced during the study, consider including a section that discusses these factors and their potential impact on the results.</li> <li><b>Significance and Implications:</b> Highlight the significance of the study's findings in terms of potential applications in agriculture, sustainability, and environmental impact.</li> </ol> <p>Remember that the suggestions provided are meant to help enhance the manuscript further. The manuscript already contains valuable research, and with some refinements, it has the potential to contribute effectively to the scientific literature.</p>	

**PART 2:**

	<p><b>Reviewer's comment</b></p>	<p><b>Author's comment</b> <i>(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)</i></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>	

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**Reviewer Details:**

Name:	<b>Sadek Abbass</b>
Department, University & Country	<b>Iraq</b>