

## Review Form 1.7

Journal Name:	Asian Research Journal of Agriculture
Manuscript Number:	Ms_ARJA_118186
Title of the Manuscript:	Understanding Soil Quality Dynamics for Improving Rice Yield in Farmer's Field
Type of the Article	Original Research Article

### 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>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. The peer-reviewed article "Understanding Soil Quality Dynamics for Improving Rice Yield in Farmer's Field" is interesting, relevant and contains some novelty. I had no problem going through this article, which resulted in a study that is quite important to add to the existing knowledge on this subject. More importantly, it will certainly guide further research in this field to improve rice productivity in Kaithal District, Haryana. However, I recommend making some changes before accepting and publishing.</p> <p>2. The title of the article is appropriate.</p> <p>4. The structure of the manuscript is appropriate and contains the necessary sections.</p> <p>5. The manuscript is scientifically correct.</p> <p>6. The list of used literary sources is sufficient and contains new references.</p> <p>7. In research materials and methods, a large number of tested options (farm fields) should be substantiated and described in more detail. In addition to the name of the farm, coordinates, it is necessary to specify the type of soil and clearly the variety or hybrid of rice. From the obtained research results, it is clear that the yield of grain fluctuated within large limits. In fact, the specified indicators had a great influence on her.</p> <p>8. It is necessary to provide more detailed information about the biohumus and biofertilizers used in the research (characteristics, manufacturer, chemical composition, active substance).</p> <p>9. According to the International System of Units (SI), rice yield (grain and straw) should be given in tons per hectare (t/ha) rather than quintals per hectare (q/ha).</p> <p>10. The article partially presents the results of mathematical and statistical processing of the obtained data. It is necessary to indicate which methods and programs were used in the calculation.</p> <p>11. The analysis of the obtained research results needs expansion and addition. The obtained results must be compared with similar results of other studies on the topic of the article.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The language of the article is suitable for scientific communications.</p>	
<p><b>Optional/General</b> comments</p>	<p>The article presents the results of research obtained during one year (Kharif 2023), i.e. one-year research results obtained.</p>	

**Review Form 1.7**

**PART 2:**

	<b>Reviewer's comment</b>	<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>
<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:**

Name:	<b>Olifir Yurii</b>
Department, University & Country	<b>Institute of Agriculture of Carpathian region National Academy of Agrarian Sciences, Ukraine</b>