Review Form 1.7

Journal Name:	**International Journal of Plant & Soil Science**
Manuscript Number:	**Ms_IJPSS_104640**
Title of the Manuscript:	**Enhancing Yield Potential of Rice using Nutrients and Plant Growth Regulators**
Type of the Article	**Original Research 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:

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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)*
Compulsory REVISION comments 1. **Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) 2. **Is the title of the article suitable?** (If not please suggest an alternative title) 3. **Is the abstract of the article comprehensive?** 4. **Are subsections and structure of the manuscript appropriate?** 5. **Do you think the manuscript is scientifically correct?** 6. **Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**1- The manuscript presents a valuable contribution to the scientific community, particularly in the field of agricultural research and crop productivity enhancement. With rice being a vital global staple food crop, and considering the imperative to increase agricultural yield to meet the demands of a growing population, this study's findings hold significant importance. The manuscript addresses a crucial concern by investigating the impact of various foliar nutrients and growth regulators on the growth, physiology, biochemical processes, and yield attributes of rice. The experimental design, including the use of two different rice varieties and multiple treatment approaches, enhances the robustness of the study's conclusions.** **2- The title of the manuscript, "Enhancing Yield Potential of Rice using Nutrients and Plant Growth Regulators," is appropriate and effectively conveys the main focus of the study. It clearly indicates that the research revolves around improving rice yield through the application of nutrients and plant growth regulators. The title is concise, informative, and relevant to the subject matter of the manuscript. It accurately reflects the content and purpose of the study, making it suitable for attracting the attention of readers and researchers interested in crop productivity enhancement and agricultural science.** **3- Yes, the abstract provided is comprehensive. It effectively summarizes the key elements of the study, including the research objective, methodology, experimental design, treatments, and most importantly, the significant findings. The abstract clearly outlines the improvements observed in various growth, physiological, biochemical, and yield attributes of the rice variety ADT 57 due to the foliar application of "Rice booster 2" (T5), along with a notable 15% increase in yield compared to the control. The abstract also contextualizes the study within the broader need to enhance crop productivity to meet the demands of a growing global population. Overall, it provides a concise yet informative overview of the study, allowing readers to grasp the main objectives, methods, and outcomes at a glance.** **4- Yes, the subsections and structure of the manuscript are appropriate. The manuscript is organized into sections that effectively present the background, objectives, methodology, results, and conclusion of the study. The subsections under each main section are well-defined and provide a clear progression of information, making it easy for readers to follow the flow of the research.** **The sections and subsections of the manuscript are as follows:** **Title: "Enhancing Yield Potential of Rice using Nutrients and Plant Growth Regulators"** **Abstract: Summarizes the key points of the study, including the research background, objectives, methodology, and major findings.** **Introduction: Provides context and rationale for the study, highlighting the importance of rice as a staple food crop, the need for increased productivity, and the role of nutrients and growth hormones in crop growth.** **Materials and Methods: Describes the experimental setup, including location, design, treatments, and statistical analysis. This section outlines the methodology used to conduct the study.** **Results and Discussion: Divided into several subsections that present and discuss the findings of the study comprehensively. Each subsection focuses on specific parameters, such as growth attributes, physiological parameters, biochemical parameters, and yield components. This organization allows for a detailed analysis and interpretation of the results.** **Conclusion: Summarizes the main findings of the study and presents the overall conclusion drawn from the results. It provides insights into the effectiveness of foliar application of nutrients and growth regulators in enhancing the yield potential of**	

	rice.The manuscript's structure and organization effectively guide the reader through the research process, from the introduction of the study's context to the presentation and discussion of results, and finally to the conclusion. This clear and logical structure enhances the readability and comprehension of the manuscript. **5- The references provided cover a wide range of studies related to the effects of various plant growth regulators, nutrients, and other factors on the growth and yield of rice. If you're looking for additional references, you might consider including some more recent studies (published after 2021) to ensure that you're capturing the latest developments in the field. You could search for research articles and reviews that focus on advancements in rice cultivation, plant growth regulators, nutrient management, and other relevant topics. When reviewing and selecting references, it's important to consider the credibility of the sources, the research methodologies used, and the significance of the findings in the context of your own study.**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	The provided excerpt appears to be an abstract and a section of a research article focused on enhancing the yield potential of rice using nutrients and plant growth regulators. The content is written in a formal and technical manner, with clear headings and subheadings to organize the information. The language used is appropriate for scholarly communications, as it follows the style and structure commonly found in scientific research articles. The abstract introduces the research topic, objectives, and key findings, while subsequent sections describe the methodology and present the results and conclusions. However, please note that a full assessment of the language quality and suitability for scholarly communication would require a more comprehensive review of the entire article, including the introduction, literature review, discussion, references, and overall coherence of the content. Additionally, proper citation of sources and adherence to academic writing conventions are essential aspects of scholarly communication,	
Optional/General comments		

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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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