

Review Form 3

| | |
|--------------------------|--|
| Journal Name: | Archives of Current Research International |
| Manuscript Number: | Ms_ACRI_123831 |
| Title of the Manuscript: | Evaluation of Nano-Zn, Inorganic, and Organic Nutrient Management Strategies and Their Effects on Growth Indices in Kharif Maize (Zea mays L.) |
| Type of the Article | . |

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

Review Form 3

PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|---|---|--|
| <p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p> | <p><i>This manuscript is important for the scientific community because it explores innovative approaches in nutrient management, particularly the use of Nano-Zn in agriculture, which has the potential to enhance crop productivity while reducing environmental impacts. By integrating organic and inorganic practices, the study contributes to the growing body of research on sustainable farming techniques, which are critical in addressing global food security challenges. I like this manuscript because it provides a clear, data-driven analysis of advanced nutrient strategies, offering practical solutions for improving maize yields. However, a more detailed discussion on the long-term environmental impacts of Nano-Zn would further strengthen the paper.</i></p> | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p><i>The title of the article, "Evaluation of Nano-Zn Inorganic and Organic Nutrient Management Strategies and Their Effects on Growth Indices in Kharif Maize (Zea mays L.)," is descriptive and accurately reflects the content of the manuscript</i></p> | |
| <p>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.</p> | <p><i>The abstract provides a clear overview of the study, including the objective, methodology, and key findings, which makes it relatively comprehensive. However, a few adjustments could enhance its clarity and effectiveness: clarify the main conclusion, include statistical results, highlight the environmental impact, streamline technical terms.</i></p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p><i>The subsections and structure of the manuscript are generally appropriate for a scientific research paper. It follows a logical flow from introduction to materials and methods, results, and discussion, which is standard for experimental research articles.</i></p> | |
| <p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p> | <p><i>This manuscript is scientifically robust and technically sound because it follows a well-established experimental design (split-plot) with clear replication and control measures, ensuring the reliability of the results. The study includes comprehensive data collection across multiple growth stages, using relevant growth indices such as CGR, RGR, and AGR, which are appropriate for evaluating the impact of nutrient management strategies. The statistical analysis, including comparisons between treatments, further supports the validity of the findings. Additionally, the integration of both organic and inorganic nutrient practices, along with the use of Nano-Zn, demonstrates a balanced and innovative approach to sustainable agricultural research.</i></p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =</p> | <p><i>The references cited in the manuscript are generally sufficient, and they cover both foundational and recent works relevant to nutrient management, maize production, and sustainable agriculture. However, many of the references are slightly dated, with only a few from the last five years. Including more recent research, especially studies on nano-fertilizers and sustainable agriculture, would strengthen the manuscript's relevance. Suggestions for improvement: update with recent literature, more references from the past 3-5 years on the use of nano-technology in agriculture and its environmental impact should be included.</i></p> | |

Review Form 3

| | | |
|--|---|--|
| Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications? | <i>The language and English quality of the article are generally suitable for scholarly communication. The manuscript is mostly clear, with technical terms and scientific concepts presented in an understandable manner. However, there are a few areas where minor improvements could enhance readability and flow. Suggestions for Improvement: simplify complex sentences, avoid repetition, etc.</i> | |
| Optional/General comments | <i>The manuscript addresses a relevant and timely topic by evaluating advanced nutrient management strategies, including Nano-Zn, which is an emerging field in sustainable agriculture. The article is a research paper focused on agricultural science, specifically evaluating the impact of different nutrient management strategies on Kharif maize growth. It presents empirical data from field experiments, analyzed through various growth indices, and concludes with findings that support specific nutrient management practices. The study uses a split-plot design and includes detailed statistical analysis, indicating that it falls under the category of experimental research</i> | |

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? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

| | |
|----------------------------------|--|
| Name: | Avni Behluli |
| Department, University & Country | University of Prishtina, Kosova |