Review Form 3

Journal Name:	**Journal of Advances in Biology & Biotechnology**
Manuscript Number:	**Ms_JABB_126171**
Title of the Manuscript:	**Optimizing growth and zinc bioavailability in rice (Oryza sativa L.) cultivars through agronomic biofortification**
Type of the Article	**Original Research 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:

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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)*
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.	The present work will contribute to the promotion of zinc bio-fortification in rice and addressing the issues of micronutrient malnutrition. It provides practical approach towards enhancing zinc content of different rice varieties, and increasing its bioavailability through particular foliar application levels. Phytate ratio lowering emphasis of the study is advantageous not only because it increases the nutritional potential of rice, but also due to its significance to both crop science and public health.	
Is the title of the article suitable? **(If not please suggest an alternative title)**	YES ITS REALLY SUITABLE	
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.	YES THE ABSTRACT IS TRULY COMPREHENSIVE	
Are subsections and structure of the manuscript appropriate?	YES	
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.	The research presented in the manuscript is truly scientific as it employs a well-organised field experiment which has a randomized complete block design that increases the validity of the results. The experiment also features different levels of $ZnSO_4$ foliar application in rice varieties, which makes easy examination of the effect of treatment on plant growth and zinc uptake. It uses relevant and precise measures that assess the level of zinc bio-availability in rice such as Plant height, Tiller count, Dry matter, and Phytate: Zn molar ratios. Such methodological rigor and rich dataset help in ascertaining the technical validity and reproducibility of researched outcomes.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. **-**	YES	
Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	YES IT IS APPROPRIATE	
Optional/General comments	MORE SUCH RESEARCH WORKS ARE NEEDED IN FUTURE TO ENCOURAGE AGRICULTURAL RESEARCH SECTOR	

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:

Name:	**Koyel Mukherjee**
Department, University & Country	**Seacom Skills University, India**