

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_130351
Title of the Manuscript:	Evaluation of oxidative stress indices in two rice (<i>Oryza sativa</i> L.) varieties subjected to post-emergence application of bensulfuron-methyl and bispyribac-sodium herbicides at different times
Type of the Article	Research

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: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript holds significant importance for the scientific community as it addresses the pressing issue of oxidative stress in agricultural crops, specifically rice – a critical staple food for much of the world. By evaluating the effects of bensulfuron-methyl and bispyribac-sodium herbicides on different rice varieties, the study provides valuable insights into the biochemical responses and stress resilience of these crops. The findings can inform agricultural practices and herbicide usage guidelines, aiding in the development of more resistant rice strains and potentially reducing crop loss. Hence, the research contributes to enhancing food security and sustainable farming methods.	
Is the title of the article suitable? (If not please suggest an alternative title)	I suggest a bit of streamlining for clarity and brevity purpose which provides a clear understanding of the study focus while being more succinct.	
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.	Your abstract is quite comprehensive and well-detailed. It covers the key elements of your study, including the objective, methodology, main findings, and conclusion. However, here are a few minor tweaks and additions to make it even more impactful. Briefly mentioning the significance of oxidative stress in agriculture and why studying rice varieties is essential can add value for readers less familiar with the topic. Highlighting the practical implications of your findings, such as how they can inform better agricultural practices or herbicide management, would strengthen the abstract's impact.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears to be scientifically solid based on the shared details, but, Double-check for consistency across results and discussion sections, particularly regarding specific antioxidants like malondialdehyde.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	In your Discussion , it's noted that " <i>the 2 weeks after sowing (2 WAS) application time resulted in the highest levels of malondialdehyde (MDA)</i> ", indicating increased oxidative stress due to earlier herbicide application. In the Results section, you indicate that " <i>the lower rates of malondialdehyde (MD) in hoe-weeded and 200 g/ha bispyribac-sodium treatments suggest the lowest stress at the first and second sampling</i> ". These statements appear contradictory since the Results suggest lower MD levels in hoe-weeded and 200 g/ha bispyribac-sodium treatments, while the Discussion mentions higher MD levels for the 2 WAS application. And, early application of herbicides was recommended, can you explain why in respect to MD?	

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>	

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