

Review Form 3

Journal Name:	Asian Journal of Soil Science and Plant Nutrition
Manuscript Number:	Ms_AJSSPN_125910
Title of the Manuscript:	Enzymatic Biosensors: Advanced Tools for Soil and Plant Health Monitoring
Type of the Article	Research Article

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)
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.	<ul style="list-style-type: none"> ✚ Announce and improve the Enzymatic biosensors are crucial for advancing our understanding of soil and plant health to the Community with crop yield optimization process. ✚ Their integration into agricultural practices has the potential to enhance sustainability, increase food security, Water Quality Assessment, Pathogen detection and promote environmental stewardship, making them essential tools for modern agriculture. ✚ They also has the tendency in Soil Nutrient Monitoring: Enzymatic biosensors can assess levels of key nutrients (like nitrogen, phosphorus, and potassium) 	
Is the title of the article suitable? (If not please suggest an alternative title)	Differentiate research gap with the title https://doi.org/10.1016/j.plana.2024.100079 No, any suggestion regarding title it is well developed and also describes the body except explaining research gap between similar titles.	
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.	<ol style="list-style-type: none"> 1. Should be <i>Italics font</i> 2. Final Data's results must be included in Abstract as result and Discussion 	
Are subsections and structure of the manuscript appropriate?	All Subsection/subtitles are well written and defined	
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>A) Enzymatic Biosensors B)Advanced Tools for Soil C) Monitoring Plant Health</p> <ul style="list-style-type: none"> ✚ Enzymatic biosensors are innovative methods for monitoring plant and soil health using bio catalytic processes. ✚ Methodological rigorous validation techniques are crucial for data reliability. ✚ The study integrates concepts from agricultural technology, environmental science, and biochemistry, demonstrating its multidisciplinary significance. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	Yes, Well Written, arranged and Consistent References The Issue is Order of Citation of References in Paper Body The standard citation Method is ascending (1, 2, 3,...) Improve such a way Paragraph one of your introduction must be cited with ref. No. 1	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	<ol style="list-style-type: none"> 1. Edit some Double full stop 2. Apply Coma and Full stop where needed 3. Immobilized—immobilized 4. Optimised.....Revise the whole paper and Improve same issues! 	
Optional/General comments	<ol style="list-style-type: none"> 1. Better if latest designed table are used 2. The Chemical Structure, Image of target enzyme/protein is needed please incorporate at least one 3. Apply Page Number to all pages 4. Rewrite or Clarify the Paragraph under point 11.2 Pesticide detection 	

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PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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