

Review Form 3

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_130809
Title of the Manuscript:	Root System Architecture and Drought Tolerance in Rice: Exploring Genetic Mechanisms and Genomic Approaches for Enhancing RSA
Type of the Article	Review

PART 1: Comments

	Reviewer’s comment	Author’s Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 provides a comprehensive understanding of the role of root system architecture (RSA) in enhancing drought tolerance in rice, a critical crop for global food security. By elucidating the molecular mechanisms, key genes, and metabolites involved in RSA regulation, it bridges the gap between fundamental research and practical applications in crop improvement. Furthermore, the integration of advanced genomic and phenotyping approaches offers valuable insights into sustainable agricultural practices, paving the way for developing resilient rice varieties to combat climate change. This work contributes to the broader goal of ensuring food security in drought-prone regions.	Thanks
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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	Thanks
Is the manuscript scientifically, correct? Please write here.	The manuscript appears to be scientifically correct, as it is well-structured and supported by extensive references to relevant studies in the field. It thoroughly reviews the role of root system architecture (RSA) in drought tolerance in rice, discussing key molecular mechanisms, genes, and metabolites that contribute to this trait.	Thanks
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		
Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article are generally suitable for scholarly communication. The manuscript uses clear and concise academic language, appropriate technical terminology, and a logical flow of ideas. However, some sentences could benefit from minor revisions to improve readability and grammatical precision. Addressing any inconsistencies in sentence structure, avoiding repetition, and ensuring proper punctuation would further enhance the overall quality of the text.	We had revised the updated manuscript accordingly and tried to make it more concise.
Optional/General comments		

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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>	