

Review Form 3

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_128909
Title of the Manuscript:	A REVIEW ON ADVANCED APPLICATIONS OF THE AQUACROP MODEL FOR OPTIMIZED FIELD MANAGEMENT AND CLIMATE CHANGE IMPACT ASSESSMENT
Type of the Article	

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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 <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 highlights the advanced applications of the AquaCrop model, emphasizing its role in optimizing field management and assessing climate change impacts. By bridging theoretical aspects with practical field applications, the manuscript offers valuable insights for researchers, policymakers, and practitioners working toward sustainable agricultural practices. Its comprehensive evaluation of AquaCrop's capabilities in various climatic and edaphic conditions makes it a critical contribution to the discourse on food security and climate adaptation strategies.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title is appropriate and captures the essence of the manuscript. However, if a more concise version is preferred, consider: "Advanced Applications of AquaCrop for Field Management and Climate Impact Assessment."	
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.	The abstract effectively summarizes the manuscript but could benefit from highlighting the aspects of AquaCrop applications. Consider adding examples of crops or regions where AquaCrop has demonstrated significant impact.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears scientifically robust, addressing AquaCrop's theoretical framework, practical applications, and limitations.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are extensive and recent. However, incorporating additional studies, such as recent 2023/2024 publications on AquaCrop's use in emerging economies, could further strengthen the manuscript.	
Is the language/English quality of the article suitable for scholarly communications?	This text would be better if it was shorter and clearer. While it uses academic language well, it needs some editing to remove repeated ideas and make the meaning more direct.	
Optional/General comments	Consider integrating more graphical representations or case studies to make the discussion more engaging and accessible to readers.	

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:

Name:	Praveenkumar P
Department, University & Country	Anna University, India