

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_116527
Title of the Manuscript:	Impact of drip irrigation on crop growth, yield, water productivity, and weed dynamics – A review
Type of the Article	Review Article

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PART 1: Review Comments

	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>
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> This manuscript holds significant importance for the scientific community, particularly in the field of agriculture and water management. It provides a comprehensive review of the impact of drip irrigation on crop growth, yield, water productivity, and weed dynamics. Given the global challenges of water scarcity and the need for sustainable agricultural practices, this study offers valuable insights that can inform policymakers, researchers, and practitioners in addressing these pressing issues. The title of the article, "Impact of drip irrigation on crop growth, yield, water productivity, and weed dynamics – A review," effectively captures the scope and focus of the manuscript. It succinctly communicates the subject matter and purpose of the review. Therefore, the title is suitable and does not require revision. The abstract of the article provides a comprehensive overview of the study objectives, methods, and key findings. It effectively summarizes the main points discussed in the manuscript, including the benefits of drip irrigation and its impact on various aspects of crop cultivation. Thus, the abstract is deemed to be comprehensive and does not require revision. The manuscript's subsections and overall structure are well-organized and logically presented. Each section flows smoothly into the next, facilitating readability and comprehension. The division of the manuscript into sections such as Introduction, Development of Drip Irrigation, Schematic Layout of Drip Irrigation, Literature Review, and Conclusion is appropriate and aids in conveying the information effectively. Therefore, no revisions are needed in this aspect. The manuscript appears to be scientifically accurate, with claims supported by relevant literature and empirical evidence. The authors have cited reputable sources to substantiate their arguments and conclusions. However, it is recommended to ensure the accuracy of statistical data and research findings cited throughout the manuscript to maintain scientific integrity. The references provided in the manuscript are sufficient and include a mix of recent studies and foundational literature relevant to the topic. However, it is advisable to ensure that the references cited are the most up-to-date and relevant to the subject matter. Additionally, if there are any notable studies or publications that could enhance the depth of discussion, the authors may consider including them as supplementary references. Overall, the manuscript presents a thorough and insightful review of the impact of drip irrigation on crop cultivation, addressing key aspects such as growth, yield, water productivity, and weed management. With minor revisions to ensure scientific accuracy and perhaps some updates to references, this manuscript has the potential to make a valuable contribution to the scientific literature. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>Yes, the language and English quality of the article are suitable for scholarly communications. The manuscript demonstrates a proficient command of English, with clear and coherent writing throughout. The terminology used is appropriate for the scientific context, and the text is structured in a manner conducive to scholarly communication. Overall, the language quality meets the standards expected for academic publications, facilitating effective communication of the research findings to the scholarly community.</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> The manuscript effectively communicates complex concepts related to drip irrigation and its impact on crop cultivation. However, to enhance clarity, authors may consider simplifying overly technical language or providing additional explanations where necessary, especially for readers who may not be familiar with certain terms or concepts. The inclusion of figures and tables aids in understanding the concepts discussed in the 	

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	<p>manuscript. Authors may further improve the visual presentation by ensuring clarity and proper labeling of all figures and tables. Additionally, providing captions that succinctly describe the content of each figure/table would enhance reader comprehension.</p> <ol style="list-style-type: none"> 3. While the manuscript includes an adequate number of references, authors should ensure consistency in citation style throughout the text. Double-checking citation formatting against the journal's guidelines or a standardized style guide (e.g., APA, MLA) can help maintain uniformity and professionalism in the manuscript. 4. Given the broad scope of the topic, authors may consider briefly discussing any limitations or constraints of the review, such as geographical focus, crop types analyzed, or specific drip irrigation technologies covered. Acknowledging these limitations can provide context for readers and guide future research directions. 5. Including a section on potential areas for future research could enrich the manuscript. Authors may briefly outline unanswered questions or emerging trends in drip irrigation research, encouraging scholars to explore new avenues for investigation within this field. 6. The manuscript holds promise for making a meaningful contribution to the scholarly literature on drip irrigation and agricultural sustainability. With minor revisions and attention to the aforementioned aspects, the manuscript has the potential to enhance understanding and drive innovation in water-efficient farming practices. 	
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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>	

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