

**ReviewForm3**

JournalName:	<a href="#">InternationalJournalof EnvironmentandClimateChange</a>
ManuscriptNumber:	Ms_IJECC_121997
TitleoftheManuscript:	Agronomicinterventionsforalleviatingstressandoptimizingproductivityoffieldcrops:Areview
TypeoftheArticle	ReviewArticle

**PART1: ReviewComments**

<b>Compulsory</b> 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)
<p><b>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.</b></p>	<p>The manuscript is crucial from scientific perspective because agronomic interventions directly address the challenges of abiotic and biotic stresses that reduce crop yields. Drought, is regarded as one of the most significant limiting factors that affects crop productivity. Therefore, by optimizing water use efficiency, improving soil moisture retention, and selecting drought-resistant crop varieties, crop yields could be upscaled even under water-scarce conditions. This is vital for ensuring food security in regions prone to drought, especially as climate change increases the frequency and severity of drought events. Additionally, these practices support sustainable agriculture by reducing the reliance on irrigation and conserving water resources.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>Considering the body of the manuscript, I would suggest to use the word 'Drought/Water stress' instead of simply 'stress' as the main focus here is drought</p> <p>Agronomic interventions for alleviating <b>DROUGHT/WATER</b> stress and optimizing productivity of field crops: A review</p>	
<p><b>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.</b></p> <p>-</p>	<p>Yes, it is.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Yes. Could be better by adding a few substantial figures (with proper acknowledgements), tables or graphs</p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically</b></p>	<p>As mentioned in the first column, this article is scientifically robust and technically sound as it comprehensively addresses the mechanisms by which drought stress impacts crop physiology and yield. The article also critically examines the effectiveness of these interventions in real-world scenarios, ensuring its recommendations are both practical and scientifically validated. Additionally, it highlights the</p>	

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<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>-</p>	<p>In my opinion, references for this manuscript are little more than required considering the actual length of the article. An ideal review article should have 100-150 references provided the size of the article is robust so that it justifies the same. However, in the said article, out of 22 pages (in word format), the actual content occupies only 9, and the remaining 13 pages cover the references. My suggestion here is to enhance the contents so that it decently justifies the number of references.</p> <p>As for the second point, the author added a couple of recent references only in the later part of the manuscript (for salicylic acid and its effects on crop production). I would suggest the author(s) to add some more recent references (2020 onwards) in the former sections as well (for mulching, tillage, mineral application and so on.)</p>	
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Minor REVISION comments		
Isthe language/English quality of the articles suitable for scholarly communications?	Yes	
Optional/General comments	1) Suggest to add relevant figure, tables, graphs (with proper acknowledgements) in support of your manuscript 2) Addition of recent references (particularly in the former part of the manuscript) 3) You may consider to add one additional section (PROSPECTS) prior to conclusion where you can mention about biological/biotechnological interventions for instance, use of drought resistant transgenic variety, gene editing technique like CRISPR-Cas9 system to mitigate drought stress. And provide your feedback on these interventions. Although these interventions are not practically a part of agronomical practices but will still help you in strengthening the quality of the manuscript and amplifying the content.	

### 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>	

### Reviewer Details:

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