

**Review Form 1.7**

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_108864</b>
Title of the Manuscript:	<b>Enhancing Growth Analysis Parameters of Marigold (cv. 'Bidhan-2') through Hydrogels, Calcium Ammonium Nitrate (CAN), and Sodium Nitroprusside (SNP) During Hot Summer Conditions in Rayalaseema Region of Andhra Pradesh</b>
Type of the Article	

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<p><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>The following are some of the drawbacks of the paper "Enhancing Growth Analysis Parameters of Marigold (cv. 'Bidhan-2') through Hydrogels, Calcium Ammonium Nitrate (CAN), and Sodium Nitroprusside (SNP) During Hot Summer Conditions in Rayalaseema Region of Andhra Pradesh":</p> <ul style="list-style-type: none"> <li>The study was conducted in a single location over a two-year period, which limits the generalizability of the findings. It is important to conduct similar studies in other regions with different climatic conditions to validate the results.</li> <li>The study only investigated a limited number of growth analysis parameters. It would be beneficial to assess the impact of hydrogels, CAN, and SNP on other important plant growth parameters, such as flowering time, yield, and quality.</li> <li>The study did not investigate the long-term effects of these treatments on marigold plants. It is important to determine whether the use of hydrogels, CAN, and SNP has any negative consequences for plant health or productivity over time.</li> <li>The study did not consider the potential interactions between hydrogels, CAN, and SNP with other agricultural practices, such as irrigation and pest management. It would be helpful to investigate how these treatments can be best integrated into existing cropping systems to achieve optimal results.</li> </ul> <p>Overall, the paper provides valuable insights into the potential of hydrogels, CAN, and SNP to enhance marigold growth under summer conditions. However, the authors should address the above drawbacks in future studies to strengthen the evidence base and provide more practical recommendations for farmers.</p> <p>Overall the article is suitable for publication.</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	Yes	
<p><b>Optional/General</b> comments</p>		

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**PART 2:**

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

**Reviewer Details:**

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