

## Review Form 1.7

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_99841
Title of the Manuscript:	THERMAL INDICES REQUIREMENT OF KHARIF GROUNDNUT VARIETIES UNDER DIFFERENT SOWING WINDOW IN WESTERN MAHARASHTRA
Type of the Article	Original Research Article

### **General guideline for Peer Review process:**

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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy> )

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### PART 1: Review Comments

	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)
<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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p><b>Yes, the knowledge of phenology and the influence of thermal indices to different crop varieties is relevant for agronomic purposes</b></p> <p><b>No</b>, The title should include the scientific name of the plant and the Country. <i>Kharif</i> is a local word, rethink whether it is important to keep. For example: Thermal indices requirement of groundnut (<i>Arachis hypogaea</i> L.) varieties under different sowing windows in Western Maharashtra (India).</p> <p><b>The abstract is confuse, the acronyms of the varieties and the sowing periods should be maintained</b></p> <p><b>Yes</b> <b>Yes, but the discussion of the results was not given/is incomplete. The results (that are somehow interesting) were not submitted to statistical analysis (or the analysis was done but not included in the text)</b></p> <p>No, the most recent reference is from 2013. More recent references should be included, as said before A rapid internet search allows finding dozens of recent publications regarding peanut and thermal indices, for example:</p> <p>DASH, D., &amp; CHIMMAD, V. Effect of temperature regimes on morpho-phenological, thermal indices and yield of groundnut (<i>Arachis hypogaea</i> L.) genotypes.</p> <p>Sarkar, A., Ghosh, A., Tarafdar, P. K., &amp; De, S. K. (2019). Assessing the Water and Thermal Use Efficiencies of Groundnut (<i>Arachis hypogaea</i>) Grown under Different Strength of Jute Agro Textile Mulch in India. <i>Current Journal of Applied Science and Technology</i>, 37(4), 1-10.</p> <p>Patel, J., Khandwal, D., Choudhary, B., Ardeshana, D., Jha, R. K., Tanna, B., ... &amp; Siddique, K. H. (2022). Differential physio-biochemical and metabolic responses of peanut (<i>Arachis hypogaea</i> L.) under multiple abiotic stress conditions. <i>International Journal of Molecular Sciences</i>, 23(2), 660.</p> <p>Asha, K. V., Kiran, B. O., &amp; VP, C. (2019). Impact of heat stress on yield and yield components of groundnut (<i>Arachis hypogaea</i> L.) genotypes under varied dates of sowing. <i>Environment and Ecology</i>, 37(2), 634-639.</p> <p>Yadav, S. T., &amp; Ombase, K. C. (2021). Effcet of Sowing Dates on Dry Matter Production and Yield of Kharif Groundnut (<i>Arachis hypogaea</i> L.). <i>Journal of Agriculture Research and Technology</i>, 46(3), 268.</p> <p>Personally, I prefer the presentation of crop phenology data with graphics rather than tables, because it facilitates the understanding of the information. The different thermal indices presented in the paper had similar responses from the 4 peanut varieties, thus the paper is a repetition of the same text, with minimal changes (the numbers of the thermal indices).</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>	<p>Suggestions for English improvement were included in the reviewed paper. Some paragraphs along the text were repeated.</p>	
<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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