

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_98507
Title of the Manuscript:	Assessing the Potential Impacts of Climate Change Using Long-Term Historical Weather Data on Evapotranspiration (ET) and Groundwater Contribution to ET of Wheat and Cotton Crops Determined Through Lysimeters
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 <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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Considering the impact of climate change on evapotranspiration and crop yields, the manuscript is of great importance to the scientific community. 2. It should be: "Potential impacts of climate change using long-term historical climate data on evapotranspiration (et) and groundwater contribution to wheat and cotton crop". 3. Completely 4. They are appropriate. 5. It's scientifically correct. 6. They are sufficient and recent. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	The English of the article is adequate.	
<p>Optional/General comments</p>	The work presented is relevant when considering the potential impacts of climate change on evapotranspiration (ET) of crops (wheat and cotton), the contribution of groundwater to meeting ET and productivity in the allocation of water resources, particularly in areas where shallow depths of the water table are expanding into larger areas. As a novelty, the manuscript considers the function of the water table, which is important in irrigation planning for wheat and cotton crops, as it is a source of subsurface irrigation, allowing to reduce the water requirements for irrigation. Statistical analyses were performed very well using the Statistix Software Package Version 8.1. It is proven that any change in climatic parameters due to global warming or climate change will also affect the evapotranspiration (ET) of the crop; Furthermore, the study demonstrates that irrigation allocation should be increased for wheat and decreased for cotton, particularly in the shallow water table areas under the sultanpur soil type. We recommend not using as keywords: Climate change and evapotranspiration, since they appear in the title of the work.	

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:

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