

Review Form 1.7

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_117121
Title of the Manuscript:	A GIS-based Approach to Spatially Explicit Mean Areal Rainfall Estimation
Type of the Article	Original research paper

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><u>Compulsory</u> 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.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1 - Certainly, precipitation and its changes are one of the main issues related to climate change all over the planet. Correct estimation of areas without rainfall data will lead to better and more accurate planning.</p> <p>2 - The title of the manuscript is appropriate.</p> <p>3 - Is the role and contribution of topography (height and direction) considered in rainfall changes? If the answer is yes; How accurate was the topography model? The manuscript does not have keywords. Is the average rainfall of 30 years estimated? Why is the annual rainfall around 85 mm? Why is the difference between the interpolation methods in estimating the amount of rainfall about 1 mm?</p> <p>4 - Yes, subsections and structure of the manuscript appropriate.</p> <p>5 Is the role and contribution of topography (height and direction) been taken into account for estimating precipitation? The strengths and weaknesses of the used interpolation methods should be mentioned. The reason for low rainfall in the study area should be briefly explained.</p> <p>6 - New sources, especially related to interpolation methods, have been used less.</p>	
<p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, the written language of the manuscript is appropriate.</p>	
<p><u>Optional/General</u> comments</p>	<ul style="list-style-type: none"> - The topographical map of the studied area should be included in the manuscript. - Is the role and contribution of topography (height and direction) considered in rainfall changes? - The strengths and weaknesses of the used interpolation methods should be mentioned. 	

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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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