

Review Form 1.7

Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	Ms_JAERI_112016
Title of the Manuscript:	Reference evapotranspiration evaluation using solar radiation estimated by ANN and empirical models
Type of the Article	

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>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.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1. The submitted manuscript has significance for the scientific community: An assessment of transpiration, which is important for modeling the process of water balance for irrigated areas, is presented. An estimation method with good results is shown - correlation coefficients of more than 0.95. An evidence base based on many experiments is provided.</p> <p>2. The title of the article reflects the research problem.</p> <p>3. The abstract of the article is comprehensive, contains the content and conclusions of the work</p> <p>4. The subsections and structure of the manuscript correspond to the presentation of research work for scientific journals. The graphs show the main results. It is necessary to note a small spacing of points below the axial line of connection between the parameters, which should be noted by the author in further research.</p> <p>5. The manuscript is scientifically correct. Contains a justified statement of the research method and results</p> <p>6. Links are quite recent. It should be noted that references to works from past years are important, as older works have stood the test of time.</p> <p>Additional comments: The work is worthy of publication because it validates the scientific method for estimating transpiration based on solar radiation, which has important implications for various regions. Transpiration is a critical component of the water balance for calculating crop water use.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>In my opinion, the English language corresponds to the international level of knowledge of the English language. Enough is presented to provide an understanding of international communication for various international scientific groups. Generally accepted terminology is used.</p>	
<p>Optional/General comments</p>	<p>The results of the work are presented at a good evidentiary level. Evidence is provided based on high correlation coefficients (more than 0.96), which confirms the correctness of the results and conclusions.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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