

## Review Form 1.7

Journal Name:	<b>Journal of Experimental Agriculture International</b>
Manuscript Number:	<b>Ms_JEAI_118511</b>
Title of the Manuscript:	<b>In-Situ Measurement of Unsaturated Hydraulic Conductivity Function By A NEW POINT Source Field Dripper Method (NPSFDM)</b>
Type of the 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.journaljeai.com/index.php/JEAI/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>	<ol style="list-style-type: none"> <li>The manuscript presents an interesting study about a new point source field dripper method (PSFDM) for measuring unsaturated hydraulic conductivity function (Kh). The contents are well-structured and definitions clear, but there are opportunities for improvement to enhance the readability and appeal of the document.</li> <li>The Title of the article is suitable.</li> <li>The abstract provides a clearly written overview of the contents of the manuscript. It successfully touches on the significance of the study, its core aim, the key processes involved, and the major findings. However, it might be more beneficial to elaborate on key terminology like 'Kh', 'Ks', and 'PSFDM' for readers unfamiliar with these terms. The abstract could be framed in a more 'problem-solution' format, by giving a brief context/problem statement, then presenting how the study contributes to solving this problem.</li> <li>The subsections and structure is good but can be improved such as use of mathematical equations and terminology without detailed explanations may not appeal to a broader audience. If the manuscript is intended for a specialist audience, this may not be an issue. Another point of consideration would be to revisit some of the technical jargon used in the paper and define these terms more clearly or replace them with simpler terms where possible. Lastly, proofreading for grammar, punctuation, and syntax is advised. There are several typographical errors and awkward sentences that interrupt the flow of reading and understanding.</li> <li>The manuscript provides a valuable contribution to the field of irrigation and soil study and presents a new method for measuring unsaturated hydraulic conductivity.</li> <li>The references contains several cited sources, demonstrating a robust understanding of the existing research but more recent references is preferable (within the last 5 years).</li> </ol>	
<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>Yes, however, proofreading for grammar, punctuation, and syntax is advised.</p>	
<p><b>Optional/General</b> comments</p>	<p>Overall, this manuscript provides a valuable contribution to the field of irrigation and soil study and presents a new method for measuring unsaturated hydraulic conductivity. However, improving the format, structure, and readability will make the manuscript more accessible, particularly to a broader audience beyond specialized researchers. Moreover, providing more context and explanation for why the findings are important and their implications will deepen the manuscript's impact.</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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