

**Review Form 1.7**

Journal Name:	<a href="#">Journal of Scientific Research and Reports.</a>
Manuscript Number:	<b>Ms_ JSRR_113539</b>
Title of the Manuscript:	<b>Calibration and validation of Soil moisture sensor System for gravity operated drip irrigation for Okra crop</b>
Type of the Article	

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><u>Compulsory</u></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 is significant as it offers a practical solution for water conservation in agriculture through a novel soil moisture sensor system. Its relevance extends to improving crop yields and promoting sustainable farming practices, making it a valuable contribution to both the scientific and agricultural communities.</li> <li>The title "Calibration and Validation of Soil Moisture Sensor System for Gravity Operated Drip Irrigation for Okra Crop" is suitable as it accurately reflects the manuscript's content and focus. An alternative title could be "Optimizing Water Use for Okra Cultivation: A Soil Moisture Sensor-Based Approach," which succinctly captures the essence and application of the research.</li> <li>The abstract is comprehensive, summarizing the research's background, objectives, methodology, and key findings effectively. It clearly states the problem, the proposed solution, and the outcome, providing a succinct overview of the study's significance and contributions to water-efficient agricultural practices.</li> <li>Based on the provided excerpts, the manuscript appears to be scientifically correct, presenting a methodologically sound approach to calibrating and validating a soil moisture sensor system for drip irrigation. The research methodology, data analysis, and conclusions drawn align with established scientific principles and practices in agricultural engineering.</li> <li>Based on the provided excerpts, the manuscript appears to be scientifically correct, presenting a methodologically sound approach to calibrating and validating a soil moisture sensor system for drip irrigation. The research methodology, data analysis, and conclusions drawn align with established scientific principles and practices in agricultural engineering.</li> <li>The references are generally sufficient, covering foundational and recent studies. Including the latest research from the past 1-2 years could further strengthen the manuscript.</li> </ol>	
<p><b><u>Minor</u></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>The language quality of the article appears suitable for scholarly communication, effectively conveying the research in clear and precise English.</p>	
<p><b><u>Optional/General</u></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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