

Review Form 3

Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	Ms_JAERI_127821
Title of the Manuscript:	IOT Based Soil Nutrients Management System For Smart Agriculture
Type of the Article	Original Research Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript emphasizes the critical role of soil fertility in determining agricultural productivity by evaluating the soil's ability to support plant growth. It highlights the integration of soil sensors and Arduino technology to assess nutrient levels, particularly nitrogen, phosphorus, and potassium (NPK), which are essential for crop health.	
Is the title of the article suitable? (If not please suggest an alternative title)	Can have other title "Smart Agriculture: IoT-Driven Soil Nutrient Management System"	

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<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract is informative and covers the key aspects of the article, but it could be improved for greater clarity and focus. While it provides a good overview of the importance of soil fertility, the use of IoT and sensors, and the advantages of the proposed system, it could be more concise and structured. Here's an analysis:</p> <p>Strengths:</p> <ol style="list-style-type: none"> 1. Comprehensive Coverage: It discusses the importance of soil fertility, the role of key nutrients (NPK), and the use of IoT-based technology for soil analysis. 2. Practical Implications: Highlights benefits such as efficiency, cost reduction, and environmental protection. 3. Technical Features: Mentions the system's affordability, portability, and precision. <p>Areas for Improvement:</p> <ol style="list-style-type: none"> 1. Conciseness: The abstract is slightly lengthy and includes some repetitive information. 2. Structure: It could benefit from clearer separation between the problem, solution, and advantages. 3. Specificity: While it mentions IoT technology and sensors, it could briefly explain how these technologies function in the system. 	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>The manuscript appears scientifically accurate in its discussion of soil fertility and the use of IoT and sensor technology for soil nutrient analysis. Here's a breakdown of the key points and their scientific validity. 1.Role of Soil Fertility, 2. Importance of NPK Nutrients, 3) Use of Sensors and Arduino Technology.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Some more recent (5-6) papers has to be added</p>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Ok</p>	
<p>Optional/General comments</p>	<p>Add experimental results.</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>	

Reviewer Details:

<p>Name:</p>	<p>Revanasiddappa Bandi</p>
<p>Department, University & Country</p>	<p>BNM Institute of Technology, India</p>