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| Book Name: | **Intelligent IoT Systems: From Research to Real-World Solutions** |
| Manuscript Number: | **Ms\_BPR\_6282.6** |
| Title of the Manuscript:  | **Agrosense: IoT Based Smart Vegetable Gardening System**  |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **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 explores the integration of IoT and AI in smart agriculture, focusing on making greenhouse farming more autonomous and efficient through sensors, actuators, and AI-based plant disease detection. The study is timely as it supports sustainable agriculture, resource optimization, and early disease diagnosis. Overall, the work holds strong potential to impact both academic research and real-world agricultural practices. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, the title is suitable as it clearly reflects the content and scope of the study. |  |
| 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. | The abstract is generally comprehensive and provides a good overview of the problem, methodology, and results. However, it could be improved by briefly mentioning the limitations of the system and by summarizing more clearly compared to prior IoT greenhouse solutions. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yes, the manuscript appears scientifically correct. The methodology, system architecture, and results are consistent and well explained. The experimental setup is appropriate, and the achieved results are convincing. Still, more details on the deep learning model architecture and training dataset would make the scientific validity stronger. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | Most references are recent (2020–2024) and relevant to IoT and greenhouse monitoring. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, the language is generally clear and understandable. |  |
| Optional/General comments | * Figures should be labeled more clearly, with higher resolution and self-explanatory captions.
* The discussion section could include more comparison with existing IoT–AI solutions to highlight the uniqueness of the system.
* Future work may explore scalability across larger farms and integration with cloud/edge platforms for big data analytics.
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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *No ethical issues were identified.* |  |

**Reviewer details:**

**Suprava Ranjan Laha, India**