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| Journal Name: | **Archives of Current Research International** |
| Manuscript Number: | **Ms\_ACRI\_121811** |
| Title of the Manuscript: | **Applications of hyperspectral remote sensing, GIS and artificial intelligence in agriculture** |
| Type of the Article | **Review Article** |

**PART 1: Review Comments**

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| **Compulsory** REVISION comments | **Reviewer’s comment** | **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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.** | Introduction  • Introduction: You don’t need to add methodology porting or consultation part in this section. Please specify it with the methodology portion of the paper.  • Please specify having in this section of different paragraphs.  • introduction does not clearly state the research hypotheses or objectives, it may be viewed as incomplete or lacking in clear direction.  • The introduction may include too much general background information that is not directly relevant to the research question, or it may repeat information that is already well-known in the field.  • The introduction might be criticized for a lack of logical flow, making it difficult to follow the progression from background information to the statement of the research problem.  Literature review  • The literature review might be criticized for not covering relevant studies or key works in the field.  • The section might be poorly organized, making it difficult to follow the progression of ideas or see how different studies relate to each other. A lack of clear thematic or chronological structure can hinder readability and coherence.  • The review might fail to identify important gaps in the existing research or overlook significant controversies and debates within the field. This can weaken the justification for the current study.  • Inconsistencies in citation style or formatting errors can detract from the professionalism of the literature review and make it harder to follow.  Methodology  • Firstly, there is no proper heading/section of methodology. Please make proper heading of this section and also  • The review may point out that the chosen methods are not well-justified or explained. There might be a lack of rationale for why specific techniques or tools were selected over others, leaving the reader questioning the appropriateness of the methods.  • The section might be criticized for unclear or ambiguous procedures. For example, instructions for implementing experimental protocols or administering surveys might be vague or poorly explained.  • The section might neglect to acknowledge potential limitations or sources of error in the methodology, which can impact the study's findings and overall credibility.  • You use different other points that affect it so please design a related figure that defines the relation of that thing to relate in this paper.  Result  Please design a comparative table with other method and also define in which circumstance your approach is much better than others. | Noted and effected  Revised  Effected revision |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | It is a suitable title for this article (Applications of hyperspectral remote sensing using GIS, and artificial  intelligence in agriculture). |  |

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| **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.** | | • Ensure the abstract covers essential sections—Background/Objective, Methods, Results, and  Conclusions. This helps in maintaining a logical flow.  • The abstract is either too lengthy or too brief. Exclude details and Focus on the essence of the research.  • Clearly state the research problem or objective. What gap does the study address?  • Incorporate suggestions and make adjustments as necessary. | | |  |
| **Are subsections and structure of the manuscript appropriate?** | | Here need to divide it into subsections for a structured approach. | | |  |
| **Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required**  **for this part.** | | This review highlights the significant advancements in these technologies and their applications in precision agriculture (PA), demonstrating their potential to enhance agricultural productivity and sustainability. It also focuses on other natural resource management. | | |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | | Here need to update comparisons with other methods and justify your method is better than others. | | |  |
| Minor REVISION comments  **Is the language/English quality of the article suitable for scholarly communications?** | | Please review the suggestions and formatting given in the above section. Some Equations are not centered on the format. So, make them in canter. | | |  |
| **Optional/General** comments | | This paper is designed on an appropriate problem statement but some revisions occur which need to be updated. | | |  |
| **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)* | |
| **Are there ethical issues in this manuscript?** | | *(If yes, Kindly please write down the ethical issues here in details)* |  | |