

Review Form 1.7

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_96349 |
| Title of the Manuscript: | A REVIEW ON RECENT ADVANCES IN AGRICULTURE AND AGROFORESTRY WITH GPS AND GIS |
| Type of the Article | Mini-review 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.journalijpss.com/index.php/IJPSS/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) |
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| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | <p>1. The manuscript summarises some of the GIS-RS-GPS applications on precision farming that could be useful for scientists who are interested in precision agriculture</p> <p>2. Yes, but I would suggest to avoid 'recent' as the authors discuss applications that are on these field many years.</p> <p>3. Yes</p> <p>4. Yes</p> <p>5. Yes</p> <p>6. I believe that crucial references are missing in this manuscript. Paragraphs 2 and 4 have only 3 and 2 references where it should be more detailed discussion with examples on applications in precision farming (this is supposed to be the main scope of this manuscript) Additionally in Conclusions paragraph the authors mention about geospatial technology (multispectral, hyperspectral, microwave, thermal) without discussing it in the main paragraphs of the manuscript with detailed examples and citations.</p> <p>I would seriously suggest to the authors to revise the manuscript and add more examples of precision farming with GIS and Remote Sensing techniques since this was their initial purpose of this study.</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>The language quality of this article needs improvement.</p> <ul style="list-style-type: none"> • In paragraph 1. Introduction the authors use the pronoun "he" which must be avoided and rephrased, and use the term "precision farming" too many times. This must be rephrased as well. • In Paragraph 2 GIS in Agriculture, they mention "using satellite-based earth observation data... in this study", but they don't mention which study they are referring to. In the same paragraph they mention "may be able to help us comprehend and manage them more effectively. to calculate north China's agriculture output." The sentence doesn't make any sense, they use a full stop wrong. The use again the pronoun "he" which must be avoided and rephrased. • In Paragraph 4 they mention "...while reducing the uncertainty." Which uncertainty? They have to explain what they write. Later on, they write "...as well as for development". What development? The sentence "...there are potential to adopt ..." must be rephrased. | |
| <p>Optional/General comments</p> | <p>The authors have not used the abbreviations correctly. They use some abbreviations which the explain the first time they mention them like GIS but they analyse the initials again later on the article which is not necessary.</p> <p>On the other hand, they use many abbreviations that they don't analyse at all like RS, SDSS, RVI and NDVI, ET max and TD, VGI, MAFF, MTT, EPIC, UNFCCC.</p> <p>You have to analyse an abbreviation the FIRST time you mention the term, and from later on you should use it without explain it again.</p> <p>The authors must revise and analyse the abbreviations the first time they use them on the text.</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) |
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| <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> | |

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