

[Review Form2](#)

Book Name:	Research Advances in Environment, Geography and Earth Science
Manuscript Number:	Ms_BPR_2644
Title of the Manuscript:	Rapid Diagnosis of Nitrogen Nutrition Status in Summer Maize over Its Life Cycle by a Multi-Index Synergy Model Using Ground Hyperspectral and UAV Multispectral Sensor Data
Type of the Article	Book chapter

PART 1: Review Comments

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.	This manuscript advances precision agriculture by optimizing UAV-based multispectral models for nitrogen monitoring in maize. It addresses a critical need for effective nutrient management and offers valuable insights for both researchers and practitioners.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes/ optional: Growth Stage-Specific Multispectral Models for Accurate Nitrogen Monitoring in Maize Using UAV Imagery.	
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 comprehensive but should include key findings, such as R ² values and the impact of growth-stage-specific models. Emphasizing the study's novelty would strengthen it.	
Are subsections and structure of the manuscript appropriate?	The manuscript's structure is logical and well-organized, supporting clear communication of the study's objectives and results.	
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.	The manuscript's structure is logical and well-organized, supporting clear communication of the study's objectives and results.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	The manuscript is scientifically robust, with a well-designed methodology and thorough statistical analysis. The use of UAV multispectral data and model optimization across growth stages enhances its credibility. The references are adequate.	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	Minor improvements in grammar and clarity would enhance readability.	

PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes. Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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