

[Review Form 2](#)

Book Name:	BASIC CONCEPTS OF REMOTE SENSING & GIS
Manuscript Number:	Ms_BPR_3744
Title of the Manuscript:	BASIC CONCEPTS OF REMOTE SENSING & GIS
Type of the Article	Complete Book

PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	<p>The manuscript "Basic Concepts of Remote Sensing & GIS" holds significant importance for the scientific community as it lays a solid foundation for understanding how we can observe and analyze the Earth's surface using satellite imagery and geospatial technologies. This knowledge is crucial for a myriad of applications, from environmental monitoring and disaster management to urban planning and agriculture.</p> <p>Personally, I like this book for its comprehensive approach and the clarity, making it good for the beginners.</p>	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "Basic Concepts of Remote Sensing & GIS" is quite suitable as it clearly reflects the fundamental nature of the content, making it easily recognizable and relevant for those interested in these subjects. However, if you are looking to enhance the title's appeal or specificity, you might consider an alternative like "Foundations and Applications of Remote Sensing & GIS" or "Introduction to Remote Sensing & GIS: Principles and Practices." These options provide a bit more detail and could attract a broader audience by highlighting both the foundational and practical aspects of the topic. But in that case few case study chapter need to add in the book.	
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.	Each chapter contain small abstract, which is relevant to start. But as this is a book, therefore rather than abstract, the word introduction will be more appropriate.	
Are subsections and structure of the manuscript appropriate?	Yes	
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 book "Basic Concepts of Remote Sensing & GIS" demonstrates scientific correctness through its chapter. But the book lacks well-validated theories and incorporation of the latest advancements in the field, in order to ensure the content up-to-date and accurate. The technical robustness is absent in its detailed explanations of remote sensing technologies and geographic information systems, which are not supported by empirical data and case studies. This thorough missing in each chapter not only reinforces the reliability of the information but also provides practical insights for researchers and professionals working in related disciplines.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	<p>The reference are pretty old, mostly in the year 2012,2018, 1978, 2000 etc.</p> <p>To ensure the references are both sufficient and recent, it's important to include the latest research and developments in the field of remote sensing and GIS.</p> <p>Here are a few books that cover the basics of remote sensing and GIS:</p> <ol style="list-style-type: none"> 1. "Basic Concepts of Remote Sensing and GIS" by Shivam Pandey (2019). This book provides a comprehensive introduction to the principles and applications of remote sensing and GIS, making it suitable for students and professionals in the geosciences field1. 2. "Remote Sensing and GIS for Ecologists: Using Open Source Software" by Martin Wegmann, Benjamin Leutner, and Stefan Dech (2019). This book focuses on applications in ecology using open-source software, offering a practical approach to learning remote sensing and GIS. 3. "Remote Sensing and GIS 3E" by Basudeb Bhatta (2020). This book covers a wide range of topics, including 	

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	<p>optical, thermal, and microwave remote sensing, digital image processing, and geospatial analysis, providing a thorough understanding of both remote sensing and GIS.</p> <p>Here are a few recent references that could be considered for inclusion as case study:</p> <ol style="list-style-type: none"> 1. El-Hadidy, S. M., & Morsy, S. M. (2022). "Expected spatio-temporal variation of groundwater deficit by integrating groundwater modeling, remote sensing, and GIS techniques." <i>The Egyptian Journal of Remote Sensing and Space Science</i>, 25(1), 97-111. 2. Patra, P. K., Behera, D., & Goswami, S. (2022). "Relative Shannon's Entropy Approach for Quantifying Urban Growth Using Remote Sensing and GIS: A Case Study of Cuttack City, Odisha, India." <i>Journal of the Indian Society of Remote Sensing</i>, 10.1007/s12524-022-01493-z. 3. Funtua, A. I., et al. (2022). "Review of Conceptual Models of Estimating the Spatio-Temporal Variations of Water Depth Using Remote Sensing and GIS for the Management of Dams and Reservoirs." <i>Geospatial Modeling for Environmental Management</i>, 10.1201/9781003147107-6. 4. Naikoo, M. A., & Ahanger, M. A. (2022). "Land use/land cover change detection and validation of SWAT model on VISHOW sub-basin using remote sensing and GIS techniques." <i>International Journal of Hydrology Science and Technology</i>, 13(1), 43. <p>These references are recent and cover a range of applications and methodologies in remote sensing and GIS, which can enhance the books' relevance and scientific robustness.</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p><u>Optional/General</u> comments</p>	<p>The book is good for the beginners. To defy its strength and weakness</p> <p>Strengths:</p> <ol style="list-style-type: none"> 1. Comprehensive Coverage: The book provides a thorough introduction to the principles of remote sensing and GIS, making it suitable for beginners and students. 2. Clear Explanations: Concepts are explained in a clear and concise manner, which helps readers grasp the material quickly. 3. Illustrations and Diagrams: The use of illustrations and diagrams helps in visualizing complex concepts, making the content more accessible and engaging. <p>Weaknesses:</p> <ol style="list-style-type: none"> 4. Depth of Advanced Topics: While it covers the basics well, the book might not delve deeply enough into advanced topics for more experienced readers or professionals. 5. Practical Applications: It lacks practical examples and case studies that demonstrate the real-world applications of remote sensing and GIS for enhancing the reader's understanding. 	

PART 2:

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

Reviewer Details:

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