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| Book Name: | [**Current Research on Geography, Earth Science and Environment**](https://bookstore.bookpi.org/product/current-research-on-geography-earth-science-and-environment-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_6228** |
| Title of the Manuscript: | **The study on Bio-Mass: A Great Source of Non-fossil Energy and its Contribution in Reducing Greenhouse Gases** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**International Journal of Environment and Climate Change, 15(7): 216-2025**

**DOI: 10.9734/ijecc/2025/v15i74926**

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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 presents a significant contribution to the scientific community by providing a high-resolution, spatially explicit estimation of biomass carbon stocks in India using advanced remote sensing and machine learning techniques. The study's findings are crucial for informing climate change mitigation strategies, sustainable bioenergy planning, and national carbon accounting efforts. Furthermore, the projected data for 2025 serves as a valuable benchmark for policymakers and researchers working on carbon sequestration and renewable energy development in tropical and subtropical regions. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | No, the title is not appropriate for a scientific article. While it captures the general theme, it is too broad and informal, and lacks the precision required for academic publication. The title does not include the phrase "Great Source," which is avoided in academic titles. Furthermore, the title omits essential elements that define the specific contribution of your study, such as methodology (e.g., remote sensing, machine learning), geographic focus (India), and timescale (forecasts 2010–2025).  A more appropriate title is precise, descriptive, and includes key words. Based on the content of the manuscript, here are alternative suggestion:  **Estimation and Prediction of Biomass Carbon Stocks in India Using Remote Sensing: Implications for Carbon Emissions and Bioenergy Potential** |  |
| 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 current summary is rich in quantitative data and results, but it suffers from some shortcomings that affect its clarity and comprehensiveness. Here are some suggestions for improvement:   * Add a brief sentence summarizing the statistical methodology or modeling used. * Explain the reason for discrepancies or adopt a single, well-documented result. * Add a line summarizing the practical significance of the study (e.g., contributing to India's renewable energy goals). |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically sound in its core methodology and use of remote sensing data. However, inconsistencies in units, unresolved data discrepancies, and insufficient methodological details affect its rigor. Addressing these issues would align the manuscript with high academic standards and improve its contribution to the field. With revisions to standardize units, clarify methodologies, resolve data conflicts, and enhance contextual analysis, this manuscript has the potential to be a robust and impactful scientific contribution. The study’s focus on biomass estimation and carbon emissions in India is timely and relevant to global sustainability challenges. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | The provided manuscript demonstrates a generally sufficient and well-selected range of references, covering foundational theories, key methodological papers, and recent advancements in biomass estimation using remote sensing and GIS. The references appropriately support the study's objectives, methodology, and discussion. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language quality is sufficient for understanding the study's methodology and findings but is not currently at the level required for seamless scholarly communication in a high-impact international journal. The errors present do not fundamentally invalidate the science but create a barrier to reading and may negatively impact the perception of the work's rigor.  Recommendation: It is highly recommended that the authors engage a professional scientific editing service. A thorough round of copyediting focusing on grammar, syntax, punctuation, and academic style would significantly elevate the manuscript's quality, professionalism, and chances of successful publication.  The core scientific content is valuable; investing in language polishing will ensure it is presented in the best possible light. |  |
| Optional/General comments |  |  |

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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?** | *(If yes, Kindly please write down the ethical issues here in detail)*  **No** |  |

**Reviewer details:**

**Ansam Adil Mohammed, Iraq**