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| Journal Name: | [**Asian Journal of Research in Agriculture and Forestry**](https://journalajraf.com/index.php/AJRAF) |
| Manuscript Number: | **Ms\_AJRAF\_132898** |
| Title of the Manuscript: | **Assessing suitable tree species for biochar production and their performance in enriching soil quality and plant growth of Oryza sativa L. and Acacia auriculiformis**   1. **Cunn. ex Benth.** |
| Type of the Article | **Original Research Article** |

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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.** | **The present manuscript is very interesting; so, its objective was to identify suitable tree species for biochar production and evaluate their effectiveness in improving soil quality and the growth of Rice (Oryza sativa L.) and Akshmoni (Acacia auriculiformis A. Cunn. ex Benth). The results of the present study highlight the importance of selecting appropriate feedstock species for biochar production. Terminalia arjun) biochar demonstrated the most promising results in terms of yield, soil quality enhancement, and plant growth.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, the title of the abstract is suitable.** |  |
| **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 of the article is comprehensive.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **The text is clear and easy to read. The results are very interesting revealing that applying an appropriate amount of biochar can enhance seed germination, plant growth, and soil nutrient availability, but further research is necessary to investigate the chemical properties of biochar that contribute to beneficial and**  **harmful effects on soil and different plant species.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **The list of references is large and recently.** |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | **The English quality of the article suitable for scholarly communications.** |  |
| **Optional/General** comments | **At the reference list, some names of species are not italic. Please to correct.**  **Examples: reference 34 - Phaseolus vulgaris; reference 41 - Vigna radiata; reference 43 - Lactuca sativa.** |  |

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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)* |  |

**Reviewer details:**

**Dumitru Gabriela, Alexandru Ioan Cuza University of Iasi, Romania**