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| Journal Name: | [**Archives of Current Research International**](https://journalacri.com/index.php/ACRI) |
| Manuscript Number: | **Ms\_ACRI\_134789** |
| Title of the Manuscript: | **Evaluation of lignocellulosic substrates on productivity of Pearl oyster mushroom (Pleurotus ostreatus)** |
| Type of the Article | **Short communication** |

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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.** | **One of the significant edible oyster mushrooms grown in India is the pearl oyster mushroom (Pleurotus ostreatus). It can be cultivated on a variety of lignocellulosic surfaces. However, the type and makeup of the substrates affect its productivity. As a result, the capacity of ten distinct agricultural wastes to produce mushrooms was assessed.**  **The substrates' composition and nutrition have a significant impact on oyster mushroom output. A possible source of protein, vitamins, and minerals is Pleurotus ostreatus. Additionally, it possesses a variety of pharmacological qualities, including antiviral, anticancer, antioxidant, and anti-platelet aggregating capabilities.** | **It has been mentioned in the text** |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, title of the article is suitable** | **NA** |
| **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 contents of the abstract are research objectives, research methods, and research results. The abstract of this research article does not explain the contents in a structured manner.** | **The abstract of the article explained elaborately** |
| **Is the manuscript scientifically, correct? Please write here.** | **Laboratory/experiment tests are the source of research findings. As a result, the analysis is legitimate and explicable.** | **All the field experiments were conducted in the growing room of CTMRT, OUAT, Bhubaneswar whereas chemical composition of ligno-cellulosic substrates were analyzed in the Central laboratory of OUAT .** |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **With a 10-year reference, the percentage is 21%. The rest are references above 10 years.** | **Recent references have been incorporated.** |
| **Is the language/English quality of the article suitable for scholarly communications?** | **Yes, it is.** |  |
| **Optional/General** comments | **Introduction, Materials and Methods, Results and Discussions, and Conclusion are explained in detail, clearly and structured.** | **Conclusion section has been expanded.** |

**PART 2:**

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|  | **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)*  **There are not.** |  |