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| Journal Name: | [**Asian Journal of Advances in Medical Science**](https://journalmedicals.com/index.php/AJOAIMS) |
| Manuscript Number: | **Ms\_AJOAIMS\_4625** |
| Title of the Manuscript: | **EDIBLE MUSHROOMS FOR INDIA'S FUTURE: FROM POTENTIAL TO PROSPERITY IN ACHIEVING SELF-RELIANCE BY 2047** |
| Type of the Article | Review article |

**PART 1: Comments**

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|  | |  |  | | --- | --- | | **Artificial Intelligence (AI) generated or assisted review comments** | | | **are strictly prohibited during peer review.** |  |   **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. A minimum of 3-4 sentences may be required for this part.** | This is a well-structured and comprehensive review paper on the potential of edible mushrooms for India's future, focusing on selfreliance by 2047. This paper is well-defined and covers the nutritional value of mushrooms, the introduction starts with logic and the whole paper explains a wide range of environmental sustainability, technological advancement, policy support and market development. It cites references to support its claims, the tables are also helpful and act as supporting documents. The paper provides a clear roadmap with key components (research, infrastructure, education, policy, market) for developing the mushroom industry and achieving self-reliance.  **Weaknesses:**  Repeated information across different sections, e.g., the nutritional and medicinal benefits of mushrooms are mentioned in multiple places. The paper highlights the potential of mushrooms, it could delve deeper into the specific challenges related to consumer perception and acceptance of mushrooms in the Indian diet. Disease management, pest control, and post-harvest handling could be explored further. This manuscript addresses the competitive landscape, including imports and the need to develop a competitive edge for Indian mushrooms. In the concept of education and training mentioned, a more detailed analysis of the skill gaps and the specific training needs of different stakeholders (farmers, entrepreneurs, researchers) would be beneficial. The referencing style is inconsistent. Some entries are complete, while others are incomplete or missing. Ensure consistent formatting throughout. Consider using a citation management tool. This paper sets the goal of self-reliance by 2047, but it lacks specific, measurable targets for mushroom production, consumption, and export. Suggestions for Improvement: Combine repetitive information into single, more comprehensive sections. |  |
| **Is the title of the article suitable?**  **(If not please suggest an**  **alternative title)** | The title "EDIBLE MUSHROOMS FOR INDIA'S FUTURE:  FROM POTENTIAL TO PROSPERITY IN ACHIEVING SELFRELIANCE BY 2047" is a good starting point but could be improved for clarity and impact.  “Edible Mushrooms: A Key to India's Self-Sufficient Future”  “Growing a Sustainable Future: The Role of Mushrooms in India's Food Security” | Revised title with make it shorter and accurate to the point with cover both the previous words in title self reliance and sustainable,  New title is : "Edible Mushrooms: A Path to India’s Self-Sufficiency by 2047" |
| **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 well-written and clearly explains all aspects. But in place of some phrases e.g., "pressing socio-economic and environmental challenges," or "transformative effects, use the exact words. | revised |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically correct but some area needs corrections-   1. The manuscript does not mention the challenges in pan India regarding marking, cultivation and use of skill development. 2. The manuscript cites some references, it often makes broad claims without sufficient supporting evidence. For example, it mentions the medicinal properties of mushrooms but doesn't provide specific studies or mechanisms of action. | revised |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | References are sufficient. Kindly add some more references from recent years 2024. | revised |
| **Is the language/English quality of the article suitable for scholarly communications?** | Language quality is ok, remove grammatical mistakes and in place of common phrases use exact scientific words. | - |
| **Optional/General**comments |  | - |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | no significant ethical issues |