

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_125397
Title of the Manuscript:	Effect of casing mixtures along with turmeric powder on the growth parameters and yield of white button mushroom [Agaricus bisporus (Lange) Imbach]
Type of the Article	Research Article

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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Important Policies Regarding Peer Review

Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

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PART 1: Review Comments

Compulsory REVISION comments	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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	I believe that this research is important for advancing mushroom cultivation, especially with a focus on incorporating organic inputs. The novel use of turmeric powder as a casing additive demonstrates innovation, as previous research works have focused on other botanical additives like garlic powder, turmeric leaves, and drumstick leaf powder. This study highlights turmeric powder's potential in enhancing biological efficiency, yield, and quality, while also preventing fungal pathogens. Its cost-effectiveness and eco-friendly nature make it easily adoptable for farmers, particularly those looking to innovate in mushroom farming. Researchers and the farming community will both benefit from this work.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is suitable but could be slightly refined for clarity. An alternative title could be: "Effect of Turmeric Powder-Enriched Casing Mixture on the Yield and Quality of <i>Agaricus bisporus</i> (Lange) Imbach under [Specific] Agro-Climatic Conditions."	
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 good but can be enhanced by emphasizing the broader implications of the study. This includes its contributions to disease management, eco-friendly farming practices, and organic mushroom cultivation. Additionally, the role of turmeric in reducing fungal diseases and improving mushroom quality should be mentioned more explicitly.	
Are subsections and structure of the manuscript appropriate?	The manuscript's structure and subsections are appropriate, following a logical progression from introduction to conclusion. However, the results section could be made clearer to aid reader understanding.	
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 manuscript appears scientifically robust and technically sound. The research design is well-structured, with appropriate controls and a detailed description of experimental treatments. The statistical analysis provides a strong foundation for the conclusions regarding turmeric's role in improving yield, quality, and biological efficiency. The biological explanation is well-supported by references, though some facts should be reviewed for accuracy and correctness.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient but could be improved with the addition of more recent studies from the past 3-5 years. These studies should focus on botanical-based agricultural practices and fungal disease control in mushroom cultivation. Ensure proper citation formatting and consider acknowledging similar recent research that uses similar methodologies.	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Language/English Quality: <ul style="list-style-type: none">• The language is clear but needs minor grammatical improvements, particularly in sentence structure and spelling• Long sentences can be shortened, and passive voice should be minimized to improve clarity• Stick to British English throughout the manuscript, and ensure proper use of articles SI Units and Results Section: <ul style="list-style-type: none">• Proper formatting for SI units should be followed• The results section can be improved for better clarity and presentation of findings.	
<u>Optional/General</u> comments	Overall, the manuscript provides valuable information on utilizing turmeric powder for sustainable mushroom farming, with potential applications beyond <i>Agaricus bisporus</i> . Further validation trials, as suggested by the authors, are encouraged across different climatic conditions to ensure broader applicability. The language and clarity of the manuscript should be improved for better scholarly communication.	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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