

Review Form 1.7

Journal Name:	Asian Journal of Biotechnology and Bioresource Technology
Manuscript Number:	Ms_AJB2T_98092
Title of the Manuscript:	Evaluation of Suitability of Cocoyam Starch as Alternative Gelling Agent in Culture Media for Cultivation of Fungi
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The information shown in manuscript is important for scientific community, and the industry too. However, Is very important to clarify some interpretations of results that was shown in the manuscript</p> <p>2. Yes, it is. But, I suggest: Evaluation of partial substitution of Cocoyam Starch as Alternative Gelling Agent in Culture Media for Cultivation of Fungi</p> <p>3. Yes, but is important show results with appropriate significant figures.</p> <p>4. Yes, are appropriate.</p> <p>5. Yes, I think the article include important information, however, In my opinion, the profound of the discussion of results were very simply; for example, the effects of heating of the carbohydrates on gelling power of the starch are not discussed, how is the change in intermolecular forces with the starch as a partial substitute. Is necessary to include some relevant literature, and rewrite some paragraphs in the discussion section.</p> <p>Martin, D. A. G., Cárdenas-González, O. E., Pacheco, J., De Jesus-Echevarría, M. & Gámez Castaño, J. A. (2017). Efficiency of the partial substitution of agar with potato starch on the growth and phytochemical parameters of lulo (<i>Solanum quitoense</i>) cultured in vitro. <i>African Journal of Biotechnology</i>, 16(13), 623-630.</p> <p>Sánchez-Gutiérrez, A. E., Soto-Zarazúa, G. M., Toledano-Ayala, M., & García-Trejo, J. F. (2023). A Potential Alternative for Agar in In Vitro Culture Media Based on Hydrocolloids Present in Nopal: General Structure and Mechanical Properties. In <i>Recent Research and Advances in Soilless Culture</i>. IntechOpen.</p> <p>Martín, D., Cárdenas, O., & Cárdenas, A. (2013). Almidón de papa, agente gelificante alternativo en medios de cultivo para propagación in-vitro de lulo <i>Solanum quitoense</i> Lam. <i>Revista de Ciencias Agrícolas</i>, 30(1), 3-11.</p> <p>Nasiri, M., Tavakolipour, H., Safaeian, S., & Nadushan, R. M. (2022). Exploring the potential of modified potato starch and seaweed salt as structuring agents to design processed cheeses with desirable properties. <i>International Dairy Journal</i>, 133, 105439.</p> <p>Wongphan, P., & Harnkarnsujarit, N. (2020). Characterization of starch, agar and maltodextrin blends for controlled dissolution of edible films. <i>International Journal of Biological Macromolecules</i>, 156, 80-93.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Yes	
<p>Optional/General comments</p>		

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

Reviewer Details:

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