

### Review Form 3

Journal Name:	<a href="#">Asian Research Journal of Agriculture</a>
Manuscript Number:	Ms_ARJA_126409
Title of the Manuscript:	Feasibility of Fruit Waste-Derived Media for Microbial Culture: A Sustainable and Low-Cost Approach
Type of the 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:

<https://r1.reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

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

Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

#### **PART 1: Review Comments**

<b><u>Compulsory</u></b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	Authors have touched upon a very important topic on the use of fruit waste for microbial culturing. Most of the microbes are unculturable because of the limitations in culture media and culture conditions. So it is essential to look for the alternatives in order to maximize the characterization of microbes through culturable methods.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes the title of the article 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.	Kindly mention the future scope of this research in last line of the abstract.	
Are subsections and structure of the manuscript appropriate?	Yes the paper is appropriately designed.	
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.	Authors need to improve the introduction section substantially. I would recommend some points that can be included in the introduction to improve the quality of the manuscript. These points include: <ol style="list-style-type: none"> <li>1. How microbes adapt to varying climatic conditions.</li> <li>2. Comparison of culturable and unculturable methods</li> <li>3. Use of metagenomics to characterize microbiome.</li> <li>4. Materials used for microbial media like fruit waste, shrimp wate.</li> <li>5. How are enzymes derived from microbes.</li> </ol> Noted: I have given recent references for these topics in the following box. You can read those and cite them in the manuscript where they are necessary.	

**Review Form 3**

<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>-</p>	<p>No references are not sufficient. Following references on this topic will improve the paper substantially.</p> <p><a href="https://doi.org/10.1007/s00203-022-02757-5">https://doi.org/10.1007/s00203-022-02757-5</a></p> <p><a href="https://doi.org/10.1016/j.meegid.2022.105267">https://doi.org/10.1016/j.meegid.2022.105267</a></p> <p><a href="https://doi.org/10.1016/j.clce.2022.100017">https://doi.org/10.1016/j.clce.2022.100017</a></p> <p><a href="https://doi.org/10.1063/5.0078708">https://doi.org/10.1063/5.0078708</a></p> <p><a href="#">Role of Genomics, Metagenomics, and Other Meta-Omics Approaches for Expunging the Environmental Contaminants by Bioremediation</a></p> <p><a href="#">Isolation and characterization of cellulase-producing Myxobacterial strain from the unique niche of Mirgund wetland from the North-Western Himalayas</a></p> <p><a href="https://doi.org/10.1016/j.ijbiomac.2024.133974">https://doi.org/10.1016/j.ijbiomac.2024.133974</a></p> <p><a href="https://doi.org/10.1007/s11356-023-27819-">https://doi.org/10.1007/s11356-023-27819-</a></p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Minor typographical errors detected. Correct those</p>	
<p>Optional/General comments</p>	<p>Write limitations and future scope of this study</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:**

<p>Name:</p>	<p><b>Atif Khurshid Wani</b></p>
<p>Department, University &amp; Country</p>	<p><b>Lovely Professional University, India</b></p>