

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_77068
Title of the Manuscript:	Statistical optimization of media components for xylanase production by solid state fermentation and its application in fruit juice clarification
Type of the Article	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)
Compulsory REVISION comments	<ol style="list-style-type: none">1. There are several reports published previously regarding the SSF process for xylanase production. What selective advantage confer by the proposed studies? The authors should mention in the manuscript in introduction section or results and discussion section.2. Why authors have not mentioned the molecular level identification of <i>Aspergillus</i> species mentioned in the manuscript. Apart from that there is only plate-based method has been proposed but for confirmatory studies the authors should perform rigorous secondary screening procedures for cell selection.3. In Table 1 What is rationale behind selection of the level of trace elements from 1g/l to 0.01g/l.4. What is the percentage of humidity that has been used in the proposed studies for SSF?5. The authors should mention the graph of gel filtration chromatography and molecular weight of xylanase enzyme.6. At 60°C, What is the stability and quality of orange juice under investigation.	<ol style="list-style-type: none">1. The selective advantage of the proposed study is regarding the use of various agro industrial wastes such as wheat bran, rice bran, sugar cane bagasse, etc. It has been incorporated in the introduction section of the manuscript.2. Due to time constraint molecular characterization of the isolated <i>Aspergillus sp</i> was not performed. The results of primary screening were encouraging and convincing enough, so as to proceed with optimization studies.3. The High and Low levels of all the media components including trace elements were selected based on the literature survey performed.4. In all the experimental runs the percentage humidity/moisture content was kept constant at 80% (v/w).5. The graph of gel filtration chromatography has been incorporated. Molecular weight determination of the enzyme by SDS PAGE was not performed.6. Application of xylanase in orange juice clarification was studied and optimum temperature was found to be 60°C. However, the stability studies were not undertaken.
Minor REVISION comments		
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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	