

Review Form 1.7

Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	Ms_JAERI_106656
Title of the Manuscript:	SEM & FTIR ANALYSIS OF RICE HUSK TO ASSESS THE IMPACT OF PHYSIOCHEMICAL PRETREATMENT
Type of the Article	

Review Form 1.7

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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>1. Clarity and Organization: The abstract and introduction provide a good overview of the research, but the overall organization of the paper could be improved. Consider reorganizing the content to make it flow more logically. For example, you might want to start with a brief overview of the research objectives and methods before delving into the background information on bioethanol and pre-treatment.</p> <p>2. Background Information: While the introduction provides some useful background information, it could benefit from more specific details about the importance of rice husk as a feedstock for bioethanol production and the significance of steam explosion pre-treatment. Additionally, you could include more recent developments in the field of lignocellulose biomass pre-treatment to highlight the relevance of your research.</p> <p>3. Methods Section: The methods section should provide a clear and detailed description of the experimental procedures, including the conditions used for steam explosion pre-treatment with NaOH and HNO₃. It's important to specify the duration, temperature, and pressure of the steam explosion process. Additionally, provide information on how SEM and FTIR analyses were conducted, including sample preparation and instrument parameters.</p> <p>4. Results and Discussion: The abstract mentions important results such as changes in crystallinity index and lignin re-localization, but these findings should be discussed in more detail in the main body of the paper. Provide data, graphs, or tables to support your claims and explain the implications of these results for the feasibility of enzymatic digestion and bioethanol production.</p> <p>5. Citations and References: Ensure that all the information presented in the introduction is properly cited. It's important to reference the relevant literature to support your statements about bioethanol</p>	

Review Form 1.7

	<p>production, pre-treatment methods, and the use of rice husk as a feedstock. Additionally, make sure your references are up to date and include recent research in the field.</p> <p>Overall, the paper has the potential to contribute to the understanding of rice husk pre-treatment for bioethanol production, but it needs some revisions to enhance clarity, organization, and the depth of analysis in the results and discussion sections.</p>	
--	--	--

PART 2:

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

Reviewer Details:

Name:	Chaitanya Vijaykumar Mahamuni
Department, University & Country	University of Mumbai, India