

Review Form 1.7

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_108168
Title of the Manuscript:	Development of a sustainable composite material based on rice husk and polystyrene
Type of the Article	Original Research Article

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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> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The topic under consideration is of significant interest to the scientific community, although there is currently a lack of comprehensive scientific information available. Despite this, the subject matter remains intriguing. 2. Yes, this topic warrants attention and exploration. 3. The abstract falls short of providing a comprehensive overview of the study. Substantial improvements are required in order to offer a more detailed summary. 4. The structure of the manuscript is severely lacking, requiring substantial revision and organization. 5. The content provided here is deficient in scientific rigor and information. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	Yes	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 6. The abstract should be more concise and focused. The removal of the first line is recommended to enhance its clarity and precision. 7. The abstract should be expanded to include the significant outcomes of the study. 8. The study's aim is not adequately conveyed in the abstract and should be presented more clearly. 9. The keyword "composite" may not be the most appropriate choice. Consider alternative keywords that better reflect the content. 10. The manuscript should include a more comprehensive review of previous research on the usage of rice husk and polystyrene, and it should clearly articulate the study's aims, objectives, and research gap. 11. It is essential to include the chemical composition of rice husk in the study to provide a more complete understanding. 12. Elaborate on the methodology used to determine the physical properties of rice husk and include the processes for calculating true and bulk densities with proper references and equations. 13. The section on sample preparations lacks necessary scientific information. Specify details such as the amount of materials, binder ratios, dimensions of the samples, compaction rate, curing process, temperature, humidity conditions, and 	

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	<p>equipment specifications. Consider referencing relevant scientific articles for guidance.</p> <p>14. Include information about the uncertainty associated with each result and provide details about the number of samples used to obtain each data point.</p> <p>15. Incorporate data related to the rate of water absorption and mass loss rate in the study.</p> <p>16. Describe the process for calculating density in greater detail, and provide appropriate references and equations for clarification.</p> <p>17. Calculate and discuss the rate of swelling, and establish relationships between these properties and changes observed.</p> <p>18. The discussion of the study's results is currently inadequate and lacks scientific conclusiveness. Enhance the section by explaining the chemical processes involved in the formation of the final composite and providing reasons for the results obtained.</p>	
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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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