Review Form 1.7

Journal Name:	**Journal of Materials Science Research and Reviews**
Manuscript Number:	**Ms_JMSRR_97107**
Title of the Manuscript:	**Optimization of process conditions for the production of biogas from cow dung**
Type of the 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:
(https://journaljmsrr.com/index.php/JMSRR/editorial-policy)

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 **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.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	1. The scientific community should pay close attention to this publication since it offers a thorough review of the optimization of process parameters for the generation of biogas from cow manure. The process parameters for biogas generation yields from cow manure were rigorously analyzed in the study. The pre-treated and described cow poo was then used to establish its proximate analysis. The purpose of the study was to examine the interactions between slurry ratios, catalyst dose, and duration on the generation of biogas from cow dung using RSM. According to the results of the proximate analysis, the moisture content of the cow dung is within the allowed range. The authors also propose that the process factors have a significant impact on the optimization of biogas production outcomes from this study effort. The paper offers a current overview of the state of alternative fuel research, making it a useful tool for both academics and practitioners. 2. The article's title is appropriate and appropriately describes the manuscript's substance. 3. The article's abstract is thorough and gives a synopsis of the key study findings. 4. The manuscript's subsections and structure are suitable and clearly spell out the authors' research and conclusions. 5. The authors' findings are supported by enough data, and the paper follows scientific best practices. 6. The references given are complete and up to date.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	The article's language and English quality are appropriate for scholarly communications, yes. The essay employs proper grammar, punctuation, and spelling and is written in a clear, succinct style. In order to bolster the assertions made throughout the book, it also offers pertinent citations and references.	
Optional/General comments	Given the significance of the study, the article should be approved; nonetheless, because of the narration's high similarity index, some revisions are required.	

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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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