

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_96837
Title of the Manuscript:	INFLUENCE OF POTASH ON BIOGAS PRODUCTION FROM COW DUNG AND FOOD WASTE
Type of the Article	Original 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:

(<https://www.journaljerr.com/index.php/JERR/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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>This paper is an original work and contains very useful information. The study is of great interest but it not written in article format, the authors need some major improvements.</p> <p>The title is fine</p> <p>In the abstract, the author needs to recheck the Unit of biogas mentioned as (2428.5m³/day of biogas in 90days), this much amount of biogas produced from 100-140g food?</p> <p>The author reported (oxygen (41.33%,14.06%), nitrogen (3.23%,1.48%), carbon (36.50%,29.67%)), where is methane and hydrogen in these samples? The other gases are not biogas but actually the impurity in anaerobic digestion.</p> <p>In the introduction</p> <p>The author is suggested to avoid giving headings to aim, objective, and significance, he can simply mention these in the last paragraph the of introduction in the text,</p> <p>In methodology</p> <p>The Figure for is not necessary, better to remove this (Map 1. Map of Study Area)</p> <p>In the conclusion the author reported that (food waste, potash, and cow manure, which is abundant locally, can be co-digested anaerobically to generate biogas), whereas is the study did not report a concentration of CH₄/methane from the samples, I am afraid the process may only produce other gases not the actual methane, please confirm it. Also ,the author should explain the mechanism and purpose of using</p> <p>Potash in biogas production, ow potash can increase and with what mechanism it can help. For better manuscript writing in biogas, I am suggesting the author get help from these articles</p> <p>Pre-treatment of wheat straw with ligninolytic fungi for increased biogas productivity DOI 10.1007/s13762-019-02277-8. 'Enhancing Biogas Production from Lime Soaked Corn Cob Residue https://www.ijrer.org/ijrer/index.php/ijrer/article/view/7254</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	The language is fine	
Optional/General comments		

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)	

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