

Review Form 3

Journal Name:	Biotechnology Journal International
Manuscript Number:	Ms_BJI_126034
Title of the Manuscript:	Interval Analysis of Volatile Solid and Biochemical Oxygen Demand in Batch Anaerobic Fermentation of Selected Agrowaste
Type of the Article	Original research paper

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Agro-waste or agricultural waste is any unwanted or unsalable material produced during farming activities. Anaerobic digestion of agro-waste provides three solutions i.e., gaseous fuel generation, organic manure production, and management of wet biomass. This study evaluates the biodegradability of various agro-waste in line with their potential for biogas production. It investigated the degradation of volatile solids (VS) and biochemical oxygen demand (BOD) during the anaerobic digestion of different agro-waste. It can assist decision-makers, researchers, and planners in creating a more efficient plan for the management of agro-waste through anaerobic digestion in various countries.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes title is suitable	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	This study evaluates the biodegradability of various agro-waste in line with their potential for biogas production. It investigated the degradation of volatile solids (VS) and biochemical oxygen demand (BOD) during the anaerobic digestion of different agro-waste. It can assist decision-makers, researchers, and planners in creating a more efficient plan for the management of agro-waste through anaerobic digestion in various countries.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, references are enough and many of them are recent.	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Comments: 1. Quality of language is poor at some points i.e. Methane content varies from 50~75% to 25~50% of carbon dioxide (Paragraph 2, Introduction). Therefore, language quality must be improved. 2. According to research, the ideal pH range for anaerobic digestion should be 6.8-7.2, although the process can run up to the range of pH 8.0. However, in the manuscript, the value of the composite sample is (9.51±0.59). The authors kindly explain how the anaerobic digestion process can take place in such a situation. 3. In my opinion subjects such as economic efficiency, operational and maintenance costs, and cost of installation are neglected in the manuscript. So, these subjects should be added to the manuscript. 4. Author may present photos of different steps of sampling and anaerobic digester on which experiments have been performed.	
<u>Optional/General</u> comments	Topic is interesting and useful for the society to manage and extract the energy from the agro-waste.	

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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:

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