

Review Form 1.6

Journal Name:	Asian Journal of Physical and Chemical Sciences
Manuscript Number:	Ms_AJOPACS_85288
Title of the Manuscript:	An experimental case study on generation of Bio-energy as clean technology initiative in a Food Industry
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:

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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)
Compulsory REVISION comments		N/A
Minor REVISION comments	<p>The manuscript entitled "An experimental case study on generation of Bio-energy as clean technology initiative in a Food Industry" reports on the experiment of converting potato peels of a food industry to generate biogas. A SWOT analysis has been carried out to critically analyze the suitability of the experiment as per industrial scale. This manuscript deals with a relevant issue.</p> <p>My remarks are:</p> <p>1. The topic is relevant to the journal's scope. The paper is well-organized and well written. The organization of the article is satisfactory. The paper's title is brief and reflects the main theme of the paper.</p> <p>2. The abstract is sufficiently informative. It is completely self-explanatory, briefly presents the topic, states the scope of the experiments, indicates significant data, and points out major findings and conclusions</p> <p>3. The keywords are suitable so the article can be found in the current registers or indexes.</p> <p>4. Introduction Section: The authors present studies regarding the anaerobic digestion (AD). Special attention is paid to the raw materials used in anaerobic digestion. I suggest to include bibliographic references regarding the use of potato peelings for biogas production. The authors should mention the novelty of their research related to the papers presented in the literature survey.</p> <p>5. The Materials and Methods Section is devoted to the procedure for the digestion of potato peels, raw materials used for this purpose, and experimental setup.</p> <p>6. The methods and protocols are described with sufficiently informative to allow replication of the research.</p> <p>7. The authors used unit measurements according to the applicable international standards and rules.</p> <p>8. Results and Discussion Section: The authors present and interpret the results of the experiments performed. This section is well organized. However, the authors should mention the repeatability of the tests performed and they should mention the standard deviation.</p> <p>9. The authors should relate their findings to other research results.</p> <p>10. Figures and tables: The tables and figures are numbered sequentially, and they are clearly labeled and positioned close to the relevant text. Titles of tables and figures are brief and informative. All the tables and figures included are referred.</p> <p>11. References Section: The references are accurate and relevant for the subject of the paper.</p> <p>Finally, I recommend publishing the paper after minor revisions.</p>	<p>8. The repeatability of the experiment is mentioned now in the conclusion section.</p> <p>9. Authors are now exploring this technique for other food waste for bio-energy generation. Findings of those experiments will be communicated for publication as soon as fruitful results are obtained.</p>
Optional/General comments		N/A

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>	N/A