

Review Form 3

Journal Name:	Journal of Applied Life Sciences International
Manuscript Number:	Ms_JALSI_122551
Title of the Manuscript:	Algal Biofuels: A Comprehensive Review and Analysis
Type of the Article	Review Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	The work is important and well arranged. It is an important addition in the field of biofuel research. I recommend its publication after few modifications.	
Is the title of the article suitable? (If not please suggest an alternative title)	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.	It is okay. But introduction must be improved with new references.	
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.	The manuscript is scientifically correct.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	No	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Minor correction needed</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 1. Lack of Discussion on Environmental Impacts for: large-scale algae cultivation can lead to issues such as water resource depletion, nutrient pollution, and the potential for invasive species. 2. The passage assumes that microalgae are inherently superior to terrestrial plants for biofuel production due to their faster growth rate and higher oil content. However, this comparison is not fully explored, particularly regarding the lifecycle analysis of energy inputs and outputs, land use efficiency, and the scalability of algae-based systems compared to other biofuel sources. 3. It does not delve into specific challenges that have historically hindered the transition from laboratory research to industrial-scale production. These challenges include high capital costs, energy requirements for cultivation and processing, and market competitiveness with fossil fuels and other renewable energy sources. 4. Reliance on Older References were mostly used. 5. Authors must use the following references: <p>Datta, Arup, Aslam Hossain, and Sanjay Roy. "An overview on biofuels and their advantages and disadvantages." (2019): 1851-1858. Roy, Sanjay. "A piece of writing: Future prospect of biofuels." (2017): 49-52. Saha, Avishek, Kalachand Mahali, and Sanjay Roy. "A review on environmental friendly gasoline substituent: bio-ethanol." (2022): 97-105.</p>	

PART 2:

	<p>Reviewer's comment</p>	<p>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>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

<p>Name:</p>	<p>Sanjay Roy</p>
<p>Department, University & Country</p>	<p>Netaji Subhas Open University, India</p>