

Review Form 1.7

Journal Name:	Journal of Energy Research and Reviews
Manuscript Number:	Ms_JENRR_119079
Title of the Manuscript:	MODIFICATION OF GROWTH MEDIA FOR <i>Scenedesmus</i> and <i>Nitzsch</i> spp. FOR FATTY ACID METHYL ESTERS PRODUCTION IN RACEWAY POND
Type of the Article	

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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)
<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? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. Do you think the manuscript is scientifically correct? <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes, it is important, especially with the undeniable need for a shift from fossil fuels to clean energy</p> <p>Could be better: I suggest "Optimizing Growth Media for Enhanced Lipid Production in Scenedesmus and Nitzschia spp. for Biofuel Production in Raceway Ponds"</p> <p>There was no introduction or justification for the study in the abstract, The WHY?</p> <p>Yes</p> <p>It would be better if 70% of references are between 10 years from now.</p> <p>Would be correct if the following explanation could be made and included in the manuscript</p> <p>In the pond setup was the pond covered to reduce light intensity for autotrophically grown algae?</p> <p>Also, the author did not adequately justify the reason for the choice of species in the study (introduction), just a generalized discussion on the use of algae for biofuel production. What is peculiar about the two species chosen?</p> <p>No reference was cited for the preparation of the media, was it according to the manufacturer's specification?</p> <p>After the experiment how was the pond water disposed? Flushed to where? To cause pollution elsewhere?</p> <p>Some of the major factors that influence photosynthesis are water, temperature, light intensity, and carbondioxide. Why was the carbondioxide concentration not varied? Since it's a study of modification or optimization?</p> <p>If Scenedesmus sp. Was only grown between March and May when the temperature was relatively high, does that mean you did not vary the temperature by cultivating in the cold season? I think that should be mentioned if done or was that stated in the literature?</p> <p>No references cited for FAME analysis?</p> <p>Some of the results were mentioned in the materials and methods (variation of temperature etc)</p> <p>If the results showed that the control performed better than the experimental media, this needs to be proved beyond reasonable doubt and supporting evidence.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The quality of the written English is poor and not suitable for scholarly communications. Too many typos and grammatical errors, and the names of the species were wrongly spelled in some cases.</p>	

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Optional/General comments	It's a very interesting study and I look forward to communicating these results and contributing to knowledge by the author.	
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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>	

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