

## Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_95320
Title of the Manuscript:	Soxhlet extraction of Spirogyra sp. as an energy source and physicochemical characterization of produced biodiesel
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.journalijecc.com/index.php/IJECC/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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>1. This manuscript is essential for the scientific community because it provides a comprehensive overview of the Soxhlet extraction of Spirogyra sp. as an energy source and physicochemical characterization of produced biodiesel. The authors research aimed to investigate the general fuel properties of Spirogyra oil-based biodiesel. The result showed that the physicochemical properties of obtained biodiesel were in the permissible range compared with standard diesel fuel. Additionally, the authors offer various insights into the oil extracted from the algae is characterized to identify the suitability of algal biodiesel as a potential biodiesel fuel for IC engines.</p> <p>2. The article's title is appropriate and appropriately describes the manuscript's substance.</p> <p>3. The article's abstract is thorough and gives a synopsis of the critical research findings.</p> <p>4. The manuscript's subsections and structure are suitable and clearly spell out the authors' research and conclusions.</p> <p>5. Enough data support the authors' conclusions, and the paper follows scientific best practices.</p> <p>6. The references given are complete and up to date.</p> <p>7. Because the similarity checking result for the document is quite high, the writers should make the necessary revisions to the text in order to lower the similarity score. They should also think about citing sources, giving the original authors their due credit, or requesting permission to use the information.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The article's language and English quality are appropriate for scholarly communications. The article employs proper grammar, punctuation, and spelling and is written in a clear, succinct style. In order to bolster the assertions made throughout the text, it also offers pertinent citations and references.</p>	
<p><b>Optional/General</b> comments</p>	<p>Please make some revision by paraphrasing the content within the article.</p>	

### 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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p>(If yes, Kindly please write down the ethical issues here in details)</p>	

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