

Review Form 1.6

Journal Name:	Asian Journal of Research in Biochemistry
Manuscript Number:	Ms_AJRB_83778
Title of the Manuscript:	Improving the quality of fast pyrolysis bio-oil (liquid fuel) using thermal distillation method
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://journalajrb.com/index.php/AJRB/editorial-policy>)

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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	<p>Abstract:</p> <ol style="list-style-type: none">1) CO₂ - subscript;2) separate numeric value from unit;3) replace “calorific” by “heating”;4) use keywords different of the paper title to enlarge the research by paper; <p>Introduction:</p> <ol style="list-style-type: none">1) Some sentences are very long and no references;2) the reference [12] is out of order, obey the numerical sequence;3) observe the excess of commas throughout the text. <p>Methodology:</p> <ol style="list-style-type: none">1) In section 2.1, add a scheme, diagram, flowchart or figure to better describe what was presented;2) In section 2.3.1, exchange “elemental” by “ultimate”.3) ASTM standards (ASTM D5373-02) need to be add in references;4) SO_x, NO_x, H₂O, CO₂ and SO₂— subscript;5) In section 2.3.2, exchange “mins” by “min”; <p>Results and Discussion:</p> <ol style="list-style-type: none">1) Explain better in terms of percentage values, why of the differences between this study and reference [9];2) Explain better the differences in pH;3) Why the differences between the contents of oxygen of the distilled bio-oil and pyrolysis bio-oil?;4) Explain better the differences in density for the two bio-oil;5) Add the GC-MS spectra of the bio-oils;6) standardize the same names in Tables 1 and 2;	
Minor REVISION comments	<p>Conclusions:</p> <ol style="list-style-type: none">1) The conclusion is good, simples and direct; <p>References:</p> <ol style="list-style-type: none">1) observe the correct form for the references and citations, following the journal template;2) note that some references are incomplete;3) consider adding the following reference to this paper: Biofuels from oilseed fruits using different thermochemical processes: Opportunities and challenges. <i>Biofuels, Bioproducts and Biorefining</i> (2020); 14(3):696-719. doi: 10.1002/bbb.2089.	
Optional/General comments	<p>The paper brings relevant information for the field, but some adjustments need to be made.</p>	

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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?	(If yes, Kindly please write down the ethical issues here in details)	

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