

Review Form 1.6

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| 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:

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(<https://journalajrb.com/index.php/AJRB/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) |
|-------------------------------------|---|---|
| Compulsory REVISION comments | The manuscript contains some grammatical errors and the language used in the present manuscript requires improvement to make it worth for publication quality. Kindly proof-read the manuscript carefully to eliminate the grammatical errors. | |
| Minor REVISION comments | <ol style="list-style-type: none">1. The Acronyms 'EFB' and 'MS' used in methodology, 'HHV' used in conclusion should be mentioned in full before been used.2. In abstract and methodology, typing mistake CO2 should be corrected as CO₂. Similarly, SO2 should be corrected as SO₂.3. In the manuscript, there are grammatical mistakes in many sentences. Some of these are mentioned in the manuscript. Kindly correct the sentences grammatically.4. Reference provided at serial no. [2] is incomplete. Kindly provide the complete bibliographic detail.5. In methodology, under sub-section '2.3.2 GC-MS', some highlighted text portion is repeated in the manuscript. Kindly correct it by deleting the repeated portion.6. Kindly use IUPAC nomenclature for naming of organic compounds.7. In results and discussion as well under Table 2, the bio-oil (wt %) and distilled bio-oil (wt %) of the same organic compound 'Phenol, 2, 6-dimethoxy' has been mentioned twice with surprisingly different figure. At one place, the bio-oil (wt %) and distilled bio-oil (wt %) of 'Phenol, 2, 6-dimethoxy' has been mentioned 3.50 and 2.56 respectively whereas some other place, these are mentioned 3.90 and 1.50. Kindly mentioned the correct figures. | |
| Optional/General comments | The study can be made more interesting by comparing the physical and chemical properties of fast pyrolysis bio-oil (liquid fuel) obtained using thermal distillation method with the petroleum fuels to check the practical utility of bio-fuel. | |

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PART 2:

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| | 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) | |

Reviewer Details:

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