

Review Form 1.6

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_86908
Title of the Manuscript:	Fourier Transform Infrared (FTIR) Analysis of Fatty Acid Methyl Ester from Congolese Non-Edible Afzelia bella seeds oil.
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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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	Please check the attached Turnitin similarity index report. To meet our journal standard, you need to minimize the similarity (highlighted texts in the attached file) within 20%	
Major REVISION comments	<p>First of all, let me congratulate the author(s) for choosing this work, as the topic of research is of huge societal importance and it tries to. However, the following points may be noted and clarified so that the usefulness of this research will improve considerably. The manuscript has to be re-written so as to make it useful to the reading community.</p> <p>The paper entitled "Fourier Transform Infrared (FTIR) Analysis of Fatty Acid Methyl Ester from Congolese Non-Edible Afzelia bella seeds oil" under the scope of this prestigious journal. The work reported in this paper is very attractive. But minor improvement is required prior to the publication. The comments are shown below:</p> <p>1. INTRODUCTION :</p> <ul style="list-style-type: none"> - The manuscript of this article lacks recent research in the field. - The introduction should be more precise and detailed. To this section should be added a few recent articles which show the effect of biofuels on the injection system, engine performance (power, fuel consumption, efficiency, etc.), combustion and the formation of polluting gas. - Introduction parts need more references. <p>2. Bibliography/References Bibliography/References need to be enhanced and much more focused on the key findings of the research work.</p> <p>3. Material and methods</p> <ul style="list-style-type: none"> - Add a figure of the biomass (Afzelia bella seeds) used for extraction - Add a figure of the oil extracted used in the experiments - The system description is missing in the manuscript. A small description is required for the valorization system "extraction with SOXHLET". - This part lacks the process of extraction "extraction strategies" in the form of an organigram. <p>4. Results and discussion</p> <ul style="list-style-type: none"> - Need more qualitative analysis in the discussion section with proper references <p>5. Conclusion</p> <ul style="list-style-type: none"> - Conclusion should be more specific and detailed. The results need to be summarized in this section - Conclusion part can be enhanced further 	
Optional/General comments	<ul style="list-style-type: none"> - It would be necessary to add a part on the cost of extraction - The extraction protocol and method - Determine the chemical formulation of these oils to compare it with other vegetable oils in terms of quantity of oxygen. 	

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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