



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_47959
Title of the Manuscript:	Fourier Transform Infra-Red (FT-IR) Characterization of Plant oils from Selected Cultivars Grown in Nigeria
Type of the Article	<u>Original research paper</u>

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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		
Minor REVISION comments	<p>The manuscript shows a study of seed oils from ten native Nigeria plants through FT-infrared spectroscopy. This kind of study has increased in importance due the various applications of the substances present in the seed of plants around the world. In Africa, in particular, there is a great number of plants whose characteristics are unknown. I think this kind of research help us to understand aspects of the plants that can be used in several human activities.</p> <p>The work has importance and can be published. However, I have some suggestions in order to improve the presentation:</p> <ol style="list-style-type: none"> 1. <i>The precision of measurements.</i> I think in all wavenumbers author must correct the values. For example, 1365 cm⁻¹ instead of 1364.68 cm⁻¹, etc. 2. I think the spectra must be improved. 3. I think the Table 1 is not necessary, "Some common illegitimate absorption bands in infrared spectrum". I suggest to cut off this table. 4. Although the computer program, eventually, gives a precision of two decimal numbers for the wavenumber of the bands, in fact, there is no such precision. So, in table 2, I suggest to correct all wavenumbers, cutting all decimal numbers. 5. I have as last suggestion a paragraph to be added at the end of the paper, as follows: "In the present work we have investigated the FT-IR spectra of seed oils from <i>Adansonia digitata</i>, <i>Ricinus communis</i>, <i>Sesamum indicum</i>, <i>Jatropha curcas</i>, <i>Allium cepa</i>, <i>Cucumis melo</i>, <i>Lannea microcarpa</i>, <i>Lagenaria Vulgaris</i> and <i>Sesamun indicum</i>. This study allow us to characterize the vibrations of the main constituents of the oils, improving the knowledge about important natural substances". 	
Optional/General comments		

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