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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	**Original research paper**

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	**It is well known that the composition of an essential oil may have considerable variation due to climate, growth period, plant parts analysed, cultivar etc. Equally important is the fact that essential oils are mixtures of, in some cases 50 or more analytes. Without an analysis of the essential oil using the traditional method of GC-MS it would be most difficult to compare the FTIR spectra of different essential oils and draw scientific conclusions In terms of comparing the FTIR of one essential oil with another. For example the presence of a strong carbonyl absorption would suggest the presence of a compound containing ketone, aldehyde, ester or carboxylic acid functional group. The actual position and strength of the absorption could then be used to support the presence of one compound over another. With mixtures these bands however will broaden making it impossible define a particular class of compounds. Now that GC-MS is available as a research tool there is little justification for not using a combination of FTIR and GC-MS In the analysis of an essential oil.**	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

Name:	***Jack D. Williams***
Department, University & Country	***Mercyhurst University, USA***