



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	Ms_IRJPAC_40938
Title of the Manuscript:	Physico chemical properties and chemical constituent Characterization of Moringa oleifera Seed oil from Benue state, Nigeria, extracted using cold and soxhlet 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:

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

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)
<u>Compulsory</u> REVISION comments	1. Introduction is too long. You should emphasize on the seed oil. 2. How were peroxide value and moisture content measured? 3. In table 1, what are the meaning of super-subscripted a and b? Why did you report the values of variation? Are they just the mean difference? Why do not you show the p-values instead? 4. Discussion mixed in results is also too long. Comparison of your results with codex standard and AOCS may be added in table 1 or another table. 5. For the GC/MS results, why did you choose to express the results as "components amounting to 100%"? Because for an oil producer, only cold extract or hexane extract will be used. How could the producers know which one give more of their wanted compounds? 6. Did the detecting compounds by GC/MS come from both polar and non-polar columns? Was there a compound detected in both cold extract oil and hexane extract? If so, was this compound presented in the same amount? Because using different solvents but the same GC parameter can give different results.	Agreed with the comments, observations and correction s effected accordingly. The super-subscripted a and b are just showing the significant differences between the two results and the values of variation is showing how wide the difference is. The components present in each of the oils extracted by the two different methods were assumed to amount to 100%. From the result on table 2, more components were found in oil extracted by cold press method (6); that of hexane extracted method was 3. No similar compound was detected in both cold and hexane extracted oil.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		