



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2014_IRJPAC_9869
Title of the Manuscript:	Separation of Palmitic and Palmitoleic Acid and their FAMES using Transition Metal Salts
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.

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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	This sentence (abstract) require revision it's too long and confusing, <i>Analysis of variance for both parts of the study showed that the difference in amount of precipitation of fatty acids was significant ($P < 0.001$) while the ~~property of complex formation properties of between the metal with~~ and the olefinic double bond wasn't significant ($P > 0.1$) in the two-phase, organic-aqueous system used.</i> The abstracts needs revision authors just included background, methodology and results. They should include conclusion and recommendations. Revise sentences, lines (42 and 43) Apart from in chromatographic separations, ~~the property of silver ion complexation~~ propertiors with olefinic double bonds has been used to extract fatty acid ester derivatives from various organic solvents Lines 51 and 52, For example, alkali metal hydroxides paired with precipitation by alkaline earth metal salt has been used to separate free fatty acids in the form of insoluble fatty acid salts. The overall meaning is distorted Another method adaptable for large..... Another efficient method for large scale separation.... Repetition please revise The background is not written properly, the problem to be tackled should be described candidly I guess the method proposed should be better than what is already there however reading the background leaves the reader wondering why look for a different one when the present methods are efficient methods for large scale separation AUTHORS SHOULD REVIEW CURRENT METHODS-TALK ABOUT REASONS FOR AND AGAINST METHODS and justify the need to develop another one	- The Abstract was revised to be more concise while accommodating the suggestions. - The sentences were revised as suggested- line 39 - The lines were revised to convey the meanings with more clarity. Repetition revised. Line 48 and 49 -Corrected. - The background was revised to depict limitations of current technologies and how the proposed methods would alleviate these limitations (lines 71 to 77).



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Minor REVISION comments	This topic may just read as follows 2.2 Evaluating formation of precipitates of metal salts with fatty acids. GC-FID should be defined if it is gas chromatography flame ionization detection normally chromatographic conditions are spelt out for such studies. Line 193-196, it can be seen that there's a specific pattern in the differences in the decrease of fatty acid concentrations, with the silver ion being the most effective is in separating out the unsaturated fatty acid than the saturated one, followed by copper while blank solution is the least effective for the desired separation. Line 197 ~~We can see~~ It can be seen from table 1 that the model is not significant at any of the time response/interval. Line 220 One of the reasons of this variation may be due to the fact that the complexes formed between the FAME and the metal ion ~~being~~ are not strong enough, Line 253 revise We can see that the addition of silver nitrate, copper sulphate and zinc sulphate into the system is successful for separating out one type fatty acid more than the other	
Optional/General comments	Avoid personalising WE CAN SEE its not scientific replace by It can be seen that..... I am sure the overall aim of this study was to develop another method for separating palmitic and palmitoleic acid and their FAMES it was going to be the best if results of this method would be compared with results of the other methods currently in use discussed in the paper.	