



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	Ms_ACSJ_29458
Title of the Manuscript:	Chromatographic characterization of potential feedstocks for biodiesel production
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>)



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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)
<u>Compulsory</u> REVISION comments	Spelling mistakes: Transesterification, poly	The manuscript was reviewed and errors found were corrected.
<u>Minor</u> REVISION comments	Introductory section: Gas chromatography aspects should be incorporated in introduction section. Factor affecting the yield of biodiesel production: (briefly discussed) Results: 1. The physical properties of biodiesels: pour point, cloud point, cetane number, acid number of discussed feedstocks. Should be discussed for better quality of biodiesel. 2. Parameters effecting transesterification process like physical conditions should be discussed.	Part 1: Introduction Was inserted block on these requests. Part 2: Results We consider these requests unsuitable. This manuscript portrays a technical approach of potential raw materials for biodiesel production, as: 1. Chromatographic characterization of the structures of vegetable oils (castor, jatropha, soy and cotton) and waste greases (beef tallow and chicken fat), bringing their percentage grease compositions; 2. The calculation of molar masses of these inputs (facilitate future studies of associated research); 3. Calculation of oxidisability index (OI), very important for predicting the oxidative stability of saponifiable fatty material, potentially used to produce biodiesel.
<u>Optional/General</u> comments	In my point of view, Overall manuscript is satisfactory. The chemical characterization is performed by chromatographic and other techniques like spectrometric which decide the quick analysis of fatty acid composition and quality of biodiesel produced.	The manuscript aims to cater to a wide audience through a text in plain language, while putting the relevant scientific information to this scientific area.