



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2013_IRJPAC_8592
Title of the Manuscript:	CHARACTERIZATION OF BIOACTIVE SESQUITERPENES AND ORGANIC ACIDS AND THEIR DERIVATIVES FROM THE LEAVES OF PSIDIUM GUAJAVA LINN
Type of the Article	original

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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(<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	1. Line 40 Experimental: I have not found the data acquired by GC-FID, and so the relevant experimental conditions is superfluous. Delete it. The Temp. of the injector is too low (230°C) Are you sure that N₂ is used as the carrier gas in the GC-MS instrument? Are you sure that the carrier rate is 50 mL/min in the capillary column? Please add the option conditions of the MS, such as the temperature of the EI source, the EI energy, the mass scan range, ... 2. In Figure 1, we can conclude that temperature programming of GC is not proper from the TIC. And from more than 14 components have been detected, but the authors only characterized 14 compounds. So, the (relative) peak area in Table 1 must be wrong. Recalculate them, $\text{area \%} = \frac{A_i}{\sum A_i} * 100\%$ 3. In Table 1, add the probability of the research result for any components. 4. Since the GC-MS is the routine MS instrument, not the high resolution MS spectrometer, the measured <i>m/z</i> ratio should be integral number. In Line 79, 82, 88, 95, 103 and 105, amend the <i>m/z</i> ratio. 5. Add the section of conclusion.	ok Corrections have been made. ok There was an error in the temperature programming and corrections have been made. 14 components were actually detected by the machine. The % peak area in Table 1 is absolutely correct. For the avoidance of doubts we can forward the detailed information as it were from the GC-MS machine if you need it. From the peak area, the probability of each component can be deciphered. ok ok
Minor REVISION comments	1. Line 1, the title "CHARACTERIZATION OF BIOACTIVE COMPONENTS FROM THE LEAVES OF PSIDIUM GUAJAVA LINN BY GC-MS" should be more proper. 2. Line 5, "The isopropanolic extract of the leaves of Psidium guajava L. was analyzed by Gas chromatography-mass spectrometry (GC-MS). Fourteen different phytochemical compounds have been characterized, including"	We prefer to retain the title. Thanks. Ok ok



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	3. Line 21, “ the treatment and/or management of the health problems” 4. Line 24, “been proven to ...”	ok ok
<u>Optional/General</u> comments	Psidium guajava L. is widely used as the herbal medicine. This work describes the GC-MS analysis results of the isopropanolic extract of the leaves of Psidium guajava L., and 14 bioactive components have been characterized. However, the experiment was carried out in an inappropriate condition and the English writing is poor. I think that the manuscript should be prior to publication	The work was done in an appropriate condition; there was a mix up with another spectral result. Corrections have been effected. Thanks for your thorough review.