

## Review Form 1.7

Journal Name:	<b>Asian Plant Research Journal</b>
Manuscript Number:	<b>Ms_APRJ_96913</b>
Title of the Manuscript:	<b>Evaluation of the Phytochemical and Proximate Composition of Fruit of False Yam (<i>Icacina senegalensis</i>) and African Star Apple (<i>Chrysophyllum albidum</i>)</b>
Type of the 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:

(<https://www.journalapj.com/index.php/APRJ/editorial-policy> )

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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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>It is important to develop research on the properties of various raw materials with possible applications in the area of health and biotechnology. Describe the properties of endemic plants could benefit and contribute to the development of the local population</b></p> <p>yes</p> <p>yes</p> <p>yes</p> <p>yes, It is necessary to improve the analysis of statistical data with comparison of means and to verify the presentation of errors. It is necessary to establish the criteria or comparison values in the results obtained.</p> <p>It is suggested to use more up-to-date similar references.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>yes</p>	
<p><b>Optional/General</b> comments</p>	<p>It is suggested to verify the use of significant figures in the errors of the experimental data.</p> <p>It is suggested to mention the criteria used to determine the abundance of the phytochemical compounds in the samples or comparison value.</p> <p>It is suggested to use a test of comparison of means of the data to verify statistical differences.</p> <p>in 4. it is written: "There are higher amounts of alkaloids in pulp, seed and bark of C. albidum as compared to the moderate amounts of alkaloids in the pulp, seeds and bark of I. senegalensis." It is suggested to mention the reference value or parameter to establish a high, medium or low value. Could you establish a % difference between compared data?</p> <p>In 4. It is written: "The tannin composition was higher in the parts of I. senegalensis studied compared to C. albidum." If the same component is compared, it is suggested to determine and express the difference or % change between samples.</p> <p>In 4. It is written: "Fat content in I. senegalensis was reasonably high but was moderate in C. albidum, therefore, both plants can be a good source of fat for body nutrition". Specify the reference or comparison value according to the bibliography</p> <p>In 4. It is written: "Moisture content of the food material is an important factor to consider before the food is deemed suitable for consumption, because moisture content affects the physical and chemical quality of food which in turn affects the freshness of the food material and its stability for</p>	

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	<p>the storage for a long period of time". Were storage tests performed on the samples?</p> <p>In 4. It is written: "The moderate moisture content of <i>Icacina senegalensis</i> and <i>Chrysophyllum albidum</i> suggests that they can be stored for quite a period of time before spoilage sets in". How was the moderate humidity value determined in the analyzed samples? It is suggested to establish a comparison from a similar sample. Can the moderate humidity value be constant or vary with some environmental factor?</p> <p>In 4. it is written: "Magnesium is essential for more than 300 biochemical reactions in the body. It helps to maintain normal nerve and muscle function, supports a healthy immune system, keeps the heart beat steady, and helps bones remain strong" Specify reference bibliography</p> <p>In 4. it is written: "The mineral content result revealed high composition of calcium in the pulp (309.93±0.714mg/100g and 144.23±2.970mg/100g), seed (302.87±2.19mg/100g and 215.35±1.457mg/100g) and bark (299.72±0.092mg/100g and 277.11±1.449mg/100g) of <i>I. senegalensis</i> and <i>C. albidum</i> respectively." As there is no comparison, it is suggested to only cite the table to avoid repeated information, the same happens in other sections</p> <p>In 4. It is written: "table 3.4" no existe la tabla indicada en el documento.</p> <p>In 4. it is written: "It's essential for blood clotting." It could be the raw material used; a good candidate to supply this mineral?</p> <p>In 4. it is written: "Iron is a component of haeme in haemoglobin and myoglobin, which are essential for O2 transport, energy metabolism, cell proliferation, and immune defense against pathogens." It is not related to what was previously discussed. Additionally, it is not cited.</p> <p>In 4. it is written: "constipation, etc when consumed" missing punctuation mark</p>	
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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Rogelio Pérez-Cadena</b>
Department, University & Country	<b>UPMH, México</b>