



SDI Review Form 1.6

Journal Name:	Asian Journal of Research in Biochemistry
Manuscript Number:	Ms_AJRB_62994
Title of the Manuscript:	Chemical Profile of the Stem Extract of Costus afer (Bush Cane) from Imo State in Nigeria
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/journal/10/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)
Compulsory REVISION comments	<p>The work has merit, however it needs some adjustments to get better:</p> <p>In the fourth paragraph of the introduction, the following text of the first sentence is repeated (It is a useful medicinal plant that is highly valued for its anti-diabetic, anti-inflammatory and anti-arthritic properties in South-East and South-West Nigeria [44]) and must be removed.</p> <p>I noticed that there is an absence of works of the species <i>Costus afer</i> stem, because you mention other plants of different species or genera in your discussion. You should use works of the <i>Costus afer</i> stem species to support your data.</p> <p>I found some works that you can use to improve your text:</p> <p>Ukpabi Chibueze, F., et al. "Phytochemical composition of <i>Costus afer</i> extract and its alleviation of carbon tetrachloride – Induced hepatic oxidative stress and toxicity." <i>International Journal of Modern Botany</i> 2.5 (2012): 120-126.</p> <p>Anyasor, Godswill N., et al. "Phytochemical constituents and antioxidant activities of aqueous and methanol stem extracts of <i>Costus afer</i> Ker Gawl. (Costaceae)." <i>African Journal of Biotechnology</i> 9.31 (2010): 4880-4884.</p> <p>Uchegbu, Rosemary I., et al. "Chemical composition of the stem extract of <i>Costus afer</i> (Bush Cane) and its antimicrobial activity." <i>Journal of Pharmaceutical Research International</i> (2016): 1-9.</p> <p>Boison, Daniel, et al. "<i>Costus afer</i>: A Systematic Review of Evidence-Based Data in support of Its Medicinal Relevance." <i>Scientifica</i> 2019 (2019).</p>	
Minor REVISION comments	<p>In the introduction you mention that the plant can be confused with real ginger, but you do not use his work at any point in the discussion.</p> <p>In the second paragraph of the item Phytochemical profile of <i>Costus afer</i> stem you mention methyl morphine and narcotine as the main alkaloids identified in <i>Costus afer</i> stem, but in the text you do not associate the antitussive effect of these substances with the popular medicinal use of this plant. Discuss this association better for other phytochemical findings.</p> <p>In the last paragraph of the item Phytochemical profile of <i>Costus afer</i> stem, it would be good to check the therapeutic range for cardiac glycosides and add something about their consumption and possible digitalis intoxication.</p>	
Optional/General comments		



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PART 2:

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

Reviewer Details:

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