



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_21822
Title of the Manuscript:	Elemental Composition and Phytochemical Studies of Aqueous Leaf Extract and Stem Bark Extract of <i>Crateva adansonii</i>
Type of the Article	Research 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)
Compulsory REVISION comments	The manuscript titled "Elemental Composition and Phytochemical Studies of Aqueous Leaf Extract and Stem Bark Extract of <i>Crateva adansonii</i>" describes chemical analysis of relevant elements and chemical compounds contained in parts of the plant. The manuscript is poorly written in English (see line 10 beginning with "While", "experimental membrane peroxidation" at line 32, etc. here and there in the text). Some inconsistencies are present (e.g. magnesium+ instead of magnesium++) on the chemistry aspects. Moreover, Authors mention a balance between anions and cations, however: how anions have been determined in the samples? The analytical method and what apparatus and which experimental conditions have been used are not mentioned (atomic absorption analysis, experimental procedure, sample preparation, how many samples have been analysed, type of apparatus used, conditions, etc.). Paragraph 2.3 should contain the experimental procedure. The comments on the atomic absorption are unnecessary. No details are given for the chemical analysis (experimental section, materials and methods, etc.) and for the exact quantification on the organic compounds mentioned: the determinations are qualitative and instrumental technique should be needed to confirm and substantiate the reported data. The phytochemical screening is only qualitative (see Table 1): a complete assessment would be required to justify and substantiate the purpose of the manuscript and implications (see title of the manuscript). Authors mention "Phytochemical analysis": where are the data and experimental procedure used to determine the composition. Which compounds have been identified and proven effective to justify the claims as reported in the Discussion section of the manuscript? The elemental composition is discussed while the organic compounds mentioned activity is not substantiated by data in a clear way. Conclusion section is not fully supported by the observations reported	We agree with the reviewer's comments so far. We have also modified the title. We have revised and made all the corrections. See the attached copy. See also the modification of the title. We have corrected line 10 to read: Tannins, alkaloids, steroids and terpenoids were present only in the leaf extracts, while carbohydrate was found only in the stem bark extracts. I have corrected all the wrong English pointed out by you. The manuscript is written in a better English. Magnesium ion is now written this way: Mg^{2+}. Anions were determined using FAAS method of analysis after sample digestion. . I have stated how anions were obtained in the work....400 leaves were used , while 100 stem barks were used. These were obtained from one of the plants. I have removed the comments on AAS. I have rewritten paragraph 2.3 to contain experimental procedures. I have given details for experimental sections materials and methods. I have stated the instrumental techniques I have modified the title to read; Elemental Composition and Phytochemical Screening of Aqueous Leaf Extract and Stem Bark Extract of <i>Crateva adansonii</i> Instead of Elemental Composition and Phytochemical analysis of Aqueous Leaf Extract and Stem Bark Extract of <i>Crateva adansonii</i>, based on the title now, I may not include the complete assessment again since it



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	in the manuscript and it should be re written properly.	is a preliminary investigation tannins. and alkaloids have been identified and proven effective in treating diarrhoea and malaria.The compound involved have been mentioned. I have rewritten the conclusion in a way that it is now fully supported by the observations. Conclusion: The results gotten so far showed that <i>Crateva adansonii</i> contains some bioactive components which include tannins, alkaloids, saponins, steroids, terpenoids, flavonoids and some microelements .The plant may therefore have some medicinal values based on the above bioactive constituents which were observed in the leaves and stem barks extracts of the plant.
<u>Minor</u> REVISION comments	n/a	
<u>Optional/General</u> comments	n/a	