



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">International Journal of Biochemistry Research &amp; Review</a>                                       |
| Manuscript Number:       | 2014_IJBcRR_11882                                                                                                 |
| Title of the Manuscript: | <b><i>IN VITRO</i> ANTIMICROBIAL EFFECT OF CRUDE TANNINS ISOLATED FROM THE LEAF OF <i>ANNONA SENEGALENSIS</i></b> |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compulsory</b> REVISION comments | <p>The manuscript focuses on an important issue. However, some corrections and explanations are necessary.</p> <p>Line 55: It is important to mention that the country is Nigeria.</p> <p>The organization of the methods to be revised, as well as subtitles.</p> <p>Line 59: The authors mention that the bacteria are of the microbiology department. They were standardized (ATCC) were isolated and local sources? It is important to clarify, because microbial resistance varies depending on the strain used.</p> <p>I suggest replacing the title "Preparation of the Extracts" (line 62) to "Preparation of the Extracts to Phytochemical Analysis".</p> <p>Delete content between lines 80 and 86. Add the name of the manufacturer of the culture medium and mention that this was prepared according to the manufacturer's instructions.</p> <p>Describe how the wells were made on the surface of nutrient agar plates.</p> <p>Rewrite this item (lines 89-96) to better understand the text. What was the number of replicates performed (n)?</p> | <p>All the observed corrections were effected.</p> <p>Five (5) difference concentrations of extracted tannins were prepared and used for the study (MIC).</p> <p>Result: The percentage composition of tannins was obtained after the leaves were dried and pounded into a powder form.</p> <p>Discussion: All the issues discussed are necessary because phytochemicals present in the leaf were determined that is why their uses and mode action were discussed. The activity of the isolated crude tannins on the test bacteria was also discussed.</p> <p>The opinion of the authors is that the result may be different due to environmental changes.</p> |



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|                                  | <p>How many wells per plate were made?<br/> What was the number of replicates performed for the determination of MIC (n)? At this stage of the study, the authors viewed culture medium was turbid when the extract was added? Some precipitate occurred?<br/> Line 105: The authors say "diluted to give a final concentration of cell per ml." What did they mean by that?</p> <p>Results: When the authors say that the tannin content is 24%, this quantity is related to the dry weight? Or fresh leaf? When the extract was obtained, the authors used fresh leaves. The water content does not affect this percentage?<br/> The formatting of the tables need to be improved.<br/> Discussion:<br/> The discussion is extensive, but the results were little explored. It is important to review the content of the discussion and focus on the bacteria used in the study. Some parts are unnecessary.<br/> It is necessary to revise the language of the entire manuscript.<br/> What is the opinion of the authors on the results, if the leaves of <i>Annona senegalensis</i> were obtained in another region or other growing conditions?</p> |  |
| <b>Minor</b> REVISION comments   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Optional/General</b> comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |