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| Journal Name: | South Asian Research Journal of Natural Products |
| Manuscript Number: | **Ms_SARJNP_45603** |
| Title of the Manuscript: | **PHYTOCHEMICAL SCREENING AND ANTIMICROBIAL ACTIVITY OF ETHANOL AND AQUEOUS EXTRACT OF Annano muricata LEAVES.** |
| 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)

SDI Review Form 1.6

**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)* |
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| **Compulsory** REVISION comments | In general the manuscript is poorly written and needs a massive orthography and grammar revision. | Okay |
| | **Abstract** | |
| | **"**reasonable zone of inhibition"<br>when we discuss results numerically, we should avoid our opinion, by retrieving subjective terms like "reasonable" or "good" or "worst". These subjective terms were alsoo found at page 3 ("good antimicrobial activity") and 7 ("reasonable zone of inhibition"). | Noted and corrected |
| | Still at the abstract, you did not mentioned the positive control used at the antimicrobial assay (amoxicilline). Which shoul be also mentioned at tables/figures 2 and 3 for a better data comparison against the extracts. | Noted and corrected |
| | **Introduction**: | |
| | **"**herbal medicines have been reported safe and without any adverse side effect"<br>this statement is not true, herbal drugs may cause side effects, to be sure that they are safe, toxicological experiments may be conducted. | It has few side effect as compared to synthetic drugs |
| | "The primary compounds include Proteins, Chlorophyll and common sugars while the secondary compounds have terpenoids, alkaloids and phenolic compounds"<br>You should develop more what secondary metabolites are or represent, here you have just mentioned examples | Okay |
| | **Material and methods**: | |
| | Sample extraction: | |
| | "The extract were then filtered first through a whatmann filter paper No. 42 (125mm) and then through cotton wool"<br><br>Why submit the extract through two filtrations ? | Noted and corrected |
| | Test Organisms: | |
| | "The bacterial used include Escherichia coli, Staphylococcus aureus, Staphylococcus epidemidis, Proteus vulgari, Salmonella typhi. And MRSA" Were those microrganisms obtained from any particular collection? (ATCC) ? Were they standardized ? | |
| | Results and discussion: | |
| | "the preliminary phytochemicals investigation revealed that most of the bioactive compounds tested for, were present in the ethanolic and Aqueous extract of *Annano Muricata* leaves of the plant. Saponins, tannins, flavonoids, alkaloids, **volatile oils** and triterpenes were found"<br><br>How could you detect volatile oils from an extract obtained from dried leaves? | Noted and corrected |

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| | "followed by *S. typhi* (25mm) on an Aqueous extract while the ethanol extract showed (21mm) on the same organism also on the same concentration (0.5mg/ml)"<br><br>The concentration to which you refer, would not be 1 mg/mL?<br><br>"The results of this work agrees with the work of (Dahiru *et al*., 2013) that the highest zone of inhibition produced by the ethanol extract demonstrate that ethanol was a better extracting medium for the phytochemical with antimicrobial activity"<br><br>I would not affirm that the ethanol extract was better than the aqueous extract, once the aqueous extract have demonstrated higher inhibition zones concerning *S. epidermidis, S. typhi* and *S. aureus*.<br><br>Additionally the inhibitory doses were too high, demonstrating that the results were not so efficient. | Noted and corrected |
| **Minor** REVISION comments | **Abstract**<br><br>**"**of the ethanol and aqueous extract of *Annano muricata* were extracted" The extract were extracted ? what did you mean by that ? reformulate this phrase<br><br>**"**revealed the present of Alkaloid" replace present for presence.<br><br>**Materials and methods** :<br><br>Results and discussion:<br><br>"Flavonoids, terpenes and alkaloid are known to have antimicrobial and bactericidal properties against several"<br><br>Several what ?<br><br>Results and discussion:<br><br>Replace *Staphylococcus epidemidis* to *Staphylococcus epidermidis* | Done<br><br>Noted and corrected<br><br>Done |
| **Optional/General** comments | | |

**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)* |
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| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* | |