



SDI Review Form 1.6

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 <i>Annano muricata</i> LEAVES.
Type of the Article	Original Research Article

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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:

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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>In general the manuscript is poorly written and needs a massive orthography and grammar revision.</p> <p>Abstract</p> <p>“reasonable zone of inhibition” when we discuss results numerically, we should avoid our opinion, by retrieving subjective terms like “reasonable” or “good” or “worst”. These subjective terms were also found at page 3 (“good antimicrobial activity”) and 7 (“reasonable zone of inhibition”).</p> <p>Still at the abstract, you did not mentioned the positive control used at the antimicrobial assay (amoxicilline). Which should be also mentioned at tables/figures 2 and 3 for a better data comparison against the extracts.</p> <p>Introduction:</p> <p>“herbal medicines have been reported safe and without any adverse side effect” this statement is not true, herbal drugs may cause side effects, to be sure that they are safe, toxicological experiments may be conducted.</p> <p>“The primary compounds include Proteins, Chlorophyll and common sugars while the secondary compounds have terpenoids, alkaloids and phenolic compounds” You should develop more what secondary metabolites are or represent, here you have just mentioned examples</p> <p>Material and methods:</p> <p>Sample extraction:</p> <p>“The extract were then filtered first through a whatmann filter paper No. 42 (125mm) and then through cotton wool”</p> <p>Why submit the extract through two filtrations ?</p> <p>Test Organisms:</p> <p>“The bacterial used include Escherichia coli, Staphylococcus aureus, Staphylococcus epidemidis, Proteus vulgari, Salmonella typhi. And MRSA” Were those microorganisms obtained from any particular collection? (ATCC) ? Were they standardized ?</p> <p>Results and discussion:</p> <p>“the preliminary phytochemicals investigation revealed that most of the bioactive compounds tested for, were present in the ethanolic and Aqueous extract of <i>Annano Muricata</i> leaves of the plant. Saponins, tannins, flavonoids, alkaloids, volatile oils and triterpenes were found”</p> <p>How could you detect volatile oils from an extract obtained from dried leaves ?</p> <p>“followed by <i>S. typhi</i> (25mm) on an Aqueous extract while the ethanol extract showed (21mm) on the same organism also on the same <u>concentration (0.5mg/ml)</u>”</p> <p>The concentration to which you refer, would not be 1 mg/mL?</p> <p>“The results of this work agrees with the work of (Dahiru <i>et al.</i>, 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</p>	



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	<p>activity”</p> <p>I would not affirm that the ethanol extract was better than the aqueous extract, once the aqueous extract have demonstrated higher inhibition zones concerning <i>S. epidermidis</i>, <i>S. typhi</i> and <i>S. aureus</i>.</p> <p>Additionally the inhibitory doses were too high, demonstrating that the results were not so efficient.</p>	
Minor REVISION comments	<p>Abstract</p> <p>“of the ethanol and aqueous extract of <i>Annano muricata</i> were extracted” The extract were extracted ? what did you mean by that ? reformulate this phrase</p> <p>“revealed the present of Alkaloid” replace present for presence.</p> <p>Materials and methods :</p> <p>Results and discussion: “Flavonoids, terpenes and alkaloid are known to have antimicrobial and bactericidal properties against several” Several what ?</p> <p>Results and discussion:</p> <p>Replace <i>Staphylococcus epidemidis</i> to <i>Staphylococcus epidermidis</i></p>	
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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Augusto Lopes Souto
Department, University & Country	Universidade Federal do Rio Grande Do Norte, Brazil