



SDI Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_50435
Title of the Manuscript:	Phytochemical and Pharmacological Potential of <i>Enhydra fluctuans</i> available in Bangladesh
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)
Compulsory REVISION comments	<p>Kindly refer to the comments/suggestions as stated in the manuscript.</p> <p>"But there are insufficient records in literature of this plant, regarding its pharmacological activities and phytochemical characteristics" is the statement true.</p> <p>"<i>Enhydrafluctuans</i> leaves were collected from Narayangonj, Bangladesh on February 2015. Plant was identified by experts"-state the name and designation</p> <p>"This difference of weight before and after clot lysis was expressed as percentage of clot lysis as shown below"-include reference for the formula.</p> <p>"The percentage inhibition or acceleration of hemolysis was calculated according to the equation"- include reference for the formula</p> <p>"The percentage inhibition of hemolysis or membrane stabilization was calculated using the following equation"- include reference for the formula</p> <p>"...and two fungal strains (<i>Aspergillus niger</i> and <i>Aspergillus flavus</i>) were collected as pure cultures"- state culture agar and conditions for assay</p> <p>The absorbance was determined at 517 nm and percentage of inhibition was calculated by using the following equation"- include the reference</p> <p>Vincristine sulfate was used as positive control in this assay to compare the cytotoxicity of the test samples"- state the culture method and medium used for the assay</p> <p>Preliminary phytochemical screening evidences the presence of alkaloids, saponins, tannins, flavonoids, reducing sugar and gums (Table 1)-state the amount: low, intermediate or highly presence!</p> <p>When compared with the negative control (water) the mean of percentage (%) of clot lysis was significant ($p < 0.001$). Figure 1 shows"- describe the figure in detail! Please explain Figures 2 and 3 in the paragraph!</p> <p>Figure 2: The figures y-axis and x-axis are not labelled. Standardize the fonts and format!</p> <p>Please state the ATCC number for the bacteria?</p>	<p>Thank you for the comment. <i>Enhydra fluctuans</i> is an edible herb with several medicinal properties. Different investigations have been carried out in the Indian subcontinent and African regions to identify its chemical constituents that exhibit these medicinal properties. But very few investigations have been carried out on pharmacological activities and phytochemical characteristics of <i>Enhydra fluctuans</i> plant collected from Bangladesh. So, we modified the statement accordingly.</p> <p>We have hidden the name and designation of the expert for the journal's blind peer review policy. The plant was identified by expert botanist Mr. Jasim Uddin Chowdhury, ex-director BCSIR Laboratories, Dhaka. Reference has been included in the formula.</p> <p>Reference has been included in the formula.</p> <p>The agar medium and temperature conditions required to culture both bacteria and fungi have been elaborated in the Materials and Methods section. Reference has been included in the formula.</p> <p>Thanks to the reviewer for the comment. We have used in vitro cytotoxicity experiment using brine shrimp lethality bioassay method. The toxicity of the plant extract to the <i>Artemia salina</i> naupli was tested here in simulated sea water. The hatching media for shrimp had been stated in the "Materials and Methods" section.</p> <p>Thanks to the reviewer for the comment. In the phytochemical screening experiment we only identified the presence or absence of different chemical groups. We did not quantify their presence. So we used "+" sign to indicate presence and "-" sign to indicate absence of different phytoconstituents.</p> <p>Figure 1 has been described in the "Results and Discussions" section.</p> <p>According to the reviewer's suggestion Figures 2 and 3 has been simplified in one figure and termed as Figure 2 which has been described in the paragraph. Figures 2 and 3 has been modified and simplified in one figure which has been termed as Figure 2. y-axis and x-axis of Figures 2 has been labelled and corrected according to the reviewer's suggestion.</p> <p>ATCC number of the bacteria have been added in the "Materials and Methods" section.</p> <p>Thanks to the reviewer for the comment. We explained our cytotoxic activity result in terms of both the previous reports on cytotoxic activity of <i>E. fluctans</i></p>



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	<p>Here, CTCSF fraction was most potent with the lowest LC₅₀ value which is consistent with the existing reports on <i>E. fluctuans</i>” Explanation for your results obtained?</p> <p>Need more explanation and justification for your obtained results.</p> <p>Please consider to proofread your manuscript. Some sentences are unclear.</p>	<p>and our phytochemical screening study.</p> <p>We have explained our results and compare it with previous reports on this plant according to the reviewer's suggestions. We have proofread our manuscript. We revised the manuscript according to the reviewer's suggestions.</p>
Minor REVISION comments		
Optional/General comments		

PART 2:

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