



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_21450
Title of the Manuscript:	IN VITRO AND IN VIVO EVALUATION OF ANTILEISHMANIAL ACTIVITY OF PHYLLANTHUS NIRURI
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)
<u>Compulsory</u> REVISION comments	The submitted manuscript aimed at evaluation of the <i>in vitro</i> and <i>in vivo</i> leishmanicidal activity of <i>Phyllanthus niruri</i> against <i>Leishmania donovani</i> Please, find below some comments to help the authors to improve their manuscript: -Line 9: Please, delete from (and compare the same with sodium stibogluconate) since it is well known that evaluation should be compared to the stander drug.	The needful has been done
<u>Minor</u> REVISION comments	-Line 10: vitro # in vitro -Line 15 : stain 3 strain -Line 17: <i>P. niruri</i> # <i>Phyllanthus niruri</i> Since it is the first time to appear in the text it should be mentioned in full . Later on it can be abbreviated -line 23 : please modify the conclusion to be informative about your results.. -Line 69: was MHOM/IN/80/Dd8 # was <i>Leishmania donovani</i> MHOM/IN/80/Dd8 -Line 70: these strains # this strain -Line 84: cite a reference for preparation of the extracts	The needful has been done The needful has been done The needful has been done The needful has been done The needful has been done The needful has been done The needful has been done



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<u>Optional/General</u> comments	- Line 128: Mice receiving PBS only served as normal controls. Why PBS was used/ they should receive SSV!! -Line 133. 134: (Six mice from each group were sacrificed after a week of treatment. The drug treated animals were sacrificed on 1 and 15 p.t.d) Please. Clarify, The time of scarification should be the same in all groups for comparison. Were they sacrificed 1 or 7 or 15 days post treatment? -Line 176 : (Fig 1: Percentage growth inhibition of plant extract.) the Fig should include the results of positive control(SSG) and normal growth -Line 178: the authors should provide the results of statistical analysis between different groups(comparison of the treated groups with different doses of the plant extract with infected untreated and between each other were provided. What about their comparison with SSG control group(therapeutic control). Please, provide these data. -Line 345,346: please, change the word (drug) since it is not yet a drug , it is a plant extract. Ethical issue: the use of animals (BALB/c mice)	The SSV has also been used as control and it has been found that the levels of liver and kidney enzymes, antibodies levels, DTH responses were in normal range as compared to groups treated with plant extract. Other studies have also shown that carboxymethyl cellulose is safe and non toxic to mice (Sameul et al., 2012) Line 133: The mice were infected with 107 promastigotes. After 30 post infection days, the mice were treated with extract concentrations from 31 to 37 days. The first sacrifice was done on 38th day (1 day post treatment) and second sacrifice was carried on 53rd day (15 days post treatment). The required changes have been done in materials and methods. The needful has been done. There was no growth inhibition in normal controls. Therefore, line graph of SSG and extract has been incorporated in results. The needful has been done The needful has been done
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