



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	2015_IJTDH_16170
Title of the Manuscript:	Analysing host preference behaviour of Phlebotomus argentipes (Diptera: Psychodidae) under the impact of Indoor Residual Spray.
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	1. Line 55 Study period - I suggest the authors to write a brief justification if the mentioned time lapse between pre and post intervention is long enough to cause resistance as stated in the conclusion. 2. I suggest authors to insert explanation for missing controls (untreated) for both pre and post IRS interventions 3. Studies indicate that DDT has both killing and repellence effects. I therefore suggest authors to explain that the observed behavioural change vectors is not only due to repellence avoiding 4. Conclusion – I suggest authors to show more evidence that the stated conclusion is not speculative. HFI and FR alone may not sufficient to say vectors have developed resistance without molecular detection of resistant genes inside the vectors. Unless this is part of other study	1. Justification along with the reference were added in the text 2. Sand flies collected during the Pre-IRS session served as a control (untreated) while those collected during post-IRS session served as insecticide-treated sample for identifying HFI & FR via BMI. Also we had tried out all the study sites with high endemicity, but it was quite difficult to find the unsprayed areas for the study. Hence, we selected these areas for our study subject. 3. Though DDT possess killing effect, under the peer pressure upheld by the insecticide, sand flies shows avoiding behaviour, which is also an indicator of changed behaviour under the impact of DDT. 4. Availability of sand flies at the study site just after the IRS session in itself is an evidence for the development of tolerance among the vectors against IRS. In present study we are focussed on dealing with the behavioural alteration (esp. Feeding behaviour) of sand flies caught from the study site after the IRS session. For that HFI & FR are the sufficient tool to monitor the feeding behaviour transition under the impact of IRS.



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<u>Minor</u> REVISION comments	1. I suggest the symbol & in the abstract and throughout the document be replaced with the proper English word 2. Figure 4 – I suggest deleting the word Fig 4 inside the figure itself	1. Corrected as per the suggestions receive from the reviewer. 2. It is just for the proper placement & adjustment of Figure inside the text & can be deleted during the publication process.
<u>Optional/General</u> comments	It is a very good entomological study	Thanks for appreciating the research work