

### Review Form 3

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_128314
Title of the Manuscript:	Biological activity of the extracts of <i>Capsicum annum</i> and <i>Strophantus hispidus</i> on the development of fruit flies ( <i>Bactrocera dorsalis</i> ) from egg to emergence
Type of the Article	

#### PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	The study is well performed. It has potential applications, especially in mango farming. It does contribute to our knowledge in the field of fruit fly research and biopesticide. However, it must be put in proper shape to increase its scientific impact. I like the follow charts in the paper.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is quite there.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract needs some edits. Please elaborate on the result parts. You have done extensive research, but your abstract does not reflect it. Do add two to three sentences for the results.	
Is the manuscript scientifically, correct? Please write here.	The manuscript contains all the necessary details but lacks the relevant references. The introduction needs to be more elaborate; for example, you mentioned fruit flies are quarantine pests; please define the term so the reader will be informed. Further, please provide details about the activities of the plant extract mentioned in the literature and support your hypothesis that you are using the xyz solvent extract. The statistical part is poorly described; there is no mention of statistical values like p, beta, estimates, etc. You talked about the analysis of variance and did not provide basic stats for that. Please add all important stats regarding the test you performed. You have mentioned R software; please provide a reference for this (you can get a reference by checking in the R console with running code citation (), and for package citation, use citation("package name"). Similarly, please mention the package you used in R to run, the normality test, ANOVA and the non-parametric test.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The manuscript, in many places, lacks the relevant reference. You mentioned, for example, in the introduction, that "The insecticidal, larvicidal, ovicidal, sterilising, anti-palatable and repellent effects of <i>C. annum</i> were extensively investigated", but here you did not provide any references. Like this, many statements are without reference please add references at relevant places.	

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Is the language/English quality of the article suitable for scholarly communications?	The language is decent and could be improved, though. However, the first thing is to make the article in shape with the comments given.	
<u>Optional/General</u> comments	The study is good and impactful however, authors need to shape it properly. The abstract must be rewritten and should reflect the major results. The introduction is a little vague and needs to be enriched with more information that supports the two extracts used in the study. The discussion part on the same line is poorly written please incorporate more references and connect them to the study results. The method section is excellent but needs proper references at the relevant places. The statistical section needs to report proper statistical values.  SEE ATTACHMENT	

### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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:

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