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| Journal Name: | [**Asian Journal of Research in Biochemistry**](https://journalajrb.com/index.php/AJRB) |
| Manuscript Number: | **Ms\_AJRB\_133673** |
| Title of the Manuscript: | **Insecticidal effects of aqueous extracts of Carica papaya, Tithonia diversifolia and Strychnos spinosa leaves on the population density of Aphis gossypii and the foraging activity of Apis mellifera on bell pepper in Ngaoundéré - Cameroon.** |
| Type of the Article |  |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **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.** | **From my perspective, this manuscript is important to the scientific community for the following reasons:**   1. **Consider that species originally used for food or medicinal purposes have certain characteristics that must be clarified in order to identify their applications as insecticides.** 2. **Insecticides created from species commonly used as food or medicine today promise, under the guidelines of sustainability, to be an attractive element for improving the conditions in which communities around the world thrive.** 3. **Pest species that affect crops, such as Aphis gossypii, must be studied and treated based on local considerations. Science acts at the local level, trying to resolve these situations under local environmental conditions.** 4. **Species such as Apis mellifera and their harvesting activity should not be affected. These scientific studies provide options for bees to develop their activity as pollinators and honey producers.** 5. **For Science it is important to determine which crops are best to develop some type of insecticide with local alternatives.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Consider that the title is correct since it defines the way in which the insecticide will be used as well as the three species of interest with which it will be manufactured and the target product in which it will be applied, it intends the direct effect on the pest but not on the harvest that the honey bee makes.** |  |
| **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 has six sections, a total of 333 words, so I consider the numerals correct and appropriate for an abstract.**  **As for the other sections, they seem correct. I only mention the final section, the conclusions, which I indicate in the cell on the right.**  **“Apis mellifera was the most dominant pollinator, while Aphis gossypii was the major pest. (here) To …”**  **After the word "pest," I recommend adding whether there was any other effect on the bees or not. You can state in one line whether there was a positive effect and why. "Perhaps in addition to abundance, there is an effect on the concentration of the crop in certain areas of the plant, or perhaps certain hours exactly within the time interval that indicates greater**  **dominance."** |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is balanced in terms of the components of a research paper. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | References  It presents a total of 34 references. It is necessary to update and include references from the last five years starting in 2025.  The references are from the following years:  - 1977 (1),  - 1984 (1); 1989 (1)  - 1991 (1); 1993 (1)  - 2001 (1); 2003 (1); 2005 (2); 2010 (1); 2011 (2); 2012 (3); 2013 (1); 2014 (6); 2015 (4); 2016 (1); 2017 (2);  2018 (1); 2019 (2)  - 2020 (2).  It is mandatory that it must include references ranging from 2020 to 2025 |  |

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| **Is the language/English quality of the article suitable for scholarly communications?** | It is a suitable English.  There are no spelling or writing problems. The ideas are understandable and clear enough for a scholarly reader. |  |
| **Optional/General** comments | **No comments** |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with the 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?** | *(If yes, Kindly please write down the ethical issues here in detail)*  No |  |

**Reviewer Details:**

**Héctor Tecumshé Mojica Zárate, Universidad Autónoma Chapingo, México**