

Review Form 3

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| Journal Name: | Advances in Research |
| Manuscript Number: | Ms_AIR_129116 |
| Title of the Manuscript: | Influence of several bee attractants on the attractiveness of Indian honey bee, <i>Apis cerana indica</i> and their effect on seed yield of niger [<i>Guizotia abyssinica</i> (L.f.) Cass] crop |
| Type of the Article | Original research paper |

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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Benefits for Reviewers: <https://r1.reviewerhub.org/benefits-for-reviewers>

PART 1: Comments

| | Reviewer's comment | 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. | This manuscript holds significant importance for the scientific community as it addresses the critical role of Indian honey bees (<i>Apis cerana indica</i>) in enhancing the productivity of an underutilized yet valuable oilseed crop, Niger (<i>Guizotia abyssinica</i>). By evaluating the efficacy of various bee attractants, the study provides insights into optimizing pollination services, which are crucial for improving seed yield and ensuring sustainable agricultural practices. Furthermore, the findings contribute to the broader understanding of pollinator behavior and their interaction with crops, offering practical solutions to mitigate pollination deficits. This research also has implications for promoting eco-friendly and cost-effective methods to boost agricultural productivity, particularly in resource-limited settings. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | Yes but I am suggesting this title Evaluation of Various Bee Attractants on the Foraging Behavior of Indian Honey Bee (<i>Apis cerana indica</i>) and Their Impact on the Seed Yield of Niger [<i>Guizotia abyssinica</i> (L.f.) Cass] . | |

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| <p>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.</p> | <p>Yes</p> | |
| <p>Is the manuscript scientifically, correct? Please write here.</p> | <p>The manuscript appears scientifically sound, with a clear experimental design and logical methodology. The use of a Randomized Block Design (RBD) with nine treatments and three replications ensures statistical reliability. However, providing more details about the preparation and application of the bee attractants, such as the concentrations and rationale for their selection, would enhance the clarity and reproducibility of the study. The results, while comprehensive, would benefit from the inclusion of statistical analysis (e.g., ANOVA or confidence intervals) to validate the significance of the findings. Additionally, a deeper discussion on the chemical or ecological basis for the effectiveness of <i>Madhuca longifolia</i> and rose water as bee attractants, as well as their broader applicability across different agroclimatic zones, would strengthen the manuscript. Lastly, comparing the findings with previous studies and elaborating on the implications for sustainable agriculture would provide more depth and context to the research.</p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> | <p>Yes</p> | |
| <p>Is the language/English quality of the article suitable for scholarly communications?</p> | <p>Yes</p> | |
| <p><u>Optional/General</u> comments</p> | | |

PART 2:

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

Reviewer Details:

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|---|--|
| <p>Name:</p> | <p>V.Abarna</p> |
| <p>Department, University & Country</p> | <p>School of Agriculture, Bharath Institute of Higher Education and Research, India</p> |