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| Journal Name: | [**Asian Journal of Food Research and Nutrition**](https://journalajfrn.com/index.php/AJFRN) |
| Manuscript Number: | **Ms\_AJFRN\_137885** |
| Title of the Manuscript: | **DIETARY APPLICATIONS OF BEE POLLEN: NUTRITIONAL COMPOSITION, HEALTH BENEFITS, AND APPLICATIONS** |
| Type of the Article | **Review 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** (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 review synthesizes current research on bee pollen’s nutritional profile and health benefits—a growing topic in functional food sciences. It comprehensively analyzes dietary/therapeutic applications, biological mechanisms (antioxidant/anti-inflammatory effects), and challenges (standardization, variability). The work addresses gaps in understanding pollen quality and biodiversity, offering valuable insights for researchers in nutrition, public health, and agriculture. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The current title is appropriate but could better reflect the manuscript’s scope. \*\*Suggestion\*\*: Add"Challenges and Future Directions" to align with Section 5.<br> → \*Revised title\*: \*\*"Dietary Applications of Bee Pollen: Nutritional Composition, Health Benefits, Challenges, and Future Directions |  |
| 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 is generally well-structured but omits: Key challenges (e.g., compositional variability, allergy risks). Concrete recommendations for future research.  Suggestion : Add a concluding sentence emphasizing the need for standardization protocols and human clinical trials. |  |
| Is the manuscript scientifically, correct? Please write here. | Nutritional data (proteins, carbohydrates, bioactive compounds) are well-supported by recent references (2020–2023). Biological discussions (antioxidant/anti-inflammatory roles) are accurate.  Weaknesses: Table 1 is incomplete (empty cells under "Results"). Inconsistent citations (e.g., redundant commas: \*(Komosińska‐Vassev et al., 2015; ,) .The final paragraph of the Introduction repeats the abstract without adding new context. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Positives: 85% of references are recent (2015–2024) and from reputable journals.<br> - \*\*Negatives\*\*: Omission of key literature: Thakur & Nanda (2020) Compr. Rev. Food Sci. Food Saf. on pollen processing. - Kieliszek et al. (2022) Trends Food Sci. Technol.\* on bioavailability. Inconsistent citation year (Chau & Rehan, 2024 is incompatible with current publication timelines). |  |
| Is the language/English quality of the article suitable for scholarly communications? | Generally good |  |
| Optional/General comments | “Potential in Human Diet" excels in linking animal studies to human applications. The Conclusion is concise but lacks actionable recommendations (e.g., urgent need for ISO standards).Tables/Figures: Table 1 requires data completion and clearer formatting |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | **Author’s Feedback** (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)* |  |

**Reviewer details:**

**Sadoon Mohammed Abdullah, Iraq**