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| Book Name: | [**Chemistry and Biochemistry: Research Progress**](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4371** |
| Title of the Manuscript: | **The Chemical constituents of Ocimum sanctum and its pharmacological applications: A review** |
| Type of the Article | **Book Chapter** |

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| 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 review on Ocimum sanctum is highly relevant to the scientific community as it provides a comprehensive analysis of the plant’s phytochemical constituents and pharmacological applications. The manuscript systematically covers various bioactive compounds and their roles in diverse therapeutic domains such as anticancer, antidiabetic, antimicrobial, antioxidant, and adaptogenic activities. Given the increasing interest in natural products and plant-based medicine, this review serves as a valuable reference for researchers working in pharmacology, herbal medicine, and drug development** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The current title is appropriate, but a slight refinement can improve clarity:**  **Suggested Title:**  **"Phytochemical Constituents and Pharmacological Potential of Ocimum sanctum: A Comprehensive Review"**  **This version emphasizes both the plant’s chemical profile and its medicinal applications more explicitly** |  |
| 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 well-structured and informative, but it could be refined to include:**  **- A brief mention of the methodologies used to analyze phytochemicals.**  **- A clearer statement on the significance of Ocimum sanctum in modern medicine.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **The manuscript is scientifically sound and well-supported by references. However:**  **- Some sections contain long, complex sentences that reduce readability.**  **- The discussion on phytochemical structures could benefit from a more organized presentation, possibly using tables to summarize key compounds and their pharmacological actions.**  **- Some claims, especially in the anticancer section, should specify the experimental models used (e.g., in vitro, in vivo).** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **The references are extensive and relevant. However, a few additional recent studies (2023-2024) on the pharmacological activities of Ocimum sanctum could strengthen the review. It is also recommended to cross-check if all cited references are correctly formatted.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript contains several grammatical errors, run-on sentences, and punctuation issues.  - Some sentences are too long, making it difficult to follow the content.  - The manuscript should undergo language editing to improve readability and scholarly communication.  Example of a sentence needing revision:  "Tulsi is an exceptional herb with diverse health benefits and cultural significance, spiritual association, and therapeutic application."  Revised Version:  "Tulsi is a versatile herb known for its diverse health benefits, cultural significance, and therapeutic applications." |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Rinku Ramlal Choudhary** |
| Department, University & Country | **Patkar Varde College, University of Mumbai, India** |