|  |  |
| --- | --- |
|  | |
| Book Name: | [Microbiology and Biotechnology Research: An Overview](https://www.bookpi.org/bookstore/product/microbiology-and-biotechnology-research-an-overview-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_** **5681** |
| Title of the Manuscript: | **COMPARATIVE EXTRACTION OF ESSENTIAL OILS OF Mentha piperita (MINT) BY STEAM DISTILLATION AND ENFLEURAGE** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Nigerian Journal of Chemical Research, Vol. 26, No. 2, 2021**

**Available:** [**https://www.ajol.info/index.php/njcr/article/view/220929**](https://www.ajol.info/index.php/njcr/article/view/220929)

|  |  |  |
| --- | --- | --- |
| 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.** | This chapter highlights the comparative analysis of two essential oil extraction methods—steam distillation and enfleurage—using Mentha piperita (peppermint). The study found that steam distillation produced a higher yield (1.36%) than enfleurage (0.91%) under the same conditions, indicating its greater efficiency. It also emphasizes the presence of key compounds like levo-menthol, which contribute to the fragrance and therapeutic properties of mint oil. These findings suggest that steam distillation is more suitable for large-scale or pilot-scale extraction of essential oils. Overall, the research underscores the practical and commercial importance of choosing the right extraction technique for optimal yield and quality. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | No, It should be rewritten as follows:  Comparative Analysis of Mentha piperita Essential Oils via Steam Disillation and Enfleurage |  |
| 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. | It should be concise. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, it is well presented. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | There are only 7 referecnes. Atleast 20-25 recent references needs to be dicussed. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments | **The following points needs to be addressed with justification before publication of this chapter:**   1. Title need to to rewritw as “Comparative Analysis of Mentha piperita Essential Oils via Steam Disillation and Enfleurage”. 2. The list of abbreviations should be added. 3. Abstract should be very concise. 4. There are only 7 referecnes. Atleast 20-25 recent references needs to be dicussed. 5. Section: REFERENCE, it should be REFERENCES 6. Extraction methods set ups/ diagrams should be added in the manuscript. |  |

|  |  |  |
| --- | --- | --- |
| **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?** |  |  |

**Reviewer details:**

**Mehulkumar L. Savaliya, India**