

Review Form 3

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| Journal Name: | Journal of Scientific Research and Reports |
| Manuscript Number: | Ms_JSRR_128553 |
| Title of the Manuscript: | The Cultivation of Chamomile (<i>Matricaria chamomilla</i> L.) in India: Insights into Origin, Distribution, and Germplasm Availability for Effective Farming Practices |
| Type of the Article | Review Article |

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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Peer review Comments Approval Policy: <https://r1.reviewerhub.org/peer-review-comments-approval-policy/>

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PART 1: Comments

| | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| 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. | The manuscript provides a thorough exploration of the Chamomile plant, covering aspects such as its cultivation, sowing conditions, growth requirements, harvesting techniques, pest management, oil extraction, and applications. The article sparks interest in the plant by delving into its diverse uses and the phytochemicals that contribute to its potential as a herbal remedy. Overall, the manuscript offers an in-depth investigation of the Chamomile plant, presenting a comprehensive understanding of its characteristics and benefits. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | Yes title is suitable | |
| 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. | 1. The abstract needs improvement to clearly present data on international trade. The reasons for the expansion of chamomile cultivation in the South Indian region should be explicitly stated, such as favorable climatic conditions for plant growth, increased demand for the flower, or any other relevant factors. Additionally, the abstract should incorporate studies, reports, or findings that highlight chamomile's potential as a medicinal herb. Furthermore, grammatical errors in the abstract should be addressed and corrected. | |
| Is the manuscript scientifically, correct? Please write here. | Few revisions in the manuscript is recommended- a) The order of the manuscript should be revised. There should be 05 main headings (1. Introduction 2. Cultivation 3. Plant protection 4. Drying and storage 5. Distillation and oil yield) b) The suggested changes in Point 1. Introduction part are- i) Botanical description of plant should be first subheading. This should include the varieties of the plant. ii) Soil and climatic conditions iii) Distribution of the plant iv) Biochemistry or chemical compounds present in the plant- This may include more elaborate description that which compounds are responsible for producing the type of medicinal effect. The results of research studies can be added whose findings are suggestive of antiallergic, sedative or related potential medicinal use of chamille due to chemical compounds present in the plant. Phytohormone in roots and flowers can be included in Biochemistry part. v) Applications- Instead of using nutraceutical application, general term may be used as the oil can be applied through cosmetics or application on fabric also and not necessarily by oral usage only. c) The harvesting and yield of the crop should be included in the cultivation part. The pictorial presentation may be made for showing the plot dimensions for intercropping or filed preparation | |

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| | <p>for sowing plants.</p> <p>d) The diseases and their management can be clearer if depicted in tabular form containing the disease name and its management. The write up then can be cut to more brief.</p> <p>e) The write up related to expansion of chamomile cultivation in the South Indian region should be included in the manuscript indicating the promising climatic conditions and other factors for the growth of the plant.</p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> | <p>References are sufficient. Few latest references are suggested-</p> <ol style="list-style-type: none"> 1. Aglawe,S., Gayke,A., Sharma,K., Jadhav,S., Gore,S., Pandit,B., Valate,S. and Wagh,M. Chamomile: A Review. Res. J. Pharmacology and Pharmacodynamics, 12(1),12-14. 2. Sah, A., Punnoth, N. and Kuruniyan, N.P., (2022). A Comprehensive Study of Therapeutic Applications of Chamomile. Pharmaceuticals,15, 1284. 3. Kazemi,A., Shojaei-Zarghani, S., Eskandarzadeh,P., and Hashempur, M.H. (2024). Effects of chamomile (Matricaria chamomilla L.) on sleep: A systematic review and meta-analysis of clinical trials. Complementary Therapies in Medicine,84,1-8. | |
| <p>Is the language/English quality of the article suitable for scholarly communications?</p> | <p>English quality can be more improvised. I recommend authors to seek professional English editing services to improve the language quality suitable for scholarly communications.</p> | |
| <p>Optional/General comments</p> | | |

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) |
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| <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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| Department, University & Country | Govind Ballabh Pant University of Agriculture and Technology, India |