|  |  |
| --- | --- |
|  | |
| Book Name: | [**Pharmaceutical Science: New Insights and Developments**](https://www.bookpi.org/bookstore/product/pharmaceutical-science-new-insights-and-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5937** |
| Title of the Manuscript: | **Characterization of Phytochemicals and Antioxidant Activity in Leaf and Flower Extracts of Ruta graveolans L., an Ethnomedicinal Plant of BR Hills, Chamarajanagar, Karnataka** |
| Type of the Article | **Book Chapter** |

|  |  |  |
| --- | --- | --- |
| 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 manuscript is important because it provides data for developing antioxidant-rich formulations (nutraceuticals/pharmaceuticals). Medicinal plants are fundamental sources of natural products with high chemical diversity and specificity as novel lead compounds with diverse pharmacological activities. Uta graveolens L., commonly known as rue, is a plant used in traditional medicine in the BR Hills region of India. Leaf and flower extracts of this plant are known to possess various medicinal properties, including anti-inflammatory, antimicrobial, and antioxidant activities. The plant is rich in bioactive compounds like flavonoids, alkaloids, and coumarins** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Characterization of Phytochemicals and Antioxidant Activity in Leaf and Flower Extracts of *Ruta graveolans* L., an Ethnomedicinal Plant of BR Hills, Chamarajanagar, Karnataka**  **The title reflects the main focus of the study.**  **Please, the word "graveolans" appears to be incorrect. The correct spelling is "*graveolens*".** |  |
| 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 comprehensive, to the point that it covers all the necessary points.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **The overall design and structure of the manuscript appear to be scientifically sound and well-organized.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Mostly recent and relevant, but some outdated (e.g., Harborne 1984). Update foundational sources** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The quality of English in this article is generally understandable, but for publication, it requires improvements in vocabulary, punctuation, and sentences are made more systematic and less repetitive.** |  |
| Optional/General comments | **Abstract contains all components but needs improvement in the conclusion to suit the research objectives. An explicit statement enhances credibility.** |  |

|  |  |  |
| --- | --- | --- |
| **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 details)* |  |

**Reviewer details:**

**Ghanem Mohammed Ghanem Mahjaf, Shendi Univesity , Sudan**