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| Journal Name: | [**European Journal of Medicinal Plants**](https://journalejmp.com/index.php/EJMP) |
| Manuscript Number: | **Ms\_EJMP\_140586** |
| Title of the Manuscript: | **A Study on Qualitative and Quantitative Phytochemical Analysis of Selected True and Associate Mangroves** |
| Type of the Article |  |

General guidelines for the Peer Review process:

Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.

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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Important Policies Regarding Peer Review

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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.** | **I consider the article to be of great importance to the scientific community due to the limited studies conducted on plant species found in mangroves. Furthermore, I consider the growing research on bioactive compounds from plants that demonstrate medicinal and pharmaceutical potential to be of strategic interest.**  **The fact that the study was conducted in India, in my opinion, is of great importance for the population that suffers from numerous neglected diseases and a lack of infrastructure in the health sector.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **I liked the title.**  **It presents the main idea of the study well.** |  |
| **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.** | **I believe the abstract summarized the research well.**  **Regarding keywords, I have a few points: Generally, you shouldn't repeat words from the article title. Adding words that aren't in the title between keywords increases the likelihood and number of people who will access the article in an online search. My keyword suggestions are: biocompatible compounds, secondary metabolites, medicinal properties, mangrove ecosystem** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **The manuscript is scientifically correct. However, there are some missing items that I consider necessary for a better understanding of the research.**  **Item 2.1 Plant Collection and Sample Preparation : did not specify how the material was washed. Whether detergent, water, or any other chemical compound was used.**  **Item 2.4 Quantitative phytochemical analysis of leaf extracts: failed to specify the device used for the quantitative analysis of the chemical compounds. I consider it extremely important to specify the type of**  **device (name, brand, company) for validating the results.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **The references were sufficient.**  **For the standard phytochemical analysis protocol, there are newer references than those used in this work** |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | **I believe the language is in accordance with scientific work.**  **Objective and short sentences that are easy to understand** |  |
| **Optional/General** comments | **Classes of compounds were found that indicate good potential for further research. Further research is needed to correctly identify the chemical compounds present in these species for safe future use.**  I consider the study relevant to the species and of enormous importance in the local context in which it is carried out.  **Regarding the materials and methodology, I only miss the brands and types of each apparatus, glassware, and reagents used in this study.** |  |

PART 2:

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|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | ***There are no ethical issues*** |  |
| **Are there competing interest issues in this manuscript?** | ***There are no competing interest issues*** |  |
| **If plagiarism is suspected, please provide related proofs or web links.** | ***I do not suspect plagiarism*** |  |

PART 3: Declaration of Competing Interest of the Reviewer:

***I declare that I have no competing interest as a reviewer***

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| **PART 4: Objective Evaluation:** | |
| Guideline | MARKS of this manuscript |
| Give OVERALL MARKS you want to give to this manuscript ( Highest: 10 Lowest: 0 )  **Guideline:**  Accept As It Is: (>9-10) Minor Revision: (>8-9)  Major Revision: (>7-8) Serious Major revision: (>5-7)  Rejected (with repairable deficiencies and may be reconsidered): (>3-5) Strongly rejected (with irreparable deficiencies.): (>0-3) | **7.8** |

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| **Editorial Comments (This section is reserved for the comments from journal editorial office and editors):** | |
|  | Author’s Feedback |
|  |  |

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| Name of the Reviewer | Adriana Idalina Torcato de Oliveira |
| Department of Reviewer | Centro de Ciências Integradas |
| University or Institution of Reviewer | Universidade Federal do Norte do Tocantins - UFNT |
| Country of Reviewer | Brazil |
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| Write 5-8 Keywords regarding expertise of  Reviewer | Experience as a reviewer for national and international journals in the areas of natural product chemistry, chemistry education, and  biotechnology. |