Review Form 3

Journal Name:	**South Asian Research Journal of Natural Products**
Manuscript Number:	**Ms_SARJNP_128847**
Title of the Manuscript:	**Biological Activity and Phytochemical Screening of Atalantia ceylanica - A mini review**
Type of the Article	**Minireview 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.
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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 manuscript is of significant importance to the scientific community as it provides a comprehensive overview of Atalantia ceylanica, a medicinal plant with considerable therapeutic potential. By consolidating traditional knowledge and scientific evidence, it highlights the plant's diverse biological activities, including antimicrobial, antioxidant, and hepatoprotective properties, which are critical for developing novel pharmaceutical and biomedical applications. The focus on its phytochemical composition, particularly bioactive compounds such as caryophyllene and unique oximes, opens new avenues for drug discovery and therapeutic interventions. Moreover, the manuscript serves as a valuable reference for researchers aiming to explore natural remedies for conditions like liver toxicity, respiratory disorders, and microbial infections, promoting further investigations into its pharmacological potential.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "Biological Activity and Phytochemical Screening of Atalantia ceylanica - A Mini Review" is clear, concise, and suitable for your manuscript. It effectively conveys the focus of the paper, which includes both the biological activities and phytochemical profile of the plant. Additionally, the phrase "mini review" informs readers about the nature and scope of the article. However, to make the title slightly more engaging and specific, you could consider adding a hint of the plant's therapeutic importance. For example: "Biological Activities, Therapeutic Potential, and Phytochemical Screening of Atalantia ceylanica - A Mini Review" "Phytochemical Screening and Biological Activities of Atalantia ceylanica: A Mini Review on Its Therapeutic Potential"	
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.	Refined Abstract (Suggestion): Atalantia ceylanica, a medicinal plant belonging to the Rutaceae family, is native to Sri Lanka, India, and Vietnam, thriving in seasonally dry tropical regions. Various parts of the plant, including leaves, bark, seeds, and roots, are rich in phytochemicals such as polyphenols, tannins, flavonoids, alkaloids, oximes, and coumarins. These bioactive compounds contribute to its diverse medicinal properties, including antioxidant, antimicrobial, antifungal, and hepatoprotective activities. Traditionally used in Ayurveda and folk medicine to treat asthma, liver diseases, and skin disorders, the plant has gained renewed attention for respiratory protection. This mini-review examines the biological activities and phytochemical composition of A. ceylanica, with emphasis on its significant antibacterial and antifungal effects, particularly against Staphylococcus aureus and Pseudomonas aeruginosa. Its hepatoprotective activity has been demonstrated through mitigation of ethanol-induced liver toxicity, while its antioxidant capacity confirms its role as a potent free radical scavenger. By consolidating traditional knowledge and scientific evidence, this review highlights the therapeutic potential of A. ceylanica and identifies avenues for further pharmacological and clinical research.	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Use Latest References	

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Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	Overall Quality: The manuscript presents a comprehensive and informative review of Atalantia ceylanica, focusing on its biological activities, phytochemical composition, and therapeutic potential. The inclusion of both traditional uses and scientific evidence enhances its relevance to a broad audience, including researchers in pharmacology, ethnobotany, and natural product chemistry. Structure and Clarity: The manuscript is well-structured, with clear sections highlighting the plant's taxonomy, phytochemistry, and medicinal activities. However, some sentences in the abstract and main text could be simplified for improved readability. Breaking complex sentences into smaller, more focused ones would enhance clarity. Data Presentation: Including quantitative data (e.g., MIC values for antimicrobial activity, IC50 values for antioxidant assays) where available would provide stronger support for the plant's therapeutic claims. Tables summarizing key phytochemicals and their biological activities could make the content more accessible to readers. Focus on Key Compounds: While the manuscript mentions compounds like caryophyllene and oximes, more emphasis on their specific mechanisms of action or therapeutic relevance would add depth to the discussion. Language and Style: The manuscript uses appropriate scientific language but would benefit from minor grammatical and stylistic improvements. Proofreading for conciseness and consistency will enhance the overall presentation. Relevance to Current Research: Highlighting the plant's potential for addressing contemporary health challenges (e.g., antimicrobial resistance, liver disorders, and oxidative stress) will reinforce its significance for the scientific community.	

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)*	

Reviewer Details:

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