

REVIEWER'S REPORT

Manuscript No.: IJAR-54990

Title: Therapeutic and Pharmacological Potential of Cinnamomum zeylanicum (Darchini): A Comprehensive Review Integrating Unani Perspective

Recommendation:

Accept as it isYes.....

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality			√	
Techn. Quality			√	
Clarity			√	
Significance		√		

Reviewer Name: Professor Dr Dillip Kumar Mohapatra

Detailed Reviewer's Report

1. Strengths of the Manuscript

Extensive coverage of both Unani classical literature and contemporary pharmacological evidence.

Clear attempt to integrate traditional medicine (Unani) with modern science, which adds novelty.

Well-structured review sections—introduction, history, phytochemistry, morphology, therapeutic uses, pharmacology.

Rich phytochemical documentation with citations to modern studies.

Detailed morphological and botanical descriptions, which increases scientific value.

Focus on nephroprotective effects, which is clinically relevant and under-explored.

Good compilation of vernacular names, taxonomy, and classical references.

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2. Weaknesses / Limitations

References missing at many places—several statements are unsupported by citations

The manuscript is too long and contains unnecessary repetition, especially in:

historical background

Unani actions

morphology section

Formatting errors (line breaks, spacing, abrupt headings).

No defined methodology for the review, e.g., search strategy, inclusion/exclusion criteria.

Language issues—long sentences, grammatical inconsistencies, and lack of academic tone in some parts.

Many Unani terms are not explained clearly for non-Unani readers.

Pharmacological section is descriptive only, not critically analysed.

No tables summarizing pharmacological studies, which weakens scientific clarity.

No discussion section summarizing gaps, limitations, and future scope.

No clear conclusion linking all the evidence together.

Excessive textual details (e.g., microscopic features) without diagrams or concise tabulation.

3. Significance of the Study

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The manuscript highlights **Cinnamomum zeylanicum** as a potential nephroprotective and metabolic regulatory agent, which has strong therapeutic relevance.

Provides important bridging between classical Unani concepts and modern pharmacology, adding interdisciplinary value.

Encourages scientific validation of Unani herbs, contributing to traditional medicine research.

Useful for pharmacognosy, phytomedicine, and Unani practitioners.

Has potential to serve as a reference work for drug standardization and development of novel phytotherapeutics.

4. Key Points / Major Findings

C. zeylanicum contains major active constituents such as **cinnamaldehyde, eugenol, linalool, β -caryophyllene**, responsible for antioxidant and anti-inflammatory effects.

Traditional Unani uses suggest efficacy in **digestive, hepatic, cardiovascular, and reproductive** disorders.

Evidence supports **nephroprotective properties** in cisplatin-, gentamicin-, and paracetamol-induced kidney injury models.

Pharmacological studies also show **antidiabetic, antihypertensive, antibacterial, vasorelaxant** and hepatoprotective activities.

Unani descriptions include actions like **Muqawwi-e-Jigar, Mudirr-e-Bawl, Mujaffif, Mufatteh, Mohallil**, etc., supporting broad therapeutic applicability.

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The plant shows **high safety margin**, but has adverse effects related to bladder irritation and requires correctives.