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## REVIEWER'S REPORT

Manuscript No.: IJAR-56156

Title: A Comprehensive Review of Patola (*Trichosanthes dioica*) in Nighantus

### Recommendation:

- Accept as it is .....
- ✓ 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: Dr S. K. Nath

Date: 11.02.26

### Detailed Reviewer's Report

#### Strengths of the Study:

- Provides an extensive compilation of classical Ayurvedic references on Patola, including its synonyms, varieties, Rasa Panchaka, and therapeutic actions.
- Covers multiple authoritative Nighantus, offering a comparative perspective that enhances the understanding of Patola's traditional uses.
- Highlights the Ayurvedic properties and descriptions across well-known classical texts, which can be valuable for scholars and practitioners.
- The article enriches existing literature by consolidating traditional knowledge relevant to herbal medicine and Ayurveda.
- Addresses a significant herbal plant with potential pharmacological relevance, potentially guiding future research and formulation.

#### Weaknesses of the Study:

- The manuscript is primarily a literature review; it lacks novel experimental data or pharmacological validation.
- No critical analysis of the discrepancies or variations among the texts, which could strengthen interpretative insights.
- The methodology for literature compilation is not described in detail; clarity on inclusion/exclusion criteria is missing.
- The paper does not discuss modern pharmacological or clinical studies related to Patola.
- There are minimal discussions on the translational aspect or potential for integrating traditional knowledge into modern medicine.
- The manuscript has formatting issues with inconsistent referencing style, and some figures are not clearly integrated or described.
- No mention of ethical considerations, though the review nature might not require ethical approval.
- The language needs refinement for clarity and professionalism; multiple grammatical and typographical errors are present.

#### Reviewer Comments:

- **Title and Abstract:** The title is clear and appropriate. The abstract summarizes the content but could be improved for clarity, especially regarding the specific aim and scope of the review.

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- **Introduction and Objectives:** The introduction provides background but lacks a clear statement of specific research objectives or hypotheses.
- **Methodology:** The review does not specify the systematic approach used for literature selection, which limits reproducibility. Inclusion/exclusion criteria and data extraction methods should be detailed.
- **Results and Discussion:** The results consist mainly of textual compilation of synonyms, properties, and references from texts. A more critical analysis or synthesis would enhance understanding. The discussion could benefit from integrating traditional descriptions with current pharmacological insights.
- **Conclusion:** The conclusion accurately summarizes the traditional significance of Patola but falls short of discussing future research directions or clinical implications.
- **Ethical Clearance:** Not applicable, as this is a literature review.
- **Language and Style:** The language requires editing for grammatical correctness, coherence, and professionalism. Several typographical errors and inconsistent formatting are noted.
- **Tables, Figures, References:** Tables succinctly present data; figures are relevant but not well integrated into the text and lack detailed descriptions. Reference formatting is inconsistent; standardization is recommended.

### Verification of Prior Publication

The manuscript appears to be a recent, original submission and does not show evidence of prior publication on open-access platforms or preprint servers. A comprehensive internet search with key phrases indicates this is novel work, and no duplication or prior dissemination was detected.