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REVIEWER'S REPORT

Manuscript No.: IJAR-53000

Date: 25.07.25

Title: Novel Carrier for Enhanced Drug Delivery: A Review on Ethosomes

Recommendation:

Accept as it is YES

Accept after minor revision...

Accept after major revision

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

Reviewer Name: PROF DR DILLIP KUMAR MOHAPATRA

Date: 25.07.25

Reviewer's Comment for Publication.

(To be published with the manuscript in the journal)

The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewers name.

Detailed Reviewer's Report

This review article discusses ethosomes, a novel vesicular carrier system designed for enhanced drug delivery. Ethosomes have shown promising results in treating various conditions, including fungal infections, dermatological disorders, and systemic diseases. Their unique composition enables the delivery of both hydrophilic and lipophilic drugs through the skin, offering significant advantages over traditional drug delivery systems

Future Directions

- **Optimization of Formulations:** Exploring novel excipients and stabilizers to enhance vesicle stability.
- **Green Synthesis Methods:** Developing eco-friendly processes to reduce environmental impact.
- **Advanced Delivery Systems:** Combining ethosomes with other nanocarriers for synergistic effects.

Ethosomes represent a promising approach in transdermal drug delivery, offering enhanced skin permeation, improved bioavailability, and high encapsulation efficiency. Further research is needed to overcome the challenges associated with ethosomes and explore their full potential in various therapeutic applications