

REVIEWER'S REPORT

Manuscript No IJAR-52589

Date: 02/07/2025

Title: Isolation, Characterization, and Identification of Endophytic Bacteria from Pichavaram Mangrove Forest with Haemolytic, Antibacterial, and Antioxidant Activity

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: Sakshi Jaju

Date: 02/07/2025

Reviewer's Comment for Publication.

This article studies bacteria found inside mangrove plants (*Rhizophora mucronata* and *Ceriops decandra*) from the Pichavaram forest. The authors successfully isolated and tested four strains of bacteria for their antibacterial, antioxidant, and haemolytic properties.

Strengths:

1. The topic is interesting and important. Studying bacteria from mangroves for medical use is a good idea.
2. The authors used proper scientific methods like biochemical tests and DNA sequencing to identify the bacteria.
3. The results are clearly shown in tables and graphs.

Weaknesses:

1. The English language needs improvement. There are many grammar mistakes that make it hard to read.
2. The discussion part could be better. It should explain more about how the results can be used in medicine.
3. The study only tested a few samples. Including more plant parts and more bacterial strains would make it stronger.

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4. There is little use of statistics to explain if results are significant.

Recommendation:

Manuscript accepted for the publication.