

**REVIEWER'S REPORT**

Manuscript No.: IJAR-56104

Title: ANALYSIS OF PHYTOCHEMICAL CONSTITUENTS, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF AYAPANA TRIPLINERVIS (VAHL) R.M. KING & H.ROB.

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

Reviewer's Comment for Publication.

The study evaluates the phytochemical constituents, antioxidant activity, and antibacterial potential of Ayapana triplinervis leaf methanolic extract. Standard qualitative and quantitative methods were used, along with DPPH, reducing power assays, and disc diffusion tests. The results confirm the presence of bioactive compounds with antioxidant and antimicrobial activities.

Strength:

1. Clear objective and well-structured methodology
2. Use of standard and widely accepted analytical assays
3. Results are consistent with previous studies
4. Practical relevance in medicinal and herbal research

Weakness:

1. Language and grammatical errors need correction
2. Quantitative data presentation could be improved
3. Lack of MIC values and in vivo validation

Overall assessment:

The manuscript presents meaningful findings on the medicinal potential of Ayapana triplinervis. With minor editorial corrections and some methodological clarification, it is suitable for publication.

Recommendation: Manuscript accepted for publication after minor corrections.