

REVIEWER'S REPORT

Manuscript No.: IJAR-52874

Date: 18/07/2025

Title: The involvement of dopaminergic, serotonergic and noradrenergic receptors in the antidepressant effect of methanol extract of Asystasia vogeliana in the Tail Suspension Test using

mice

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: 18/07/2025

Reviewer's Comment for Publication.

Abstract:

The abstract explains the purpose of this research very clearly. The study was done to check if the methanol extract of Asystasia vogeliana (AV) can reduce depression in mice. The methods used (Tail Suspension Test, Open Field Test) and results are clearly mentioned

Introduction:

The introduction is written nicely and gives proper background information. It tells Depression is linked to neurotransmitters like dopamine, serotonin, and noradrenaline. Current medicines have side effects. Herbal medicines like AV could be a safer option. The aim of this study is clear. The introduction is well structured and relevant.

Material and Methods:

The materials and methods are written in a step-by-step and clear manner. Plant identification and extraction method are correctly explained. Proper animal ethics approval is mentioned. Tail Suspension Test (TST) is used to assess depression-like behavior in mice. Dosages and control groups are properly explained.

Result and Discussion:

The results are clearly presented with tables, percentages, and p-values. OFT showed that the extract did not cause hyperactivity, confirming the antidepressant effect is genuine. Tables are clear but could use better alignment. Discussion is a bit long and repetitive in some places. It can be shortened for clarity.

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Relevance and Contribution:

This study is useful and relevant. It gives scientific proof for the traditional use of AV in treating depression. It can help develop herbal antidepressants, especially in places with poor access to modern medicine.

Clarity and Writing:

The writing is clear but can be improved by shortening some long sentences. Some minor grammar and formatting corrections are needed.

Recommendation:

Manuscript accepted for the publication.