

REVIEWER'S REPORT

Manuscript No.: IJAR-53414

Date: 18/8/2025

Title:

Brassinosteroids a inter kingdom signaling molecules modulating steroidogenesis in Polycystic Ovary Syndrome an In Silico study

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality	Excellent			
Techn. Quality	Excellent			
Clarity	Excellent			
Significance	Excellent			

Reviewer Name: Dr.Sumathi

Date: 18/8/2025

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.

Brassinosteroids are a class of plant steroid hormones that play a crucial role in plant growth and development. They regulate various cellular processes like cell division, elongation, and differentiation, influencing the plants overall life cycle.

Detailed Reviewer's Report

- 1. Steroidogenesis is the intricate multistep process by which cells synthesize steroid hormones from cholesterol. These hormones**

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including sex steroids, glucocorticoids and mineralocorticoids are essential for regulating a wide range of physiological processes in the body, such as metabolism, stress response, reproduction and development.

2. Polycystic ovary syndrome is a problem with hormones that happens during the reproductive years.
3. Molecular docking is a computational method used to predict how small molecules bind to larger molecules.
4. It essentially simulates the docking or binding process of a ligand into a target molecules binding site.
5. This technique is crucial in structure based drug design as it helps predict the binding affinity and orientation of potential drug candidates.
6. This research topic is medically very vlued. Valuable informations are given.
7. Key words, tables with graphs, pictures are awesome!
8. Sufficient informations are given.
9. Summary points should be added.
10. References should be in alphabetical order.
11. After this small corrections good to publish in your jornal.