

REVIEWER'S REPORT

Manuscript No.: IJAR-52348

Date: 17/6/2025

Title:

“Biosynthesis of silver nanoparticles from *Leea indica* plant extract and evaluate its Antimicrobial and Anticancer activity against prostate cancer cell line

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: 17/6/2025

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.

Leea indica is the scientific name for a plant commonly known as bandicoot berry. It is a species within the Vitaceae family, often found in tropical and subtropical regions.

Detailed Reviewer's Report

1. Biosynthesis is the process by which living things use chemical reactions to create products useful for cellular metabolism.
2. Biosynthesis reactions are also known as anabolic reactions because the final products are large, complex structures called macromolecules.

REVIEWER'S REPORT

- 3. Silver nanoparticles are tiny particles of silver, typically ranging from 1 to 100 nanometers in size, exhibiting unique properties that make them useful in various applications.**
- 4. Anticancer activity refers to a substance or treatment ability to prevent, inhibit or kill cancer cells. This activity can be achieved through various mechanisms, including arresting cell division, including cell death and impacting cell signaling pathways.**
- 5. A cell line is a population of cells, usually derived from a multicellular organism that can be grown in a laboratory setting for an extended period.**
- 6. Prostate cancer is a type of cancer that develops in the prostate gland, which is part of the male reproductive system. It occurs when cells in the prostate grow abnormally and uncontrollably.**
- 7. Research topics are chosen good with medical line and key words are good to understand the topic.**
- 8. Results and discussion part are good with pictures.**
- 9. Summary part can be included.**
- 10. References should be in alphabetical order.**
- 11. After this small corrections good to publish in your journal.**