

REVIEWER'S REPORT

Manuscript No.: IJAR-55829

Title:

EXPLORING THE NEMATICIDAL POTENTIAL OF CASHEW NUT SHELL LIQUID AGAINST ROOT-KNOT NEMATODES: *IN VITRO* AND GREENHOUSE EVALUATIONS

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

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

Reviewer Name: Dr. Sumathi

Detailed Reviewer's Report

1. Botanical extracts are concentrated forms of plants, capturing their beneficial compounds (vitamins, antioxidants, oils) in a potent liquid, powder, or paste, using solvents like water, alcohol, or oils to pull out these "essences" from roots, leaves, flowers, or seeds, and are used in skincare, food, and medicine for therapeutic and functional properties.
2. They are more concentrated than the raw plant, offering powerful benefits like anti-inflammatory or antioxidant effects in small doses, and are distinct from essential oils which often focus on aroma.
3. Plant-parasitic nematodes are microscopic, unsegmented roundworms that feed on living plant tissues (roots, stems, leaves, seeds) using a needle-like mouthpart called a stylet, causing significant crop loss by damaging cells, inducing galls, and introducing secondary infections, leading to symptoms like wilting, stunting, and yellowing.

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- 4. They are a major global agricultural concern, with many species existing, including root-knot, cyst, and lesion nematodes, classified by where they feed (inside or outside the plant) and their movement.**
- 5. Urban agriculture is the practice of growing, processing, and distributing food and other products within or around cities, using diverse methods like community gardens, rooftop farms, hydroponics, or backyard plots to increase local food access, build community, and improve urban environments, notes the USDA, EPA, UMD Extension, and USDA.**
- 6. It can range from small personal gardens to commercial farms and includes animal husbandry (like bees or chickens) and innovative techniques for small spaces, says USDA and UMD Extension.**
- 7. Key words are good**
- 8. Result part is awesome with tables and graphs.**
- 9. Summary points can be included.**
- 10. References are good.**
- 11. After a small changes good to publish in your journal.**