

## REVIEWER'S REPORT

Manuscript No.: IJAR-55540

**Title:** Anthocyanin content, lipid peroxidation inhibition and anti-salmonellosis activity of *Vitelariaparadoxa* Gaertn and *Parkiabiglobosa* (Jacq.) Benth bark extracts

### 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. Natural compounds are chemicals produced by living organisms (plants, animals, fungi, bacteria) that serve biological functions, often providing evolutionary advantages, and are used in medicine, food, and cosmetics, with examples including morphine, caffeine, essential oils, and vitamins.
2. They have diverse structures, from small molecules to complex macromolecules, and form the basis for many modern drugs and supplements, often valued for their biological activity and potential therapeutic uses.
3. Biological activity means a substance's ability to cause a specific effect or change in a living organism or system, ranging from a drug's therapeutic impact (like reducing inflammation) to microbes breaking down rock, measured through interactions like metabolism, receptor binding, or growth changes, and is crucial for understanding pharmaceuticals, toxicology, and ecosystem health. It's dose-dependent and studied via biological assays (in vivo/in vitro).

# **International Journal of Advanced Research**

**Publisher's Name: Jana Publication and Research LLP**

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- 4. Plant extracts are concentrated preparations from plants, capturing their beneficial compounds (like vitamins, flavonoids, oils) using solvents (water, alcohol, oil) to isolate active ingredients for use in foods, cosmetics, and medicines.**
- 5. They are made by soaking or pressing plant parts (leaves, roots, flowers) to draw out substances, resulting in liquid, soft, or powdered forms that offer healing, moisturizing, flavoring, or therapeutic effects beyond basic nutrition, notes.**
- 6. Benin, officially the Republic of Benin, is a West African nation known for its rich history as the seat of the powerful Dahomey Kingdom, its vibrant culture, and being the birthplace of Vodun (Voodoo) religion, with a French-speaking population, a mostly agricultural economy, and its capital Porto-Novo (seat of government in Cotonou) bordered by Togo, Nigeria, Burkina Faso, and Niger.**
- 7. Key words need to add more.**
- 8. Result part is awesome with graphs.**
- 9. Summary points can be added.**
- 10. After a small changes good to publish in your journal.**