

## REVIEWER'S REPORT

Manuscript No.: IJAR-57939

**Title: Photochemistry and Therapeutic Properties of Bunium persicum (Boiss.): Review.**

### 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 ID: JP085

### Reviewer's Comment for Publication.

This review article discusses the phytochemistry and therapeutic properties of Bunium persicum (Black Cumin/Kala Jeera). The article describes its botanical characteristics, geographical distribution, chemical constituents, traditional uses, and pharmacological activities such as antidiabetic, antimicrobial, anticancer, antihistaminic, antioxidant, and gastrointestinal protective effects. The review highlights the potential of B. persicum as a medicinal and nutraceutical plant.

### Strength:

1. Relevant topic in herbal and medicinal plant research
2. Covers phytochemistry and therapeutic applications comprehensively
3. Includes information on traditional and modern medicinal uses
4. Discusses multiple pharmacological activities
5. Provides a broad collection of references from previous studies
6. Useful as an introductory review for students and researcher

### Weakness:

1. Numerous grammatical, spelling, and formatting errors throughout the manuscript
2. Several sections are repetitive and poorly organized
3. Limited critical analysis of the cited studies
4. Some information appears outdated, with insufficient recent references
5. Figures and tables are inadequately labeled and explained
6. Search strategy and review methodology are not clearly described
7. Scientific names and terminology are inconsistently presented

### Overall assessment:

The article provides a useful overview of the phytochemistry and medicinal importance of Bunium persicum. However, the manuscript requires substantial improvement in language, organization, scientific

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presentation, and critical discussion. A more systematic review approach and inclusion of recent evidence would significantly strengthen the article.

**Recommendation:** Manuscript accepted for publication after minor revision.