

Review Form 3

Journal Name:	Asian Journal of Chemical Sciences
Manuscript Number:	Ms_AJOCS_127873
Title of the Manuscript:	A Study of Chemical Composition and Bioactivity of Folk Medicinal Plant: Teucrium Polium
Type of the Article	Original Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript holds significant importance for the scientific community as it provides a comprehensive analysis of the chemical composition and bioactivity of Teucrium polium. The study identifies bioactive compounds such as flavonoids, terpenoids, and essential oils, which exhibit notable antioxidant and anti-inflammatory properties. These findings underline the plant's potential in treating a variety of diseases, including inflammatory and gastrointestinal disorders, and its use in traditional medicine. Furthermore, the demonstrated antibacterial activity of T. polium extracts against pathogens like Escherichia coli and Pseudomonas aeruginosa highlights its application as a natural and effective alternative to synthetic antimicrobial agents, benefiting fields like pharmacology, healthcare, and functional food development.	
Is the title of the article suitable? (If not please suggest an alternative title)	"Chemical Composition and Bioactivity of Teucrium polium: A Natural Remedy with Therapeutic Potential"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes	
Is the manuscript scientifically, correct? Please write here.	Based on the information provided in the manuscript, the study appears scientifically valid. It follows a structured methodology, including the collection, preparation, and analysis of Teucrium polium extracts using gas chromatography-mass spectrometry (GC-MS) and antibacterial assays. The results are supported by detailed descriptions of bioactive compounds and their therapeutic properties, aligning with previous literature cited in the manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments		

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Rahul Gogoi
Department, University & Country	Assam Agricultural University, India