

[Review Form 3](#)

Book Name:	Recent Developments in Chemistry and Biochemistry Research
Manuscript Number:	Ms_BPR_3888
Title of the Manuscript:	PHYTOCHEMICALS FUNCTIONAL GROUPS AND MINERAL COMPOSITION OF ALLIUM SATIVUM (GARLIC) CLOVES
Type of the Article	Book chapter

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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.	The manuscript investigates the phytochemical, functional group, and mineral composition of <i>Allium sativum</i> (garlic) cloves using solvent extractions, FTIR, and ICP-OES methods. The study is relevant and contributes to understanding the medicinal value of garlic.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Quantitative results for the mineral composition should be included in the abstract, and the unique contributions of the study should be highlighted.	
Is the manuscript scientifically, correct? Please write here.	Several areas need improvement to enhance the quality and clarity of the manuscript. <ol style="list-style-type: none"> The gaps in current research this study aims to address should be clearly outlined in the introduction. The methods for phytochemical screening should be described. A brief rationale for choosing methanol as the primary solvent for mineral composition and functional group analysis should be provided. The relevance of functional group analysis in relation to phytochemical studies should be emphasized. Findings should be compared with those of similar studies to better contextualize the results. The mineral content of garlic should be compared to that of other herbs to determine its relative health benefits. The minimum daily intake of potassium is 3.5 g, and the potassium content in garlic cloves was found to be 21,278 ppm. Could the authors suggest how much garlic should be consumed to meet the recommended daily intake of potassium? 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient.	
Is the language/English quality of the article suitable for scholarly communications?	Proofreading for typographical and grammatical errors throughout the manuscript is necessary.	
Optional/General comments		

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PART 2:

	Reviewer's comment	Author's comment (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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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