

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_126135
Title of the Manuscript:	Chitosan And Its Derivatives For Agriculture Applications: A Review
Type of the Article	Review Article

Review Form 3

PART 1: Review Comments

<u>Compulsory</u> REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript is significant for the scientific community as it provides a comprehensive overview of chitosan, a versatile biopolymer with numerous applications, particularly in sustainable agriculture. The detailed discussion on its properties, derivatives, and applications highlights its potential to replace synthetic, non-degradable polymers, thus promoting environmentally friendly practices.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it's quite suitable.	
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.	<p>The abstract of the article is quite comprehensive, covering the key aspects of chitosan, its properties, derivatives, and applications in agriculture. However, there are a few suggestions to enhance its clarity and impact:</p> <ol style="list-style-type: none"> 1. Highlight the significance: Emphasize the importance of chitosan in sustainable agriculture. 2. Include specific examples: Mention specific examples of chitosan applications to illustrate its practical uses. 	
Are subsections and structure of the manuscript appropriate?	<p>The subsections and structure of the manuscript appear to be well-organized. However, expanding the introduction section to include more recent studies would enhance the manuscript's relevance and depth. Expand this section by including recent studies and developments in chitosan research. Highlighting recent breakthroughs or novel applications can set the stage for the detailed discussions in the subsequent sections.</p> <p>For sections such as 6 and 10.5, incorporating recent studies can offer updated insights and strengthen the discussion.</p>	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The manuscript's focus on chitosan, a well-researched biopolymer, is justified by its unique properties such as non-toxicity, biocompatibility, and biodegradability. Additionally, the comprehensive review of chitosan's properties, derivatives, and applications is supported by a thorough analysis of existing literature.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Updating the references with more recent articles would enhance the manuscript's relevance and credibility.	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article needs improvement for it to be suitable for scholarly communications. Some grammatical mistakes should be addressed to enhance clarity and readability.	
<u>Optional/General</u> comments		

Review Form 3

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:	Parinaz Nezhadmokhtari
Department, University & Country	Tabriz University of Medical Sciences, Iran