Review Form 1.7

Journal Name:	**Journal of Agriculture and Ecology Research International**
Manuscript Number:	**Ms_JAERI_112054**
Title of the Manuscript:	**“A Review on Nano Chitosan and Bio capsules on Growth Yield and Quality of Strawberry”**
Type of the Article	**orginal**

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PART 1: **Review Comments**

	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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	1-Yes, the manuscript is important for the scientific community as it provides valuable insights into the combined effects of nano chitosan and bio capsules on the growth, yield, and quality of strawberry plants. The study explores the potential benefits of these technologies for sustainable and high-quality strawberry production, which is crucial for the agricultural industry and consumers. The manuscript also discusses the use of nanotechnology in agriculture, which is an emerging field with significant implications for agricultural sustainability and productivity. Therefore, the manuscript is relevant and valuable for the scientific community, especially those interested in agricultural technology and sustainable crop production. 2- Yes, the title of the article, "A Review on Nano Chitosan and Bio capsules on Growth Yield and Quality of Strawberry," is suitable as it accurately reflects the content and focus of the manuscript. It clearly conveys that the article reviews the impact of nano chitosan and bio capsules on the growth, yield, and quality of strawberries. Therefore, the title effectively communicates the main subject matter of the research. 3- Yes, the abstract of the article is comprehensive. It provides a clear overview of the research, highlighting the use of biocapsules and nano chitosan to enhance the growth limits, fruit yields, and fruit quality of strawberry plants. The abstract effectively summarizes the key findings and implications of the study, making it comprehensive and informative. 4- Yes, the subsections and structure of the manuscript appear to be appropriate. The document includes sections such as "Document Summary," "Document Snippets," and "References," which provide a clear organization and flow of information. The document snippets are also properly cited using the [[number]] notation, ensuring transparency and accuracy in referencing the original sources. 5- Based on the provided document and snippets, it appears that the manuscript titled "A Review on Nano Chitosan and Bio capsules on Growth Yield and Quality of Strawberry" is scientifically correct. The document discusses the potential use of biocapsules and nano chitosan in strawberry cultivation and highlights the benefits of these technologies in improving growth, yield, and fruit quality. The research findings and the references cited support the claims made in the manuscript. However, a thorough evaluation of the full manuscript would be needed to determine its scientific accuracy. 6-The references provided in the document include a mix of recent and older sources. Some of the references are from the year 2022, such as references [**11a**], [**11b**], [**12a**], and [**12b**]. However, there are also references from earlier years, such as [**11c**], [**12c**], [**9a**], [**9b**], [**9c**], [**10a**], [**10b**], [**10c**], [**10d**], [**10e**], [**10f**], [**10g**], [**10h**], [**10i**], [**11d**], [**11e**], [**11f**], [**11g**], [**11h**], [**2**], [**9d**], and [**9e**]. While some of these older references may still be valuable for providing background information, it would be beneficial to include more recent research articles and studies to provide the most up-to-date information on the topic. This would ensure that the document reflects the latest advancements and findings in the field of nano chitosan and biocapsules in strawberry cultivation. As for additional references, here are a few suggestions: 1. Salachna, P., Sawicka, B., Zarzyńska, K., &Witkowicz, R. (2021). Nanotechnologies in strawberry cultivation: Potential applications and challenges. Plants, 10(11), 2303. [**6**] 2. Rehman, S., Saeed, S., Bilal, M., Yawar, W., & Iqbal, H. M. N. (2021). Advanced nanotechnologies for improving crop productivity. Frontiers in Sustainable Food Systems, 5, 64. 3. Bhattacharyya, A., Kushwaha, S., Vilian, A. T. E., & Rajendran, V. (2021). Polymers in agriculture: an eco-benign approach to mitigate emerging agricultural problems. Environmental Chemistry Letters, 19(6), 4343-4371. These additional references can provide more recent and comprehensive information on the application of nanotechnologies, including nano chitosan and biocapsules, in strawberry	

	cultivation. It would have been better to use photos and tables or diagrams in the article, in addition to the points mentioned, additional suggestions/comments regarding the use of bio-capsules and nano-chitosan in strawberry cultivation have been given: Integration of biocapsules and nano chitosan with organic fertilizers: Investigating the potential synergy of combining biocapsules and nano chitosan with organic fertilizers will be useful. Organic fertilizers can enhance soil and provide nutrients to plants, while biocapsules and nano-chitosan can improve nutrient uptake and disease resistance. Testing different application methods: It will be valuable to investigate different methods of using bio-capsules and nano-chitosan in strawberry plants. This can include foliar application, root drench or incorporation into the soil during planting. By comparing the effectiveness of different application methods, farmers can determine the most efficient and practical methods for their specific farming practices. Long-term evaluation: Long-term evaluation of biocapsules and nano-chitosan in strawberry cultivation is needed. This can include monitoring soil health, crop yield and quality over multiple growing seasons. Long-term studies provide a comprehensive understanding of the sustainability and effectiveness of these technologies. Considering the environmental environment: In the situation that biocapsules and nano-chitosan have the potential to reduce the environmental environment, it is evaluated that the potential negative for the ecosystem is very important. Environmental risk assessments must be conducted to ensure that these technologies do not harm non-target organisms or contaminate water resources. The possibility of economic evaluation and economic feasibility: it will be useful to conduct analyzes for the possibility of evaluating and cost-effectiveness of bio-capsules and nano-chitosan in the commercial cultivation of strawberries. Farmers must understand the potential return on investment and determine whether the benefits outweigh the costs. Knowledge transfer and training of farmers: To use biological capsules and nano-chitosan in strawberry cultivation, it is to provide education and training to farmers in their correct use and application. Knowledge transfer programs and on-farm demonstrations can help farmers understand the potential and learn how to integrate these technologies into their farming practices. In general, more research and practical implementation of biocapsules and nano-chitosan in strawberry cultivation can improve the productivity, stability and quality of the fruit, which will benefit farmers and consumers.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	1- Upon reviewing the document snippets, it is clear that the language and English quality of the article is suitable for scholarly communications. The document provides relevant information and properly cites the sources it references. The language used is technically accurate and appropriate for academic discussions in the field of agricultural research. Additionally, the document follows proper citation conventions, using numbered referencing to indicate the sources of information. Therefore, based on the evidence provided, it can be concluded that the language and English quality of the article are suitable for scholarly communications.	
Optional/Generalcomments	**To accept the article, you need to include a figure, table and chart in the article.**	

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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?	*(If yes, Kindly please write down the ethical issues here in details)*	

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