

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_116483
Title of the Manuscript:	A COMPREHENSIVE REVIEW ON USE OF NANO FERTILIZERS IN AGRICULTURE
Type of the Article	Review Article

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? 2. Is the title of the article suitable? 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. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>This manuscript is indeed important for the scientific community as it provides a comprehensive review of the use of nano fertilizers in agriculture. With the global population increasing and environmental concerns rising, finding sustainable ways to enhance crop productivity while minimizing environmental impact is crucial. This review addresses these challenges by exploring the potential benefits and drawbacks of nano fertilizers, offering valuable insights for researchers, policymakers, and practitioners in the field of agriculture and nanotechnology.</p> <p>The title of the article, "A Comprehensive Review on Use of Nano Fertilizers in Agriculture," effectively summarizes the content of the manuscript. However, if you're looking for alternatives, you might consider something like "Nano Fertilizers: Enhancing Agricultural Sustainability" or "Unlocking the Potential of Nano Fertilizers in Modern Agriculture."</p> <p>The abstract of the article is comprehensive, providing a succinct overview of the key points discussed in the manuscript. It effectively summarizes the importance of nano fertilizers, their benefits, challenges, and potential impact on sustainable agriculture.</p> <p>The subsections and structure of the manuscript appear appropriate, with clear delineation of different topics such as introduction, advantages, disadvantages, specific types of nano fertilizers, and their impact on crop growth. Each section flows logically into the next, facilitating understanding and navigation through the manuscript.</p> <p>The manuscript appears to be scientifically correct, with information supported by references to relevant literature and research findings. However, it's always important to ensure that all claims are backed by credible sources and that any potential biases or limitations are acknowledged and addressed.</p> <p>Yes</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Yes</p>	
<p>Optional/General comments</p>	<p>Your review article on the use of nano fertilizers in agriculture is comprehensive and covers various aspects of this emerging technology. Here's some feedback and potential issues to consider:</p> <ol style="list-style-type: none"> 1. **Abstract and Introduction:** <ul style="list-style-type: none"> - Your abstract provides a concise overview of the topic, highlighting the benefits and challenges of nano fertilizers. It effectively summarizes the key points of your review. - The introduction sets the stage well by defining nanotechnology and its relevance in agriculture. It effectively presents the motivation for exploring nano fertilizers as an alternative to conventional fertilizers. 	

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	<p>2. Content Organization:</p> <ul style="list-style-type: none"> - The article is well-organized with clear sections covering the introduction, advantages, disadvantages, specific types of nano fertilizers, and their impact on crop growth. - Each section provides valuable insights and supports the overall narrative of the article. <p>3. Technical Details and References:</p> <ul style="list-style-type: none"> - You provide technical details about nano fertilizers, including their composition, mechanisms of nutrient release, and comparative analysis with conventional fertilizers. This adds depth to the review. - References are provided throughout the article to support the claims and findings, enhancing credibility. <p>4. Figures and Tables:</p> <ul style="list-style-type: none"> - The inclusion of Figure 1 and Tables 2 and 3 helps visualize data and make comparisons between different types of nano fertilizers and their impact on wheat growth. This aids in understanding the practical implications of using nano fertilizers. <p>5. Conclusion:</p> <ul style="list-style-type: none"> - Your conclusion effectively summarizes the key points discussed in the review and reiterates the importance of nano fertilizers in sustainable agriculture. - It would be helpful to include a brief discussion on future research directions or potential areas for improvement in nano fertilizer technology. <p>Potential Issues to Address:</p> <ul style="list-style-type: none"> - Clarity and Consistency: Some sentences are long and complex, which may make it challenging for readers to follow the flow of ideas. Consider breaking them down or rephrasing for clarity. - Phytotoxicity Section: Expand on the discussion of phytotoxicity associated with nano fertilizers. Provide examples or case studies to illustrate this phenomenon. - Language and Grammar: Proofread the article for grammatical errors and inconsistencies in language usage. <p>Overall, your review article provides valuable insights into the use of nano fertilizers in agriculture and offers a comprehensive overview of the topic. With some minor revisions for clarity and additional discussion on certain aspects, it could be ready for publication.</p>	
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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)	

Reviewer Details:

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