

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_125503
Title of the Manuscript:	EFFECT OF GREEN SYNTHESIZED SILVER AND ZINC NANOPARTICLES ON SEED QUALITY OF MAIZE
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript appeals to me. A new field of study, nanotechnology has several uses in agriculture. Compared to chemical and physical synthesis, green produced nanoparticles are safer, more affordable, and environmentally friendly.	
Is the title of the article suitable? (If not please suggest an alternative title)	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.	comprehensive	
Are subsections and structure of the manuscript appropriate?	yes	
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.	<p>This manuscript is scientifically correct. It was written in a correct and consistent scientific style. The language is clear and simple. There are a few errors that can be corrected.</p> <p>The introduction should ideally be divided up into the following paragraphs:</p> <ol style="list-style-type: none"> 1. The value of corn as a human and animal food source, the area cultivated locally, and its average production 2. Nanotechnology, the distinctions between physical, chemical, and green nanosynthesis, and the rationale behind the preference for green nano 3. An explanation of the function of nanozinc and how it contributes to growth 4. An explanation of nano silver's significance <p>More current sources that are within the previous ten years are cited in each paragraph.</p> <p>Additionally ,the synthesis process for the green nanoparticles employed in the study should ideally be mentioned in the Materials and Methods section.</p>	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	<p>There are not enough contemporary references in the research.The revised manuscript indicates that references are required in several paragraphs.</p> <p>The following research can be added :</p> <p>Effect of Spraying Dates with Concentrations of Nano-Zinc on some Maize Growth Traits, Yield Quality Traits and Field Emergence. Yield Traits Adawiya Sajid Mustafa Al-Rawi¹, Naseer Faraj Shachai² and Saddam Hakeem Cheyed³ Published under licence by IOP Publishing Ltd IOP Conference Series: Earth and Environmental Science, Volume 1371, Field Crops and Medicinal Plants Citation Adawiya Sajid Mustafa Al-Rawi <i>et al</i> 2024 <i>IOP Conf. Ser.: Earth Environ. Sci.</i> 1371 052017 DOI 10.1088/1755-1315/1371/5/052017 .</p> <p>Effect of seed priming with zinc oxide nanoparticles on growth rate and antioxidant system of maize seedling (Triple- hybrid 321) under salinity stress. JES Vol. 28, No. 1, 14-23 (2022) 14</p>	

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	Journal of Environmental Studies [JES] https://jesj.journals.ekb.eg/ An International Journal doi: 10.21608/JESJ.2022.158104.1028. The impact of silver nanoparticles on the growth of plants: The agriculture applications Sajad Khan a, Muhammad Zahoor b,*, Raham Sher Khan a, Muhammad Ikram c, Noor Ul Islam. Heliyon 9 (2023) e16928	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments		

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>	

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