

Review Form 3

Journal Name:	Asian Journal of Advances in Agricultural Research
Manuscript Number:	Ms_AJAAR_120916
Title of the Manuscript:	Piper nigrum Leaf Extract-Mediated Synthesis of Copper Oxide Nanoparticles and Their Antimicrobial Activity Against Soil Phytopathogens
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 is important for the scientific community as it presents a sustainable and eco-friendly approach to synthesizing copper oxide nanoparticles using Piper nigrum leaf extract. The innovative method reduces the reliance on hazardous chemicals and aligns with the principles of green chemistry.	
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.	Yes	
Are subsections and structure of the manuscript appropriate?	I appreciate the manuscript for its interdisciplinary approach, combining plant biology, nanotechnology, and microbiology to address a significant agricultural challenge.	
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.	This manuscript appears scientifically robust and technically sound due to its comprehensive methodology and thorough characterization of the synthesized copper oxide nanoparticles. The use of well-established techniques, such as UV-Vis spectroscopy, X-ray diffraction, and transmission electron microscopy, ensures accurate and reliable identification of the nanoparticles' properties.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	Additionally, the antimicrobial activity assays, including agar well diffusion and minimum inhibitory concentration determination, are standard and widely accepted methods for evaluating antimicrobial efficacy. The detailed experimental procedures and reproducibility of results further support the scientific validity of the study, making it a credible contribution to the field.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of an article are crucial for its acceptance in scholarly communications. The language should be clear and precise, conveying the study's objectives, methods, results, and conclusions effectively. Ensure that the language used clearly describes your study without ambiguity. Each sentence should contribute to the reader's understanding.	
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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Reviewer Details:

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