

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	

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PART 1: Review Comments

Compulsory 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 because it explores the pharmacological potential of Piper nigrum, a commonly used spice, in modern medicine. By examining its various bioactive compounds and their therapeutic effects, the study can bridge traditional medicine and contemporary pharmacology. I like this manuscript because it provides a comprehensive overview of Piper nigrum, integrating historical uses with modern scientific findings. However, the manuscript could benefit from a more critical discussion of the limitations of current research and the challenges in translating these findings into clinical applications.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title of the article is 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.	The abstract of the article is comprehensive but could be improved by including specific examples of the bioactive compounds studied and their observed effects. For instance, mentioning key compounds such as piperine and their specific pharmacological activities, like anti-inflammatory and antioxidant properties, would provide a clearer overview of the study's findings.	
Are subsections and structure of the manuscript appropriate?	The subsections and structure of the manuscript are appropriate, providing a logical flow.	
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 is scientifically robust and technically sound as it draws on a wide range of studies to support its claims. It systematically reviews the pharmacological effects of Piper nigrum, providing evidence from both in vitro and in vivo studies. The inclusion of detailed mechanistic insights further strengthens the scientific validity of the manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient and recent, but some references such as those from 2009 should be omitted/changed. However, the manuscript could benefit from including more recent clinical trials or meta-analyses to provide a more up-to-date perspective on the therapeutic potential of Piper nigrum.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article are suitable for scholarly communications. However, a few minor grammatical corrections and stylistic improvements could enhance readability and clarity.	
Optional/General comments		

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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>	

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