



SDI Review Form 1.6

Journal Name:	South Asian Journal of Research in Microbiology
Manuscript Number:	Ms_SAJRM_46186
Title of the Manuscript:	Biosynthesis and characterization of silver nanoparticles produced by plant extracts and its antimicrobial activity
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link: (<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

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	<p>1. Abstracts need to rephrase requiring Standard English editing.</p> <p>2. In the introduction part: (a) the authors need to incorporate supporting statement with recent references; (b) use of nanoparticles and their toxicity in biotic and abiotic elements are needed to describe in the introduction part; (c) the basis and reasons of using different plants parts, as well as the chemicals that play role in synthesizing nanoparticles are needed to justify.</p> <p>5. In the materials and methods part: (a) sources of materials used in the experiments are needed to mention; (b) clear description of methods is necessary for reproducibility; (c) reference should be there in the methodology part of characterization of nanoparticles; (d) the antimicrobial tests and associated results for fungus and bacteria should follow the universal standard methods and guidelines (such as Kirby–Bauer methods and CLSI guidelines) for easy comparability with different clinical and field trials; (e) concentrations of silver nanoparticles used in the study are very high (such as 20 µL of 100, ...600 mg/mL), which requires additional cytotoxicity test to enumerate their safe use without harming animals, plants or environments.</p> <p>6. In the results and discussion part: (a) a good quality picture is necessary for Figure , 3 and 4; (b) probable functional groups as against different FTIR spectral bands and their role in nanoparticles synthesis are needed to describe; (c) comparative study for antimicrobial potentials of different formulations should be harmonized with similar mode of expression, not likely that as mentioned at line 326 (viz., Highest zone of inhibition was observed in 25 µg/ml of 27 ± 5 nm size zinc oxide nanoparticles....)</p> <p>7. Conclusions and recommendations should be there under the light of the research findings.</p>	<ol style="list-style-type: none"> 1. We rewrite the abstract according to reviewer comments. 2. We clarify the scale bar in the SEM and TEM image. 3. We added it according to reviewer comments. 4. We added it according to reviewer comments. 5. We corrected it according to reviewer comments. 6. We clarify it according to reviewer comments. 7. We added the original FT-IR data according to the reviewer comments. 8. We wrote up all peaks for characterized functional group. 9. We added conclusion for the manuscript
Minor REVISION comments		
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>	