



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	Ms_BJAST_25686
Title of the Manuscript:	Silver nanoparticles as inhibition agent of cooling tower microorganisms
Type of the Article	Original research paper

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>)



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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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	The manuscript is related to preparation of silver nanoparticles as biocidal agent to be inserted in the water cooling towers. The proposal is interesting and its application apparently viable, from data obtained with the antibacterial activity of the compound.	We thank the reviewer for the constructive comments on the manuscript.
	However, is a question: viability of particles and its control/maintenance of cooling water?. This can be clarified in the discussion item. The manuscript incorporates the possibility of use of a new compound as biocide and minimize bacterial contamination in water cooling towers.	We agree with the reviewer. Viability is important once nanoparticles must resist rude conditions within cooling towers. Due to this we wrote in the former version "...the easy and fast synthesis of silver nanoparticles here reported is suitable to design advanced antimicrobial treatments for cooling towers." As an advice for the readers, we added the next paragraph in the discussion section: "Another fact indicating viability to use silver nanoparticles in cooling towers is the stability of suspensions, at least, the stored suspensions do not precipitated after six months. However, it is recommended to study the effect of more real working conditions on silver nanoparticles before a final application, for example, the drastic temperature changes of cooling water, adhesion of nanoparticles on tower inner walls and removal of nanoparticles after the life-time."
	Check the item's formatting references.	References were revised and modified.
<u>Optional/General</u> comments		