



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_67925
Title of the Manuscript:	DISINFECTION OF TANK WATER USING BIOGENIC SILVER NANOSILICA AS ANTI-MICROBIAL AGENTS IN JEDDAH CITY
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/journal/10/editorial-policy> )



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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)
<b>Compulsory</b> REVISION comments	<p>The authors describe the antimicrobial activity of polyurethane foam coated nano-silica silver nanoparticles for use in water treatment.</p> <p>I have some comments:</p> <ol style="list-style-type: none"> <li>a. I suggest that the authors modify the manuscript's title. The title could be: <b>ANTIMICROBIAL ACTIVITY OF POLYURETHANE FOAM COATED NANO-SILICA SILVER NANOPARTICLES ON TANK WATER FROM JEDDAH CITY.</b></li> <li>b. Authors must correct errors in the scientific nomenclature of microorganisms and spelling errors in the manuscript.</li> <li>c. Could the authors mention why each site was sampled only once? A more significant number of samples from the same location would strengthen their work.</li> <li>d. The authors could mention Why did they use 0.45um filters to filter the water samples? A 0.22um filter would have helped them retain all the bacteria and fungi present in the water samples.</li> <li>e. I recommend using CFU in Figure 2, as shown in Table 5</li> <li>f. The results could be better presented. For example, in figure 2, the points should not be joined by a line because they correspond to different samples.</li> <li>g. In evaluating the Antimicrobial activity of NSAgNPs, a positive control is necessary to show an effect similar to antibiotics (it could be an antibiotic to which the bacteria/fungus was susceptible).</li> <li>h. Remove the word "microorganisms" from figure 6. Place the bars of the graph horizontally.</li> <li>i. I suggest that Table 6 be plotted on a line graph to see the decline in CFU versus time. Positive control and negative control (no treatment) is also required in this assay.</li> <li>j. TEM assays can demonstrate the interaction between nanoparticles-microorganisms and nanoparticles-MCF-7 cells.</li> <li>k. The authors do not show statistical analysis in any assay. Please could you present it in the figures and tables?</li> </ol>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		



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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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