

Review Form 1.6

Journal Name:	Journal of Applied Life Sciences International
Manuscript Number:	Ms_JALSI_84314
Title of the Manuscript:	Antimicrobial activity of iron oxide nanoparticles stabilized by alginate
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:

(<https://www.journaljalsi.com/index.php/JALSI/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)
Compulsory REVISION comments	<ul style="list-style-type: none">- The author(s) are kindly requested to cite recent work (2020-2022) in the introduction section. Most references are not up to date.- Is it possible to determine the particle size of the synthesized nanoparticles using Tem image or the crystallite size using the XRD measurements? <p>-The EDS spectrum reveals the presence of Na and C in addition to Fe and O, the authors should justify the presence of these elements.</p>	<p>Done</p> <p>The size distribution of the nanoparticles was shown in the histogram. The average diameter of the synthesized nanoparticles was found to be 12.5 ±1.2 nm. The size distribution ranges from 10 – 15 nm with the majority of the nanoparticles between 12 – 13 nm having the highest distribution.</p> <p>The additional peaks of C and Na seen in the spectrum was attributed to sodium alginate used in the synthesis of the nanoparticles.</p>
Minor REVISION comments	<ul style="list-style-type: none">- The English of the manuscript can be improved, (proper usage of articles, singular, plural, subject verb agreement) etc.	<p>Done</p>
Optional/General comments	The authors can compare the antimicrobial activity of the prepared NPs with previous studies and mention the novelty of their work.	<p>Already done in discussion section</p>

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?	(If yes, Kindly please write down the ethical issues here in details)	No ethical issues