



SDI Review Form 1.6

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_45799
Title of the Manuscript:	Evaluation of the Anti-Microbial Activity of Zero valent iron nanoparticle synthesized using Aspillia plorizeta extracts
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>)



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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	<p>The authors made Evaluation of the Anti-Microbial Activity of Zero valent iron nanoparticle synthesized using Aspillia plorizeta extracts. However the study is interested, there some factors and points must be addressed before publications</p> <p>1- Why this extract of plant especially used in the synthesis of Zero valent iron nanoparticles. 2- 1- All the chemicals used in the investigation should be mentioned with their purity. 3-For disc diffusion assay, the following citations must be added:</p> <ul style="list-style-type: none"> Abdel-Rahman, L. H.; El-Khatib, R. M.; Nassr, L. A. E.; Abu- Dief, A. M.; Lashin, F. E., Design, characterization, teratogenicity testing, antibacterial, antifungal and DNA interaction of few high spin Fe (II) Schiff base amino acid complexes, Spectrochim. Acta Part A, 111, 2013, 266 – 276 Abdel-Rahman, L. H.; Abu-Dief, A. M.; El-Khatib, R. M.; Abdel-Fatah, S. M., Some new nano-sized Fe(II), Cd(II) and Zn(II) Schiff base complexes as precursor for metal oxides: Sonochemical synthesis, characterization, DNA interaction, in vitro antimicrobial and anticancer activities Bioorganic Chemistry 69 (2016) 140–152 <p>4- Why dimethyl sulfoxide used as solvent in antibacterial activity? 5-What about TEM measurements for the prepared nanoparticles? 6- Resolution of figures should be enhanced. 7- Why the authors doesn't calculate crystallite size from XRD ?</p>	<p>. Its efficiency in curing various illness that is facilitated by presence of secondary metabolites, and it is the metabolites present that aid in nanoparticle formation. .Chemicals used have been mentioned in revised manuscript, citations also added in disc diffusion assay as recommended. DMSO was used to dissolve the Fe NPs developed and that has also been highlighted. .Figure resolution has also been enhanced, the crystallite size was calculated using Scherer's equation. .In future will incorporate TEM in my analysis, but all is still ok because XRD analysis enabled us determine crystallite size by employing Scherer's equation .</p>
Minor REVISION comments	Please revise the language of the manuscript carefully before publication.	Point well taken.
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?	(If yes, Kindly please write down the ethical issues here in details)	