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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)

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	The authors have studied the Evaluation of the Anti-Microbial Activity of Zero valent iron nanoparticle synthesized using Aspillia plorizeta extracts.	n
	 A lot of literature is available on Zero valent iron nanoparticle synthesized using extracts, it would be better to mention the electrochemical reactions mechanism reduction of iron ion to iron NPs by plant extract. 	
	 Section 2.5 Preparation of iron salt and synthesis of zero valent iron oxide nand wonder the suitability of methods. It seems agglomeration of particles becaus was given for nucleation process. 	
	3. Figure 1 is not good to claim as Fe NPs, no need to mention if having XRD resu	ults.
	4. NO TEM and SEM/EDX images are given.	
	 Fig 3. If FTIR shows Fe-O bond vibration, then it means it is not zero valent authors would justify this?. I don't this peak at 700 belong to Fe-O, ple reference. 	
	6. I am surprised to see the XRD which showing good crystal form of Fe NPs, think not possible. The main peaks of 200 and 202 hkl are missing.	which is I
	7. X-RF spectrophotometer was used to determine elemental composition, results confirmed presence of Fe 31.58%, MgO 12.02%, Al ₂ O ₃ 1.883%, SiO ₂ 13.8-11.14%, K ₂ O 4.699% and CaO 1.522%. This is much confusing and sho samples of Fe NPs are not pure and how it is possible to get such high perc Metal Oxides??	P_2O_5 by that
	8. Conclusion must be rewritten in quantitative form.	
Minor REVISION comments		
Optional/General comments		

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PART 2:

		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)	
If plagiarism is suspected, please provide related proofs or web links.		

Reviewer Details:

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Department, University & Country	Forman Christian College (A Chartered University), Pakistan

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