



SDI Review Form 1.6

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_64422
Title of the Manuscript:	Study of Adsorption Performance of Biochar for Heavy Metals Removal
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:

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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		
Minor REVISION comments	<p>This work provides detail study on the presence of different metals in water resources to draw the attention of the mass towards a serious problem. Therefore, the authors are highly encouraged. However, as long as the quality of the paper is concerned, it requires some minor changes as highlighted in the following questions.</p> <ol style="list-style-type: none"> 1) English of the paper is poor. It needs careful checking. 2) In the abstract some sentences need tense changes. For example the sentence "The main objective of this work was to evaluate....." should be "The main objective of this work is to evaluate.....". 3) The sentence "Heavy metals such as Cadmium (Cd), Copper (Cu), Lead (Pb), and Zinc (Zn) were considered the...." Should be like "Heavy metals such as Cadmium (Cd), Copper (Cu), Lead (Pb), and Zinc (Zn) are considered the....". 4) Heavy metals are not compounds. These are elements as mentioned by the author "the most harmful compounds produced from the chemical-intensive industries.....". 5) Introduction should be in present tense but the author used past tense as clear from the following sentences. <ol style="list-style-type: none"> i) If the concentrations of these heavy metals overtook the limited dose, they caused serious diseases for health..... correct sentence: If the concentrations of these heavy metals overtake the limited dose, they cause serious diseases for health..... ii) Heavy metals treatment techniques, which were commonly used.... correct sentence: Heavy metals treatment techniques, which are commonly used.... iii) Adsorption was regarded to be an effective.... correct sentence: Adsorption is regarded to be an effective.... iv) In Egypt, there were different types of biochar which were always available.... correct sentence: In Egypt, there are different types of biochar which are always available... v) High amounts of heavy metals were gathered in the body of humans from the food chain of the living organisms. correct sentence: High amounts of heavy metals are gathered in the body of humans from the food chain of the living organisms. 6) Please mentioned some of the worst effects produced by heavy metals by citing the following papers. <ol style="list-style-type: none"> i) R. Nazir, M. Khan, R. U. Rehman, S. Shujah, M. Khan, M. Ullah, A. Zada, N. Mahmood, I. Ahmad, Adsorption of selected azo dyes from an aqueous solution by activated carbon derived from <i>Monotheca buxifolia</i> waste seeds, <i>Soil Water Res.</i> 15 (2020) 166-172. ii) M. Ullah, R. Nazir, M. Khan, W. Khan, M. Shah, S. G. Afridi, A. Zada, The effective removal of heavy metals from water by activated carbon adsorbents of <i>Albizia lebbek</i> and <i>Melia azedarach</i> seed shells, <i>Soil Water Res.</i> 15 (2020) 30-37. 7) the correct form of the sentence "Summarized the removal efficiencies of heavy metals by biochars types at different particle sizes of biochars" is "Summary of the removal efficiencies of heavy metals by different biochars with different particles size". On the same way all other tables need such corrections. 	



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	<p>8) please cite the following papers to improve the quality of the paper.</p> <p>i) Z. Hussain, A. Zada, K. Hussain, Muhammad Y. Naz, N. M. A. Salam, K. A. Ibrahim, Preparation of activated porous glass adsorbent through thermochemical reforming of ampoules and eggshells for remediation of direct blue dye pollution, Asia-Pacific J. Chem. Eng. https://doi.org/10.1002/apj.2610</p> <p>ii) A. Ali, Z. Hussain, Muhammad Zahid, L. Qamar, A. Zada, Muhammad B. Arain, S. Muhammad Salman, K. Mohammed Khan, Spectrophotometric analysis of selected metal ions using microwave assisted in situ complexation, Int. J. Environ. Anal. Chem. (2020) 1-16.</p> <p>iii) W. A. Khan, Muhammad B. Arain, H. Bibi, M. Tuzen, N. Shah, Amir Zada, Selective electromembrane extraction and sensitive colorimetric detection of copper(II), Z. Phys. Chem. (2020) https://doi.org/10.1515/zpch-2020-1761</p> <p>iv) K. Qi, S. Liu, A. Zada, Graphitic carbon nitride, a polymer photocatalyst, J. Taiwan Inst. Chem. Eng. 109 (2020) 111-123.</p>	
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?	<i>(If yes. Kindly please write down the ethical issues here in details)</i>	

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