

Review Form 1.7

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| Journal Name: | Asian Journal of Applied Chemistry Research |
| Manuscript Number: | Ms_AJACR_102383 |
| Title of the Manuscript: | Composite material of clay-biochar for cadmium ion removal from water |
| 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.journalajacr.com/index.php/AJACR/editorial-policy>)

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) |
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| <p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p> | <p>The authors reported the composite material of clay-biochar for cadmium ion removal from water. Some revisions are suggested before publication.</p> <p>1. The experiment conditions should be mentioned in captions of all Figures (such as pH, catalyst dosages, pollutant concentration and etc.)</p> <p>2. In the introduction, the advance of biochar from different plants should be introduced comprehensively.</p> <p>3. The advances of nanotechnology in the treatment of wastewater, e.g. Advanced Fiber Materials, 2023, 5, 994-1007; Sep. Purif. Technol., 2023, 304, 122401, J. Mater. Sci. Technol., 2023, 164, 59-67; Appl. Surf. Sci., 2023, 610, 155346, etc. should be introduced, to emphasize this significance of this research.</p> <p>4. In experimental part, the preparation method should be given in detail.</p> <p>5. Some advanced heterojunction nanomaterials for heavy metal removal should be introduced to keep abreast of the latest research trends. e.g.: Chinese Journal of Catalysis, 2022, 43, 2652–2664; Advanced Powder Materials, 2023, 2, 100073; Chem. Eng. J., 2023, 455, 140943; etc.</p> <p>6. How is the behavior of the biochar versus different pHs.</p> <p>7. The format of the references should be checked, some information of references is missing, thus the "Doi:" is suggested be added.</p> | |
| <p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | Minor revision | |
| 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) |
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| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) | |

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Reviewer Details:

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