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| Journal Name: | [**Journal of Engineering Research and Reports**](https://journaljerr.com/index.php/JERR) |
| Manuscript Number: | **Ms\_JERR\_141423** |
| Title of the Manuscript: | **Adsorption of COD and BOD from slaughterhouse wastewater using stabilized solid waste materials** |
| Type of the Article | **Research article** |

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| **PART 1: Comments** | | |
|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript offers a practical solution to treat slaughterhouse wastewater using locally available waste materials, promoting sustainability and waste valorization. It provides detailed experimental data and modeling that can guide future research and practical implementations in wastewater management. The approach aligns with global efforts to develop environmentally friendly and economical treatment techniques, making it valuable for  researchers and practitioners alike. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Yes, the title is appropriate and clearly reflects the content of the manuscript. |  |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | The abstract effectively summarizes the study's objectives, methodology, key results, and conclusions. However, it could be improved by explicitly mentioning the significance of the findings, such as potential applications or environmental impact. A brief statement on the unique aspect of using stabilized solid waste could also enhance clarity. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Based on the information provided, the study appears scientifically sound. The experimental design, adsorption modeling, and interpretation of results are consistent with established practices. A detailed review of data analysis and statistical validation would be necessary for a  thorough assessment, but no apparent flaws are evident from the summary. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | The references cited seem appropriate and include recent studies pertinent to slaughterhouse wastewater treatment and adsorption processes. Including more recent literature (post-2020) could strengthen the manuscript further, especially on advances in waste reuse and adsorption modeling. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | The language is clear and suitable for scholarly communication. Minor grammatical and typographical corrections could improve readability. |  |
| **Optional/General** comments | The manuscript addresses a significant environmental challenge using a resourceful and sustainable approach. Clarification on the scalability of the process and economic analysis would be beneficial for readers interested in practical implementation. Additionally, discussing potential limitations or challenges in real-world applications would add depth. |  |

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| **PART 2:** | | |
|  | **Reviewer’s comment** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Are there ethical issues in this manuscript?** | No. |  |

**Reviewer details:**

**Adel A.M. Saeed, University of Aden, Yemen**