

ReviewForm3

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| JournalName: | InternationalJournalof EnvironmentandClimateChange |
| ManuscriptNumber: | Ms_IJECC_121899 |
| TitleoftheManuscript: | USINGSUGARCANE BAGASSE AS AN ADSORBENT MATERIAL TO REMOVE IRON FROM WATER |
| TypeoftheArticle | Research |

PART1: ReviewComments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|---|---|--|
| <p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p> <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>Since sugarcane bagasse is a solid waste and the obtained iron removal efficiencies are very high, the research can make a considerable impact within the scientific community.</p> | |
| <p>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.</p> | <p>It is suggested to delete the word 'material' from the title. Then the title will be as follows: USINGSUGARCANE BAGASSE AS AN ADSORBENT TO REMOVE IRON FROM WATER</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>No. Introduction: The key outcomes and outputs of the research conducted so far on using sugarcane bagasse as an adsorbent need to be presented with citations. Additionally, the areas where further research is needed to advance knowledge in this field, should be highlighted. There is no single citation in the 'Introduction', which is a serious drawback of this manuscript. Methods The methodology for preparing sugarcane bagasse adsorbent appears to be based on existing literature; however, the sources have not been cited. If this methodology had not been derived from past research, then a detailed rationale for each step taken should have been provided. A detailed explanation of the standard method for iron analysis in water is not necessary in this section. This information can be more appropriately covered in a supplementary document. It is sufficient to mention the name of the standard analysis method here. The 'Method' section needs to be rewritten to clearly convey the information without any ambiguity. y. Results and Discussion: The quality of the graphs is weak. Some axes are not labelled. Some axes have no consistent graduations (the x-axis of Figure 1).</p> | |
| <p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technical?</p> | <p>Though the research has very good results, the presentation of the work is weak. The degree of novelty of the research is low.</p> | |

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| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> | <p>The 'Introduction' section lacks citations. Although the use of sugarcane bagasse for heavy metal removal is not a novel topic, the manuscript should provide a thorough review of existing research in this area and identify any remaining research gaps. To contribute meaningfully to the field, the current study should</p> | |
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| Minor REVISION comments | | |
| Is the language/English quality of the articles suitable for scholarly communications? | Yes | |
| 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? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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|----------------------------------|---------------------------------|
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| Department, University & Country | University of Ruhuna, Sri Lanka |