

**ReviewForm3**

JournalName:	<b>InternationalJournalof EnvironmentandClimateChange</b>
ManuscriptNumber:	<b>Ms_IJECC_121899</b>
Titleof theManuscript:	<b>USINGSUGARCANE BAGASSEASAN ADSORBENT MATERIAL TO REMOVE IRON FROM WATER</b>
Typeof the Article	

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**PART1: ReviewComments**

<p><b>Compulsory</b> REVISION comments  <b>Author's Feedback</b> (Please correct the manuscript and highlight that part)</p>	<p><b>Reviewer's comment</b></p>	
<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>This manuscript explores the potential of sugarcane bagasse as an adsorbent material for the removal of iron from water. The study is well-structured, with comprehensive sections covering the preparation and characterization of the adsorbent, as well as detailed investigations into various parameters affecting adsorption efficiency. The results are promising and suggest that sugarcane bagasse could be a cost-effective and environmentally friendly solution for water treatment applications. However, there are several areas that need clarification, improvement, and further elaboration.</p>	<p>in the manuscript. It is mandatory that authors should write his/her feedback here)</p>
<p>Is the title of the article suitable? (If not please suggest an alternative title)</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>The abstract provides a good summary but would benefit from more specific data, such as the maximum adsorption capacity and the conditions under which optimal removal efficiency was achieved.</p>	
<p>Are subsections and structure of the manuscript appropriate?  Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>The method for the preparation of the sugarcane bagasse adsorbent is thorough. However, more details on the rationale behind the chosen chemical treatments (e.g., why NaOH and citric acid were used) would be beneficial. In the "Iron determination method" section, the process of boiling with <math>KMnO_4</math> in an acidic medium and subsequent reactions should be described with more detail, including any potential interferences and how they were managed.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>It would be helpful to include the specific conditions (temperature, shaking speed, etc.) for the adsorption experiments.</p>	

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<p><u>Minor</u>REVISIONcomments</p> <p><b>Isthe language/English quality of the articles suitable for scholarly communications?</b></p>		
<p><u>Optional/General</u>comments</p>	<p><b>Technical Corrections:</b>            Grammar and Style:            There are several minor grammatical errors and awkward phrasings throughout the manuscript. For example, in the abstract, "Batch adsorption experiments were conducted to evaluate the influence of various parameters including initial iron concentration, contact time, pH and adsorbent dosage" should be rephrased for clarity. Ensure consistent use of units and scientific notation (e.g., "20 mg/L" instead of "20 mg/l").</p> <p><b>Formatting:</b>            References should be formatted according to the journal's guidelines. Ensure all tables and figures are numbered and referenced correctly in the text.</p> <p><b>Questions:</b></p> <ul style="list-style-type: none"> <li>- How does the adsorption capacity of sugarcane bagasse compare with other commonly used adsorbents under similar conditions?</li> <li>- What is the long-term stability and reusability of the sugarcane bagasse adsorbent after multiple adsorption-desorption cycles?</li> <li>- Can the method be scaled up for industrial applications, and what are the potential challenges?</li> <li>- Were there any notable differences in the performance of the adsorbent material with different types of water (e.g., groundwater, surface water)?</li> </ul>	

### 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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

### Reviewer Details:

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