

Review Form 3

Journal Name:	Journal of Geography, Environment and Earth Science International
Manuscript Number:	Ms_JGEESI_123074
Title of the Manuscript:	Harnessing Data-Driven Techniques and Data Analytics in Water Treatment Facilities: Innovative Safety Protocols and Process Optimization
Type of the Article	

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PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<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>Ensuring that water remains a sustainable resource globally hinges on the effective use of water treatment facilities. To achieve this, it is crucial to monitor and assess water quality systematically. This necessity has led to advancements in the operation and optimization of water treatment facilities, driven by data-driven techniques and the application of data analytics.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p style="text-align: center;">Yes</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 of the article can be single paragraph without headings.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p style="text-align: center;">Yes</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 technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>This review article critically evaluates the use of data-driven methods and data analytics in water treatment facilities, while also addressing innovative safety protocols and process optimization. It covers the fundamental principles of water treatment and explores the application of data-driven techniques. The discussion includes safety protocols specific to water treatment facilities and elaborates on the use of machine learning and artificial intelligence in this context. Additionally, the article considers artificial intelligence as a tool for optimizing data analytics in water treatment processes.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p style="text-align: center;">Yes, but it should be cited in the text.</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p style="text-align: center;">Yes, the quality of the language is fine.</p>	
<p><u>Optional/General</u> comments</p>	<p style="text-align: center;">-</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
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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