

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	Review

Review Form 3

PART 1: Review Comments

Compulsory 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>
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.	The manuscript needs more attention, the gap and research direction is not fully described by authors. All the information and texts look like a book chapter. Authors must ensure to critically examine the available literature and provide a comparasion among various data, along with their personal opions.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is lengthy and no specific authors should revise it. Or provide more details about Data-Driven Techniques and analytics, trends, and their tabulated comparisons.	
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 is extra lengthy without any fruitful representation of the manuscript data. As a reader, I find zero information, on what the authors included in the manuscript, and what were the objectives and opinions of the authors. The abstract must be short and conscious that, a new reader can understand your work easily.	
Are subsections and structure of the manuscript appropriate?	A review article on harnessing data-driven techniques and analytics in water treatment facilities should cover the need for these methods, their role in safety protocols and process optimization, the challenges faced, and future oppourtunities, providing a comprehensive overview of their impact on operational efficiency, risk management, and sustainability. The Figures are not enough, also the discussion and included data is not enough.	
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>Figure 1: Applicable AI models for data driven and analytics optimization of water treatment facilities. This figure is not fully described.</p> <p>Artificial neural network (ANN) is a sub-set of the AI data-driven tools with prevailing attributes and wide applications in water treatment facilities. Figure 2 is the structure and arrangement of a typical ANN. Add more description. Its nor reader friendly.</p> <p>SAFETY PROTOCOLS IN WATER TREATMENT FACILITIES: Add subsection and relevant figures to describe it diagrammatically.</p> <p>ARTIFICIAL INTELLIGENCE AS DATA ANALYTICS OPTIMIZATION TOOL FOR WATER TREATMENT FACILITIES: Provide proper example to better understanding and also compare with literature data.</p>	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Should be increased. At least more than 80, from recent 10 years.	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments		

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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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