

Review Form 1.7

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_115745
Title of the Manuscript:	To develop ground water quality index using Fuzzy AHP at Tamsa watershed
Type of the Article	

PART 1: Review Comments

	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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. This manuscript investigates the water quality of the Tamsa watershed using the Fuzzy Analytical Hierarchy Process (FAHP) to develop a water quality index (WQI). This research is relevant to environmental science, water resource management, and public health.</p> <p>2. The current title, "To develop ground water quality index using Fuzzy AHP at Tamsa watershed", is acceptable.</p> <p>3. The abstract provides a general overview of the study but could be more concise and impactful. It should highlight the key findings and the novelty of the FAHP approach in this context.</p> <p>4. The structure is appropriate.</p> <p>5. The manuscript presents a promising approach to assess groundwater quality using Fuzzy AHP.</p> <p>6. The references you provided have a good mix of relevance to water quality and the use of fuzzy AHP. However, there's room for improvement:</p> <ul style="list-style-type: none"> ❖ Keep references 1, 5, 6, 9, 10, and 11. These provide good background information. ❖ Consider replacing references 2, 3, and 4 with more recent studies on WQI, ideally using Fuzzy AHP. ❖ Add 2-3 recent publications (within the last 3-5 years) that specifically focus on Fuzzy AHP for WQI development in groundwater assessment. 	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The writing is clear and concise, focusing on the scientific aspects of the research.</p>	
<p>Optional/General comments</p>		

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

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