

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_130033
Title of the Manuscript:	Groundwater Treatment by Electromagnetic Polarization
Type of the Article	Original Research Article

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PART 1: 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. A minimum of 3-4 sentences may be required for this part.	<ol style="list-style-type: none"> 1) The introduction needs more improvement to show the bases of research and lack of information guided to the objective of work. Also, its too long and not connected 2) What is the purpose of using ultrasound diffuser unit? 3) What are specifications adopted in testing parameters in Table 1? 4) What does mean magnetic nanoparticles? 5) The circulation time described in Table 2 are very short! 6) The testing methodology is not clear!!! What does mean first scheme? 7) Almost 0.5 and 0.75 tesla are similar and 1 and 1.25 T are similar, why author(s) repeated if are identical? 8) The conclusions are very short and general which not reflect the results of good work in new theme of science. 9) Please refer to the following references <ol style="list-style-type: none"> a) Karkush MO, Ahmed MD, Al-Ani S. Magnetic Field Influence on The Properties of Water Treated by Reverse Osmosis. Engineering, Technology & Applied Science Research. 2019 Aug 1;9(4). b) Jawad SI, Karkush M, Kaliakin VN. Alteration of physicochemical properties of tap water passing through different intensities of magnetic field. Journal of the Mechanical Behavior of Materials. 2023 Mar 7;32(1):20220246. c) AL-Ani SM, Karkush MO, Zhussupbekov A, Al-Hity AA. Influence of magnetized water on the geotechnical properties of expansive soil. InModern Applications of Geotechnical Engineering and Construction: Geotechnical Engineering and Construction 2021 (pp. 39-50). Springer Singapore. d) Saba J, Mahdi K. Shear strength and chemical properties of soft clayey soil treated with magnetized water. Magazine of Civil Engineering. 2023;124(8):12406. 	
Is the title of the article suitable? (If not please suggest an alternative title)	yes	
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.	yes	
Is the manuscript scientifically, correct? Please write here.	almost	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	yes	
Is the language/English quality of the article suitable for scholarly communications?	Need revision	
<u>Optional/General</u> 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>	

Reviewer Details:

Name:	Mahdi Karkush
Department, University & Country	University of Baghdad, Iraq