

Review Form 3

Journal Name:	Asian Journal of Environment & Ecology
Manuscript Number:	Ms_AJEE_129401
Title of the Manuscript:	Quantifying Heavy Metals in White Clay and Groundwater of Bijoypur: A Comprehensive Study of Potential Impact Analysis
Type of the Article	Original Research Article

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.	This manuscript addressed the critical issue of heavy metal water pollution. The manuscript rigorously quantified heavy metal concentrations, employing proper sampling techniques and adhering to established scientific protocols. The findings were then benchmarked against World Health Organization (WHO) guidelines.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is good, may be added The occurrence and evaluation of heavy metals in water resources	
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 well-written and clearly summarizes the manuscript's aims and results	
Is the manuscript scientifically, correct? Please write here.	The manuscript presents a scientifically robust investigation. The methodologies employed, including sample acquisition, analytical techniques, and data interpretation, are with established scientific principles.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	he references provided effectively contextualize the study within the existing body of knowledge, which is sufficient given the study's scope.	
Is the language/English quality of the article suitable for scholarly communications?	the author Clear writing avoids jargon (or defines it when necessary), used logical sentence structures, presented his ideas in a coherent manner in clear ideas.	
Optional/General comments	For enhanced robustness of the research, an investigation of the aquifer's hydrogeological properties and an analysis of groundwater flow direction were deemed good. This aimed to confirm the influence of leaching and dissolution processes of white clay on groundwater pollution and water rock interaction, in addition to evaluation of major constituents in groundwater such as Na, Ca, Mg, Cl, SO4 and using evolution digrams such as gibbs diagram give good information about groundwater mineralization source. Furthermore, assessing the potential interaction between groundwater and surface water (or the reciprocal influence) was essential, considering groundwater flow dynamics and depth variations.	

Review Form 3

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:	Ehab Zaghlool Hassan
Department, University & Country	Desert Research Center, Egypt