

Review of: "Saltwater Intrusion in Coastal Aquifers: A Comprehensive Review and Case Studies from Egypt"

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Potential competing interests: No potential competing interests to declare.

The manuscript entitled "*Saltwater Intrusion in Coastal Aquifers: A Comprehensive Review and Case Studies from Egypt*" is a global description of saltwater intrusion (SWI) in coastal aquifers, treating Egypt as a case study. It provides definitions and differences regarding the sharp interface and transition zone and then discusses the causes, monitoring factors, and management strategies for this issue. It therefore uses a series of sub-sections to explain each factor separately. However, the introduction and all the sections that follow are considered poor, sometimes consisting of a single sentence. It is therefore recommended either to expand on each paragraph with additional scientific references or to opt for a single introduction that deals with each factor in a general way without the use of sub-sections.

To improve the quality of the work and make it of global interest, references to case studies from places other than Egypt could be included, comparing different methodological approaches or mitigation strategies adopted in other contexts. Currently, it seems to be a summary of various scientific works on saline intrusion in Egypt. But what is the objective of the work, and above all, what is its innovative contribution to the scientific literature?

The paragraph "Limitations and future studies" could be improved because it surely represents the most significant paragraph of the paper.