

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.

Dear authors,

I have read the mentioned paper, and below is my decision as well as my main comments.

The review article focuses on direct saltwater intrusion in coastal regions. It provides a detailed discussion of the principles and mechanisms of seawater intrusion, various methods for investigating seawater intrusion along the coast, and different recharge techniques to control seawater intrusion in these areas. The article also addresses the limitations of these techniques. Overall, it is an excellent review of the topic of direct seawater intrusion, and I commend the authors for their efforts.

The subject is very interesting and important. **My decision is to accept the manuscript with some suggestions.**

This review can represent a preliminary guide for those interested in addressing the topic of salt intrusion, providing a general overview of the mechanisms and the various existing and commonly used methods for investigation.

Perhaps a general overview at the global level or Mediterranean area of this issue could enrich the previous studies section, also adding a comparison with Egyptian studies.

Probably, it would be useful to add a greater number of articles in the section on techniques that can be used in the assessment of salt intrusion in order to provide the reader with a more detailed indication of the specific topic.