

# Review of: "Revitalizing Key Conditions and Integrated Watershed Management Approach to Sustain Water Availability and Agriculture in Semi-Arid Regions"

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Potential competing interests: No potential competing interests to declare.

The paper titled "Revitalizing Key Conditions and Integrated Watershed Management Approach to Sustain Water Availability and Agriculture in Semi-Arid Regions" it synthesizes studies carried out in the field at regional and global level. The manuscript aims to integrate all the research, but several changes are required before acceptance.

The abstract requires some adjustments by adding the objectives and results obtained.

In the introduction, additions are needed to the published studies in the field. In the Introduction part, I suggest discussing the novelty of the analysis and the gap in the knowledge to be addressed by this paper. Also, in this chapter, reference can be made to the study's objectives.

In the second part of the paper, it is necessary to draw up a graphical scheme of the characteristics and challenges related to water availability in agriculture in arid areas.

In this chapter, it's necessary to describe the methodology used in the analysis of water resources management in drylands. Existing methodological issues in the literature need to be structured and introduced as well as addressing perspectives for improvement. The discussion part should be extended to integrate the ideas identified from the domain.

The paper requires some major revision to be accepted for publication in this journal.