

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.

This paper about Review of: Revitalizing Key Conditions and Integrated Watershed Management Approach to Sustain Water Availability and Agriculture in Semi-Arid Regions tries to approach the research carried out in the field at the regional and global level. The work is intended to be an integration of all research, but before being accepted for publication, it needs a series of important changes.

First of all, the abstract must be rewritten in such a way as to summarize the objectives and the results obtained. Then, in the introductory part, the authors should have in mind a wider review of the works published in the field and a much clearer specification of the work's objectives.

In the second part of the paper *Characteristics and challenges of water availability and agriculture in drylands* it is important to have a graphic structure of the characteristics and challenges of water availability and agriculture in drylands to replace figure 1. Also in this part, a brief description of the methodologies used in the analysis of the management of water resources in deficit areas would be necessary. at the level of specialized literature, there are a multitude of methodological issues that must be structured according to the areas analyzed and the results obtained. In this sense, the scientific limitations of these methodologies and models can be analyzed and approached with perspectives to be improved.

The analysis of Key conditions regarding IWSM approach is quite concise, but there are no references to case studies that highlight the need to multiply and develop these methodologies. It is also necessary to have a part of discussions in which the authors integrate their own studies into the general ones and in which the innovative ideas in the field are integrated.

For the level of a Review article, the entire work requires a series of changes (major revision) so that it can be accepted for publication in this journal.