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New Challenges in Water, Soil and Forest Management in Drylands

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Message from the Guest Editor

Dryland ecosystems always suffer from severe drought, erosion, soil and water loss and land degradation, especially in the context of accelerated climatic change and human disturbances. However, a successful restoration of the degraded ecosystems in drylands faces more and more challenges. Due to less precipitation, high water use and evapotranspiration of dense artificial forests, and degraded land soils, the relations among water, soil and forests are quite complex and need more innovative studies. Only when soil–forest–water are in good relations in such fragile water-restricted regions, can a successful land degradation neutrality and ecosystem sustainability be achieved.

This Special Issue is mainly trying to provide a valuable forum for discussing the new challenges of water, soil and forest management in dryland ecosystems. Land degradation can be reversed by reducing water erosion, increasing vegetation diversity and reserving soil water through adjusting plant density as well as their structures.

Prof. Dr. Wei WEI

Guest Editor



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Message from the Editor-in-Chief

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