

Special Issue

Research on Farmland Evapotranspiration, Soil Evaporation and Water Effective Utilization

Message from the Guest Editor

Climate change is progressively increasing temperatures across the globe. In addition, there is an ongoing change in climate patterns, leading to more extreme seasons in temperate regions, as well as an increase in the incidence of extreme events. In many regions, precipitation is becoming scarcer, combined with an increase in crop evapotranspiration due to changes in temperature, air humidity, or insulation. The increasing awareness of desertification and the vulnerability of freshwater ecosystems is also reducing the amount of water available for irrigation. Thus, a more sustainable use of water is required, warranting studies that improve our understanding of crop evapotranspiration, automated soil and plant water status determination, irrigation decision aid systems, soil amendments and irrigation strategies. In this Special Issue, we aim to improve knowledge related to any aspect of enabling the effective use of water, so that farmers can maintain or increase productivity with reduced precipitation or a smaller budget for irrigation water.

Guest Editor

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