Special Issue

Sustainable Irrigation Technologies for Saving Water

Message from the Guest Editor

The problem of water shortage is prevalent throughout the world, especially in some arid areas with fragile agroecosystems, which may limit agricultural production and socio-economic development. Therefore, it is necessary to seek some water-saving measures in all stages of irrigation to achieve sustainable agricultural development. By using the different types of irrigation methods such as drip and sprinkler irrigation, irrigation types such as deficit irrigation and alternate partial root-zoon irrigation, and irrigation engineering measures such as low-pressure pipeline irrigation and the construction of anti-leakage canal systems to improve crop yield and quality, water use efficiency, and adapting different water use patterns can provide a reasonable implementation pathway for sustainable agricultural development worldwide.

Guest Editor

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