

Special Issue

Sustainable Development of Irrigated Agriculture

Message from the Guest Editors

The expected growth of the world population will lead to a high increase in demand for food, but available land upon which to expand agricultural areas on a large scale is limited. In addition, as most areas utilize rainfed agriculture, the solution may be augmenting crop yields, enhancing the efficiency of irrigated agriculture, and promoting the transition from rainfed to irrigated agriculture under water-scarce conditions. However, the intensification and expansion of irrigated agriculture will inflict negative environmental impacts upon already fragile regions. This Special Issue focuses on the sustainable development of irrigated agriculture. The aim is to present original research articles providing highlights of key issues, such as the risks associated with the expansion of irrigated areas in arid and semiarid regions, interactions between agricultural production and the availability of land and water resources, economic efficiency of irrigation, assessment of climate change impacts on irrigated agriculture, and design of water policies and water markets.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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