

Special Issue

Impact of Irrigation or Drainage on Soil Environment and Crop Growth

Message from the Guest Editor

To explore the scientific mechanisms and technological optimization of agricultural water management, this Special Issue focuses on the theme of "Impact of Irrigation and Drainage on Soil Environment and Crop Growth". Our aim is to provide theoretical support and practical guidance for the efficient use and the ecological security of agricultural water resources worldwide. Core topics include, but are not limited to: 1) Irrigation/drainage and Soil Environment; 2) Irrigation/drainage and Crop Growth; 3) Comprehensive Environmental Impact Assessment and Prediction; 4) Technology Integration and Innovation. This Special Issue encourages interdisciplinary research, particularly studies incorporating cutting-edge technologies such as machine learning, remote sensing inversion, and big data analytics. By elucidating the interactions among water, soil, and crops, we aim to advance high-quality development for agricultural irrigation and drainage management.

Guest Editor

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