Special Issue

Conservation Agricultural Practices for Improving Crop Production and Quality

Message from the Guest Editors

Conservation agriculture (CA) may be the answer to these threats. CA is a crop and soil management practice for sustainable agriculture, defined by three related principles: minimum tillage and soil disturbance, permanent organic soil cover, and diversified crop rotations. Adherence to these principles improves soil quality, optimizes yields, and reduces production costs. Conservation practices help minimize soil erosion, directly increase CO2 sequestration in the soil due to increased organic matter, improve the efficiency of water capture and use, stimulate internal C and N cycling, and mitigate greenhouse gas emissions. CA's success is driven by component technologies such as water, weed, and nutrient management strategies to support crops under reduced tillage conditions.

Our aim is to present agricultural practices that combine high production of quality raw materials with the provision of environmental services. Both original research and review articles are welcome.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

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