

Special Issue

Soil Carbon Changes and Greenhouse Gas Emissions under Conservation Tillage Systems

Message from the Guest Editors

Climate change is a global threat that forces farming systems to face new challenges and pressures. Agricultural systems have the ability to adapt to new conditions, as well as serve as mitigation strategies for the negative impacts of climate change. To achieve this goal, it is necessary to shift toward more sustainable soil management practices. One key sustainable practice is conservation tillage because of its positive effects on soil and water conservation. The shift from intensive to conservation tillage systems often results in changes in soil carbon and nitrogen dynamics, which may enhance or reduce the capacity of soil to store carbon and/or to emit soil greenhouse gases (GHG). The Special issue aims to share current knowledge about the implementation of conservation tillage methods as well as their interaction with other relevant agricultural practices, such as irrigation and fertilization management, and their implications on soil carbon and GHG emissions in different agricultural systems.

Guest Editors

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Editor-in-Chief

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