



Soil Carbon Changes and Greenhouse Gas Emissions under Conservation Tillage Systems

Guest Editors:

Dr. Samuel Franco-Luesma

Dr. María Alonso-Ayuso

Dr. Jorge Álvaro-Fuentes

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Message from the Guest Editors

Dear Colleagues,

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.

Dr. Samuel Franco-Luesma

Dr. María Alonso-Ayuso

Dr. Jorge Álvaro-Fuentes

Guest Editors





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Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
Water and Environment
Research, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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