



## Soil Management for Maximizing Carbon Sequestration: Potential for Sustainable Soil Conservation

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Deadline for manuscript  
submissions:

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### Message from the Guest Editors

Soil has recently been recognized as an important sink for atmospheric CO<sub>2</sub>. In the process of sequestering carbon, it is essential that the carbon stays within the plant–soil continuum for a long time, reducing its release into the atmosphere to a minimum.

This SI aims to compile work on a topics related to the sequestration capacity of soil C, and the mechanisms of C transformation and movement within various pools in the soil–plant system (animals, plants, microorganisms, gaseous compounds, etc.); the links between these mechanisms and long- and short-term management interventions or LU changes aimed at protecting/increasing soil carbon stocks; the identification of tools; sustainable management practices or strategies to favor long-term carbon sequestration; and efficient nutrient cycling.

We invite you to contribute scientific experimental studies or data papers (e.g., meta-analyses) that focus on carbon cycling and sequestration; its spatial and temporal variabilities, including on the soil–plant continuum; and the responses of carbon sequestration and cycling to management, and environmental or human disturbances in natural and semi-natural systems.





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