



Soil Carbon and Nitrogen in Agricultural Systems

Guest Editors:

Dr. Laura Zavattaro

Department of Veterinary
Sciences, University of Torino, 2,
Largo Paolo Braccini, IT10095
Grugliasco, Torino, Italy

laura.zavattaro@unito.it

Dr. José Alfonso Gómez

Institute for Sustainable
Agriculture, CSIC, Córdoba, Spain

joseagomez@ias.csic.es

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Message from the Guest Editors

Soil organic matter plays a fundamental role in making the soil what it is: a place where plants, microbes, and animals can live and benefit from each other. The stability and turnover of soil carbon pools and inputs (such as crop residues, green manure, roots, manures, organic fertilizers, and composts) are strongly influenced by their nitrogen contents. Conversely, soil mineral nitrogen availability to plants and micro-organisms depends on the type and amount of carbon to which organic N is associated, leading to mineralization and immobilization processes. The contemporary availability of C and N sources dominates the processes that produce greenhouse gases (GHGs). The complex interconnections between C and N in soil need particular attention in modern agriculture, which is aimed not only at production but also at providing agroecosystem services.

This Special Issue is focused on carbon and nitrogen interaction in soils. Its aim is to provide insights into the complex interconnections between the cycles of the two elements in the soil.





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Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture,
School of Life and Environmental
Sciences, The University of
Sydney, NSW 2006, Australia

Message from the Editor-in-Chief

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Contact Us

Agriculture
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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