

Special Issue

Soil Carbon and Nitrogen in Agricultural Systems

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.

Guest Editors

Dr. Laura Zavattaro

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

Dr. José Alfonso Gómez

Institute for Sustainable Agriculture, CSIC, Córdoba, Spain

Deadline for manuscript submissions

closed (20 April 2022)



Agriculture

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Impact Factor 3.6
CiteScore 6.3



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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

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

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