Special Issue

Properties, Developments and Processes of Soils as Carbon Sinks

Message from the Guest Editor

Atmospheric carbon sequestration in terrestrial ecosystems – mainly in soils – provides an opportunity to counteract carbon dioxide emissions and is the most reliable strategy to correctly redirect the changes occurring in the atmosphere. It is a long process from carbon dioxide capture in the atmosphere to its becoming fixed through photosynthesis in plants and soils. The rate of soil carbon sequestration (both as organic (SOC) and inorganic (SIC) carbon), stock sizes and their evolution represent complex interactions between climate, plants and the geological substratum. Although many studies have been conducted along these lines, there are still many gaps in our knowledge of the subject. We therefore encourage contributions on this "Special Subject" by researchers in this field, including experimental studies, monitoring studies, evaluation of stocks, and models, in order to improve our understanding of the processes involved in soil carbon sequestration, as well as the most effective ways of increasing this storage in time and amount.

Guest Editor

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Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

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