

Special Issue

Soil Carbon and Nitrogen Dynamics in Forests and Agroforestry Systems

Message from the Guest Editors

Understanding soil carbon (C) and nitrogen (N) dynamics is essential to promoting sustainability and resilience in forest and agroforestry systems. These systems play a crucial role in global biogeochemical cycles and hold great potential for soil carbon sequestration and more efficient nitrogen management. However, the processes of organic carbon stabilization and storage in the soil (through mechanisms such as occlusion within aggregates and chemical associations with minerals) are complex and influenced by a range of biotic and abiotic factors, including plant–soil interactions, litter quality, land-use history, and climate variability. This Special Issue invites original research and review articles that advance knowledge on C and N cycles in natural and planted forests, as well as in agroforestry systems. We welcome studies addressing soil organic matter dynamics, litter decomposition, microbial processes, and nitrogen inputs and losses, as well as the role of vegetation, management practices, and land-use changes in shaping soil C and N dynamics.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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