

Special Issue

Carbon and Nitrogen Cycles in Terrestrial Ecosystems

Message from the Guest Editor

Terrestrial ecosystems play a pivotal role in global biogeochemical cycles, influencing carbon and nitrogen dynamics in Earth's systems. The intricate processes within terrestrial ecosystems are driven by interactions between biological, chemical, and physical components, which are increasingly impacted by human activities and climate change. Understanding and modeling these processes are critical for predicting future climate scenarios and developing sustainable management strategies. This Special Issue aims to bring together cutting-edge studies on the mechanisms and drivers of carbon and nitrogen cycles within terrestrial ecosystems. We invite contributions that leverage process-based modeling, machine learning methods, field experiments, and meta-analyses to advance our understanding of these complex systems. By highlighting interdisciplinary approaches, this issue seeks to bridge the gap between empirical observations and theoretical models, fostering a comprehensive understanding of terrestrial carbon and nitrogen cycles.

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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