

Special Issue

Forest Physiological Traits Research: Trace Gases Emissions

Message from the Guest Editors

Forest ecosystems interact with the atmosphere mainly through trace gas emissions. Exchange of non-CO₂ trace gases between the land surface and the atmosphere plays an important role in atmospheric chemistry and climate. Recent studies have highlighted its importance for large climate-chemistry and climate-aerosol feedbacks. However, spatial and temporal variations in trace gas emissions and the magnitude of future feedbacks are a major source of uncertainty in atmospheric chemistry, air quality and climate science. Further research on these topics will help to understand the role of trace gases in climate change and reduce uncertainties in climate prediction models. This Special Issue aims to collect original research and review articles focused on topics in the scope of trace gas emission monitoring, their properties, and interactions, along with their relationship with climate.

- Monitoring and modeling of trace gas emissions: strategies and methodologies;
- Trace gas fluxes in forests: results on specific site(s) or global scale;
- Trace gas emissions from forest fires and biomass;
- Trace gas release and its interactions with forest atmospheric environments.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2024)



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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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