

## Special Issue

# Pollen Monitoring of Forest Communities

### Message from the Guest Editors

Forest plant communities are plant species that coexist within specific forested environments. Their role in ecosystem functioning is crucial, supporting biodiversity, carbon sequestration, and other essential services. However, they are currently facing major threats from climate change and over-exploitation. Despite these challenges, it is essential to recognize that the current state is just a snapshot of the millennial history of forest plant communities' vulnerability, adaptation, and resilience to external stressors. In this context, palynology plays a pivotal role. By examining pollen data, we bridge the temporal gap, connecting ancient landscapes to our present-day environment. Palynology provides baseline information for conservation efforts and informs models predicting how vegetation will respond to climate change, human activities, and geomorphic processes. In this Special Issue, we explore how pollen data can help monitor forest plant communities and shed light on their historical changes. This knowledge empowers us to learn from the past, adapt to the present, and make informed decisions for sustainable future forest ecosystems.

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### Deadline for manuscript submissions

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## Forests

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