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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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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