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Forest Paleoecology

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Message from the Guest Editor

Paleobotanical studies today constitute not only the basic information to provide quantitative data on the species composition of past forests but also the knowledge necessary to describe long-term forest dynamics at different spatial scales, including climatic changes, land uses, fires, and other disturbances which together constitute the paleoecological evidence. Moreover, it should be noted that research in forest paleoecology can offer valuable information to assess the resilience of current forests and improve forest management in light of present and predictable future climate change. Paleoeological methods show great potential for guiding decisions in conservation practices. The paleoecological evidence of fossil forests involves many approaches, although the most common paleobotanical techniques for studying past forests are macrofossil, pollen, charcoal, and dendrochronology analysis. We want to promote and broadcast all the fields of forest paleoecological studies, including experimental studies and models, to enhance the knowledge of the adaptation strategies for the preservation, management, and future development of forest ecosystems.



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Special Issue



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