

Special Issue

Plant Fossils: Taxonomy, Biogeography and Palaeoenvironments

Message from the Guest Editor

Palaeobotanical data are increasingly employed to calibrate and validate phylogenetic schemes, to elaborate biogeographical patterns through time, and to define palaeoecological dynamics. Current trends in evolutionary biology and taxonomy emphasize how analyses that incorporate fossil data to elucidate relationships within living clades are far more accurate than those based exclusively on extant taxa. Substantial methodological advancements in historical biogeography show how the development of complex and more realistic models, using information from both extinct and extant lineages, can improve our understanding of the spatio-temporal dynamics of taxa and their underlying mechanisms. Information from global databases on macroscopic and microscopic plant fossils, compared with paleoclimate reconstructions based on independent proxies, allow increasing accuracy in detecting palaeoecological processes at different geographical scales. This Special Issue welcomes high-quality papers showing how plant fossils can contribute to taxonomical and biogeographical questions of forest taxa, as well as to palaeoenvironmental and palaeoclimatic investigations involving woodland ecosystems.

Guest Editor

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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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