Special Issue

Forest Tree Adaptation under Climate Change

Message from the Guest Editor

Ongoing climate change, which takes the form of changes, for example, in average temperatures and precipitation amounts, and changes in the intensity and frequency of extreme climatic events (e.g., droughts, heat waves), makes it necessary to adapt to the new conditions for individuals, species and whole ecosystems. The ability of ecosystems, including forests, to adapt to these changes depends to a large extent on the ability of individual populations and even individuals to adapt. The adaptability of species, including trees, depends on phenotypic plasticity, genetic diversity in the population, particularly in relation to genes associated with adaptive adjustments to adverse conditions (e.g., prolonged heat periods). In the absence of the ability to adapt to the new conditions, we can anticipate changes in existing species compositions, both in natural habitats and in managed forests, which can have a knock-on effect on forestry if not studied and taken into account. We welcome papers dealing with the adaptation of individual trees as well as whole species to changing climate, from field observations, monitoring and experimental studies.

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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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