Special Issue

Ozone Impacts on Forests

Message from the Guest Editors

Air pollution and climate change are identified as major issues affecting European society. Tree species can respond differently to climate change and air pollution, depending on several tree features, such as morphological, physiological, and chemical functional traits of leaves, phenotypic plasticity, plant phenology, and environmental conditions. Furthermore, several biotic and abiotic stressors in various geographic areas are involved in the intra-specific selection of plants that survive environmental stress by stress avoidance or tolerance. Tropospheric ozone (O3) is the most widespread and harmful pollutant to trees. The ability to avoid (stomatal regulation) and/or turn on tolerance mechanisms (activation of scavenging mechanisms) is diverse and specific among plant species, and it characterizes the response to O3 oxidative stress. Different provenances might respond differently to O3. We encourage studies from all fields, including experimental studies, monitoring observations, and modeling approaches to contribute to this Special Issue in order to promote knowledge for the identification of spatial and temporal behaviors in forests responses to O3 oxidative stress.

Guest Editors

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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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