

Special Issue

Advances in Plant Photosynthesis under Climate Change

Message from the Guest Editor

Forests cover almost one-third of the biosphere and represent the most complex terrestrial ecosystems. Forest ecosystems are a vital refugium for global terrestrial biodiversity and are able to support a variety of natural processes and provide forest ecosystem services. However, in recent decades, climate change has caused significantly impacted forest plant photosynthesis ecosystems. Chlorophyll a fluorescence emission results from absorbed light energy that is not dissipated as heat or not used for photosynthetic reactions in plants. Different fluorescence parameters can be sensed, which are then interpreted in terms of photosynthetic activity to obtain information about the state of photosynthetic apparatus and especially of photosystem II (PSII). In this Research Topic, we intend to incorporate the contributions of plant scientists on the topic of plant photosynthesis under climate change and plant responses to biotic and abiotic stress in the form of original research, review, and communications. We expect to present new and sophisticated roles of plant photosynthesis analysis in order to highlight new applications of this method. Dr. Xu Nan

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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