# Special Issue

# Climate Change and Stress Factors on Forest Vegetation: Regulation of Morphological, Physiological and Molecular Characteristics

## Message from the Guest Editors

Forests comprise a vertical mosaic of trees, shrubs, lianas, herbs, bryophytes and epiphytes, whose survival now hinges on their capacity to regulate morphological, physiological and molecular networks under unprecedented climatic volatility—rising temperatures, hydrological extremes, elevated $CO_2$, nutrient deposition and novel pollutants. This Special Issue, "Climate Change and Stress Factors on Forest Vegetation: Regulation of Morphological, Physiological and Molecular Characteristics," seeks mechanistic studies that investigate how forest plants perceive and integrate these stressors to remodel their structural architecture, coordinate hydraulic and photosynthetic performance, and reprogram transcriptional, epigenetic, proteomic and metabolic pathways. Submissions from forest ecophysiology, functional genomics, molecular ecology, systems biology, plant–microbe interaction research and vegetation–climate modelling are welcome.

## Guest Editors

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## Deadline for manuscript submissions

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## About the Journal

### 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.

### Editor-in-Chief

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