



Metabolomic and Morphological Adaptations of Terrestrial Ecosystems under Global Change

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Message from the Guest Editors

Dear Colleagues,

Rapid global changes, occurring naturally or due to human interventions, include climate change (warming, drought, or floods depending on the region), forest fires, air pollution, land-use change, eutrophication, and their feedbacks.

To face those changes, plant species modulate their physiological functioning, eventually resulting in changes in their metabolome (production and composition) and morphology (growth, anatomy, and functional traits). These morphochemical modifications (in living plants and litter) are very diverse and include, non-exhaustively, aerial and belowground plant growth, litter production, leaf density, tissue, trichome and stomata development and distribution, and production of both primary (e.g., lignin, primary antioxidants) and specialized metabolites (e.g., phenolic compounds, terpenes).

This interdisciplinary Special Issue welcomes the submission of articles that tackle changes in physiological, metabolomic, and morphological traits of vegetation (living plants, litter) in response to global change-related factors, in both natural and crop ecosystems.





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Message from the Editor-in-Chief

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