

Special Issue

Water and Carbon Cycles and Their Coupling in Forest

Message from the Guest Editors

Water and carbon cycles play important roles in material and energy exchange in forest ecosystems. Under climate change conditions, shifts in environmental factors will inevitably trigger changes in water and carbon cycles, thereby affecting the carbon source/sink and evapotranspiration processes of forests. A comprehensive evaluation of the carbon and water cycles in forests and their systems is, therefore, of the utmost importance for understanding their water and carbon budgets. Moreover, given climate change and the large heterogeneity of vegetation and soil in different regions, how to strengthen research on carbon/water cycle at the site level and expand it to regional and even global scales is a topic that needs further exploration. Therefore, potential topics of this Special Issue include, but are not limited to, the following: The assessment of vegetation and soil carbon storage; Carbon cycle and its response to climate change; The precipitation interception capacity of vegetation and soil; Plant water use strategies and efficiency; Evapotranspiration from forest ecosystems; Carbon–water coupling mechanisms.

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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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