

Special Issue

Evapotranspiration Processes and Regulating Mechanisms in Agro-Forestry Ecosystems

Message from the Guest Editors

Evapotranspiration (ET) is crucial for water management in agricultural and forest ecosystems, impacting water conservation, irrigation, and sustainability. Climate change, human activities, and pests disrupt water balances, making accurate ET understanding vital for ecosystem management. ET comprises interception, transpiration, and soil evaporation, with proportions varying by ecosystem structure and environmental responses. This Special Issue highlights recent advances in ET distribution and control across ecosystems. We welcome theoretical, methodological, and practical studies on ET at various spatiotemporal scales. Topics include ET estimation, water use efficiency, vegetation impacts, soil evaporation methods, plant–water relations, canopy interception, scale transformations, and isotope-based water source quantification. Join us in advancing ET research for sustainable water and ecosystem management.

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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