ASABE - American Society of Agricultural and Biological Engineers

CALL FOR PAPERS FOR A SPECIAL COLLECTION ON

Ecosystem Evapotranspiration: Advances, Challenges, and Future Needs in Measurement, Modeling, and Application

The organizers (ASABE, Penn State, USGS, USDA Forest Service, and Weyerhaeuser) of the ASABE's 2nd Global Evapotranspiration Symposium on "Ecosystem Evapotranspiration: Advances, Challenges, and Future Needs in Measurement, Modeling, and Application", that took place at Penn State, PA from October 23-26, 2023, invite presenters and participants at the symposium as well as those who could not attend the symposium but willing to contribute to a special collection for ASABE's new open access Journal of the Natural Resources and Agricultural Ecosystems Journal of Natural Resources and Agricultural Ecosystems (asabe.org) or Journal of the ASABE Journal of the ASABE. Please visit the web sites for more details on these journals.

Evapotranspiration (ET) is a major component of the hydrologic cycle that directly or indirectly links to water resources availability and use, water quality, ecosystem productivity, food and fiber production, and Earth's energy balance and climate system. Evapotranspiration science is central to understanding the consequences of environmental, ecosystems and agricultural systems change and human adaptation to global change. ET processes at the smaller and medium scales (e.g., leaf to landscape) have important controls/feedbacks to the regional and global climate systems through complex interactions among Earth's atmospheric, hydrological, and biogeochemical cycles. Emerging innovative methods, models, tools, and technologies offer promises in advancing both our ability to accurately quantify ET and our understanding of plant water use at different scales; such knowledge will be critical for developing effective management strategies to cope with emerging water resource and related challenges.

We specifically invite original research or review articles focused on but not limited to above topics on Ecosystem Evapotranspiration.

Proposed submission date: April 14, 2025
using ScholarOne at Manuscript submissions. If approved page charge waivers are being used, the community editor should notify the Director of Publications of the manuscript number and number of pages waived above the first three.
Author notification : May 12, 2025
1st review completion: July 31, 2025
Revision: August 31, 2025
Final acceptance notification: September 30, 2025
Publication: November-December 2025 issue

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