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Urban Ecohydrology along the Urban Watershed Continuum: Engineered, Socioecological, and Nature-Based Perspectives

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Message from the Guest Editors

The watershed approach has been a powerful tool in ecosystem ecology research for over 50 years, integrating biogeochemical systems to observe input–output fluxes and processes, and has been central to urban water research in the urban Phoenix and Baltimore LTERs. Given the keen interest in green infrastructure and nature-based solutions for urban environmental problems, the integrating power of the watershed approach makes it a powerful tool for understanding the ecohydrological systems of the built environment.

Urban ecology has matured over the last three decades by fully incorporating people and their institutions into ecological theory and research. People and their infrastructure are the dominant forces in determining the pathways, magnitudes, and fluxes of chemicals, nutrients, water, etc. Urban watersheds are very complex because waterflows have been so extensively engineered both above and below ground [...].

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