

Guest Editors:

Dr. David A. Chin, Professor, University of Miami (dchin@miami.edu)

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Call for Papers

Special Collection on Design and Performance of Green Drainage Systems



Aims & Scope

Green drainage systems are intended to mitigate nuisance flooding by providing significant drainage and infiltration capacity. The infiltration capacities in these systems are typically provided in green (i.e., vegetated) areas within the landscape, hence the name. Green drainage systems differ from conventional green infrastructure in that the primary operational objective is to mitigate the impacts of peak runoff events, such as those resulting from 5-10-year rainfall events, rather than primarily providing treatment to a defined water-quality control volume. This design focus is warranted in many cases, particularly those in which a relatively small upsizing of conventional green stormwater control measures to accommodate peak flows will also provide sufficient capacity for water-quality control.

This special collection of papers will focus on design methodologies and performance of conventional and innovative green drainage systems intended primarily for flood control and at the same time might also provide sufficient water-quality control.

The Journal of Irrigation and Drainage Engineering invites prospective authors to submit original manuscripts to a special collection on the Design of Green Drainage Systems.

Specific Topics

Specific topics in the Special Collection are expected to include, but are not limited to the following:

- Performance of conventional green infrastructure for flood control
- Innovative green drainage systems
- Design guidelines for green drainage systems

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- Field measurements of the performance of green drainage systems
- Modeling green drainage systems
- Urban and agricultural applications

Submission Guidelines

- Prospective authors should prepare their manuscripts according to guidelines in Author Guide: <https://ascelibrary.org/doi/book/10.1061/9780784479018>.
- In submitting their manuscript electronically, authors should access the journal at the Manuscript Tracking System: <https://www.editorialmanager.com/jrnireng/default.aspx>
- When submitting, the prospective authors should indicate in the submission questions that the paper is being submitted in response to this call for papers (Special Collection: Design of Green Drainage Systems).

Please note that this is an invitation to submit papers for peer review and does not imply acceptance for publication. Acceptance of submitted papers depends on the results of the normal refereed peer review process of the journal.

The Special Collection of papers submitted through this solicitation will be published collectively in a regular issue of the journal and will be added to a special online collection (which is similar to a print version of a special issue), and will be indexed for citations like other regular journal papers.

Deadline for Paper Submissions

The deadline for paper submissions under this solicitation is December 31, 2024.