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Irrigation and Water Resources Management of Landscape Plants

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The availability and quality of water resources are critical to producers of landscape plants, landscape and ecosystem service providers, and urban environment managers. Increased demand and competition for water resources are driving the need for better stewardship by those who use and affect water resources. Improved irrigation management and techniques for using lower quality water sources are becoming necessary for producers of landscape plants. The impact of the quantity and quality of waters leaving landscape plant production surfaces and the built environment on surrounding water resources is a concern for adjacent or downstream users of such resources. This Special Issue will focus on (1) improving irrigation management in plant production and designed landscapes including the use of alternative/lower quality water sources to reduce the use of higher quality water resources that are more desirable for direct human uses; (2) reducing the movement of contaiminants, e.g., pesticides, nutrients, urban pollutants, and/or pathogens, within or exiting from production systems and designed landscapes; and (3) using landscape plants to improve water management and quality in plant production or urban landscapes, e.g., stormwater mitigation, nutrient and/or pesticide remediation, and urban pollutants.

Prof. Dr. R. Thomas Fernandez
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Editor-in-Chief

Prof. Dr. Arjen Y. Hoekstra
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Message from the Editor-in-Chief

The relevance of water in human development and sustaining life, fuels general and scholarly interest in the world's water resources. A better understanding of all aspects of water and its relation to food supply, energy production, human health, and the functioning of ecosystems is key in managing this precious resource in a sustainable, efficient and equitable manner. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications. We ensure a critical review process and a quick turnaround between submission and final decision.

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