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Life Cycle based Assessment Tools for Water Consumption and Management

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Deadline for manuscript submissions:
closed (30 April 2018)

Message from the Guest Editors

Considering global water stress in many regions around the globe, the analysis and management of freshwater consumption and pollution along the supply chains of products and organizations has gained increasing intention. Therefore, this Special Issue intends to provide an overview of recent methodological developments and case studies covering the broad range of water footprint approaches. This includes traditional volumetric water footprints, ISO 14046 based impact oriented approaches, as well as recent developments in the field of the Product Environmental Footprint and Organizational Life Cycle Assessment. Furthermore, papers are welcome that address the recent efforts of database providers to satisfy the increasing inventory demands of modern water footprint methods concerning spatially and temporally explicit water flows. Next to identifying hotspots in global supply chains by means of water footprinting, concrete local actions are needed to mitigate water stress. Therefore, this Special Issue also invites papers addressing the management and stewardship of water at the basin level.

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

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