Special Issue

A Systems Approach for River and River Basin Restoration

Message from the Guest Editor

A strategy to restore dynamic and complex river and river basin ecosystems involves a systems approach. This Special Issue solicits contributions in the following systems approach topics: 1) identifying, understanding, and working with the catchment and riverine physical, chemical and biological processes comprising river basin and river health and delivering ecosystem services; 2) identifying and involving socio-economic values and broader planning and development activities linked to river basin and river health; 3) addressing structure and function relationships to address limiting factors to river health; 4) setting achievable and measurable goals, framed in terms of changes to ecosystem structure and function, ecosystem services and socioeconomic factors; 5) planning, implementing, and managing to provide resilience to a range of scenarios over time; 6) involving all stakeholders in an integrated approach, addressing land and water issues, and involving interagency and community collaboration, to achieve the greatest benefits; and 7) monitoring, evaluating, and reporting evidence of river and river basin health, to guide restoration and adaptive management.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST
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