

Special Issue

Experimental and Modeling Analysis of Ecosystem Service Value in Natural and Man-Made Vegetated Water Bodies

Message from the Guest Editors

The qualitative and quantitative status of ecosystems in vegetated areas is crucial for the proper management of vegetated water networks developed worldwide. Both experimental and modeling approaches in environmental science are extremely useful for ecohydraulic analyses of the ecosystems emerging within vegetated water areas and watersheds in both natural and constructed territories. In the present Special Issue, we invite authors to submit articles that focus on a wide overview of the analysis of ecohydrological and ecohydraulic phenomena under both experimental and modeling conditions (both numerical and statistical simulations), such as river engineering, flume- and field-scale ecohydrodynamics, the effects of land cover strategies on agricultural soil losses, and the analysis of watershed hydrological processes and water quality. Topics of interest include suitable experimental and modeling methodologies for the field-scale monitoring of both natural and urban water bodies and watersheds, exploring their huge potential in the management of ecosystem services related to vegetated water systems in both urban and natural areas.

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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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