Special Issue

Ecosystem Functioning in Rivers and Riparian Zones

Message from the Guest Editor

Rivers and their riparian zones are intimately linked and characterized by an interchange of resources across the land/water ecotone. Riparian habitats moderate nutrient inputs, base flows, air/water temperatures, and erosion, as well as inputs of terrestrial litter into stream food webs. Rivers flood riparian zones, delivering sediment and nutrients, making them distinctively different in terms of soils and vegetation to the surrounding terrestrial landscape. Furthermore, aquatic stream insects emerge from the river and move into riparian habitats, where they support a multitude of riparian organisms, such as birds and ground-dwelling invertebrates. Rivers and their riparian habitats provide a range of ecosystem services by, e.g., buffering impacts of hydrological extremes and offering the setting for recreational activities. Due to the multifunctionality of riparian zones, conserving and restoring them could have significant implication in improving biodiversity, water quality, and benefits to humans. This Issue focuses on functioning of rivers and riparian zones, from understanding the underlying mechanisms and processes to management options, including restoration strategies.

Guest Editor

Dr. Nikolai Friberg
Norwegian Institute for Water Research (NIVA), Oslo, Norway

Deadline for manuscript submissions

closed (28 February 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/31999

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI