Special Issue

Bridging Hydrology with Ecology and Environmental River Sustainability: The Role of Environmental Flows

Message from the Guest Editor

Historically, the topic of environmental flow has been strongly linked with approaches describing the quantity, timing, and quality of river flows required to sustain freshwater and estuarine ecosystems. Environmental flow is a vital tool for managing water in the waterenergy-food nexus. From a scientific viewpoint, we can seen this task as a initiative to balance water consumption and human-made pressure on water resources with environmental sustainability. Over the last 50 years, numerous models of different complexity have been developed to produce a proper and altered river flow under different components. These methods include simplified hydrological methods, advanced hydrological methods, habitat methods, and holistic methods. For this Special Issue of Sustainability, we seek papers describing interactions between river hydrology, river hydromorphology, habitat, and biological response as a foundation for establishing integrated environmental flow models. Basic science papers as well as applied novel scientific and administrative approach descriptions are welcome.

Guest Editor

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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