

Special Issue

Sustainable Development of Fluid Mechanics and Hydraulic Engineering

Message from the Guest Editors

Fluid mechanics plays an important role in various engineering applications to support the goal of sustainable energy and environment. Environmental fluid mechanics encompasses the scientific studies broadly relating to natural fluid systems on our planet affecting the environmental quality of life.

This Special Issue focuses on environmental fluid mechanics from different regions of the world and different hydraulic structure layouts—firstly because further studies based on experimental and model designs that are more specifically directed at this specific issue are needed in order to fully understand flow interaction phenomena and the impact on the environment; secondly, because we also need new innovative solutions. In addition, we would like to refer to solutions that are close to Nature with low environmental impact.

We invite contributions from the latest laboratory, field, and/or numerical research studies on the available or innovative new solutions of structures and tools to evaluate the effectiveness of the solutions. Original research papers and critical reviews will be considered. All scales of application are accepted. You are all very welcome to contribute.

Guest Editors

Dr. Tomasz Kaluża

Dr. Mateusz Hämmerling

Dr. Tomasz Tymiński

Deadline for manuscript submissions

closed (31 December 2023)



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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

Prof. Dr. Steve W. Lyon

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