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Hydraulic Engineering and Modelling of Water Flow by Use of Computational Fluid Dynamics (CFD) and Modern Hydraulic Analysis Methods

Guest Editor:

Dr. Charles R. Ortloff
Department of Anthropology, University of Chicago, Chicago, IL, USA

Deadline for manuscript submissions:
closed (20 January 2024)

Message from the Guest Editor

Of the many methods currently available to analyze problems in fluid dynamics, the use of Computational Fluid Dynamics (CFD) software based on finite element and finite difference solution methodologies has proven important for investigating and solving problems in industrial and manufacturing engineering, water supply to cities and agricultural systems, water purity studies for urban and agricultural use, medical-biological research, historical archaeological studies of ancient water engineering, current environmental global warming change studies affecting agriculture and urban environments. The intent of the new Special Issue is to encourage the submission of manuscripts for publication using commercially available CFD software as well as newly originated CFD software designed to extend the current reach and applicability of existing CFD software programs originated to investigate a wide variety of currently important fluid dynamics problems.

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Dr. Jean-Luc PROBST
ECOLAB, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, campus ENSAT, Auzeville Tolosane, France

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.

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Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI