Special Issue

Sustainable Use of Thermal Water Resources

Message from the Guest Editors

The utilization of thermal water resources dates back to ancient civilizations, where natural hot springs were used for bathing and therapeutic purposes. In modern times, hot water has been harnessed for a variety of applications, including geothermal energy production, heating and cooling systems, and spa tourism. Over the decades, research has shifted from basic exploration and extraction techniques to more sophisticated methods of resource management and sustainability. Key milestones include the development of geothermal power plants, advancements in direct-use applications, and the implementation of regulatory frameworks to protect these valuable resources. This Special Issue aims to explore innovative strategies and technologies for the sustainable utilization of hot water resources. Researchers, industry professionals, and policymakers are encouraged to contribute their findings and insights to advance knowledge in this critical area. The focus of this issue is on balancing the exploitation of these resources with environmental protection, economic efficiency, and social equity.

Guest Editors

Dr. Siamak Hoseinzadeh

Department of Planning, Design, Technology of Architecture, Sapienza University of Rome, Via Flaminia 72, 00196 Rome, Italy

Dr. Ali Sohani

Department of Enterprise Engineering, University of Rome Tor Vergata, Via del Politecnico 1, 00133 Rome, Italy

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

mdpi.com/journal/water

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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
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

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