Special Issue

Application of Radioactive and Stable Isotopes in Characterisation of Water Bodies

Message from the Guest Editors

Both radioactive and stable isotopes have a wide range of applications and their usage can be widened in the research of dynamics and characterization of water bodies which are all correlated with precipitation. Apart from hydrogen and oxygen isotopes, other isotopes that are constituents of matter dissolved in water can point toward the origin of water as well as its natural and anthropogenic impacts. Deposition/incorporation of isotopes in different archives can be used to characterize the water body in which they were formed. These archives give insight into past characteristics of water from which they were deposited and changes in the water types and the past environmental conditions can be studied from them. The obtained results could serve as a basis for the prediction of future constructive and destructive processes in different water environments.

This Special Issue relates to various possible applications of isotopes for characterization of water bodies and will primarily consider the characterization of isotopes, but additional information using other geochemical parameters such as concentrations of dissolved ionic forms that precipitate from water will also be welcomed.

Guest Editors

Dr. Andreja Sironić

Laboratory for Low-level Radioactivities, Division of Experimental Physics, Institute Ruđer Bošković, 10000 Zagreb, Croatia

Dr. Sanja Kapelj

Department of Hydrotechnics, Faculty of Geotechnical Engineering, University of Zagreb, Zagreb, Croatia

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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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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

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