Special Issue

Recent Developments and Emerging Trends in Hydrogeology

Message from the Guest Editors

Complex, natural interactions between atmosphere and hydrosphere, modified by different scale human interventions, control water resource availability and ecosystem health. A holistic approach of the underlying processes is necessary to forecast spatial changes and temporal dynamics of these interactions, which allows building up solid progresses in conceptualization and modeling, in all phases of the research processes, useful for management and protection measurements. This Special Issue on “Recent Developments and Emerging Trends in Hydrogeology” represents advances in hydrogeology intended to resolve problems related to the availability of water resources and ecosystem conservation in a context of climate change. To tackle these, a multidisciplinary approach working at different scales (from field to lab observations) is essential; therefore, themes include collaborative research from micro (i.e., molecular biology, isotope chemistry) to macro (i.e., groundwater–surface water modeling, wavelet analyses) scales.

Guest Editors

Dr. Juan José Gómez-Alday

Group of Hydrogeology, Biotechnology and Natural Resources Laboratory, Institute for Regional Development, University of Castilla-La Mancha, 02071 Albacete, Spain

Dr. David Sanz Martínez

Group of Hydrogeology, Biotechnology and Natural Resources Laboratory, Institute for Regional Development, University of Castilla-La Mancha, 02071 Albacete, Spain

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

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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