

Special Issue

Water Resources and Climate Change

Message from the Guest Editors

Climate change has an impact on the global water cycle, affecting the availability and variability of water resources. Recent research advances suggest that climate change is expected to alter the timing and magnitude of precipitation, evapotranspiration, runoff, soil moisture. Such changes raise concerns for possible dislocations in societal and economic development, affecting future water resource planning and management. Adding to the limited amount of available water in several regions, the demand is expected to continue rising with socioeconomic developments and population growth. This will affect water and food security, energy production, and ecosystem services. This SI aims to increase the knowledge on water resources and climate change interaction at local, regional and global scale. Contributions of water resources and climate change in broader sense, including not limited to sustainable water resource management, changes in seasonality, soil moisture, river flow, dam storage under climate change, hydrological modelling and projection, arid region hydrology, droughts, water resource planning and management, under the perspective of a changing climate, are welcome.

Guest Editors

Dr. Manolis G. Grillakis

Department of Environmental Engineering, Technical University of Crete, Chania GR73100, Greece

Dr. Aristeidis Koutroulis

School of Environmental Engineering, Technical University of Crete, 73100 Chania, Greece

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

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Editor-in-Chief

Prof. Dr. Benjamin McLellan

Graduate School of Energy Science, Kyoto University, Yoshida-honmachi, Sakyo-ku, Kyoto 606-8501, Japan

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