Special Issue

Application of Geoinformatics and Remote Sensing in Drought and Flood Monitoring

Message from the Guest Editors

In this Special Issue, we attempt to explore the application of geoinformatics and remote sensing technology in flood and drought disaster monitoring: New technical approaches in flood and drought monitoring, such as the introduction of intelligent models and methods, optimization of existing monitoring models, etc; The application of multi-source remote sensing data and its products, including but not limited to multi-scale optical and radar satellite images, gravity satellite data such as Gravity Recovery and Climate Experiment (GRACE), and various dataset products acquired based on remote sensing, such as Global Land Surface Satellite (GLASS), JRC Global Surface Water (JRC-GSW), etc., as well as Unmanned Aerial Vehicles (UAVs) remote sensing data; Cases of flood and drought monitoring applications in typical regions or at large scales. These contributions reflect our efforts to utilize geoinformatics and remote sensing technology to enhance flood and drought monitoring capabilities across various scales and perspectives.

Guest Editors

Dr. Wen Zhang

School of Remote Sensing and Information Engineering, Wuhan University, Wuhan 430079, China

Dr. Linyi Li

School of Remote Sensing and Information Engineering, Wuhan University, Wuhan 430079, China

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

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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

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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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