Special Issue

Monitoring and Predicting Soil Moisture and Drought Conditions

Message from the Guest Editors

Droughts come in various forms and can be defined as an ecosystem response or socio-economic impacts. While various definitions do exist, measuring and quantifying droughts through observable means is still difficult, as droughts across different ecosystems take different pathways to manifest themselves, and the same quantity of water deficit may not result in drought conditions in two different locations. A further complication is the abundant range of drought indices, that range from simple precipitation deficits to more complex systems of equations, incorporating temperature, evapotranspiration and other variables.

In this Special Issue, contributions are invited to address either the quality and error assessment of soil moisture information from modelling or remote sensing techniques, or its application in the assessment of drought conditions. Papers presenting novel ways to merge often conflicting drought indices are equally welcome, as are field validation studies of novel indices.

Guest Editors

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Dr. Lionel Jarlan

Dr. Clement Albergel

Dr. Ming Pan

Deadline for manuscript submissions

closed (12 January 2019)

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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

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