

## Special Issue

# Precision Water Management in Dryland Agriculture

### Message from the Guest Editor

Precise water management in drylands is fundamental to improve food production, sustainability of water resources and economic growth, as well as maximize water use efficiency. Precision water management will encompass optimization of irrigation water at the farm level, allocation of surface and ground water at the regional level and harnessing water at the watershed level. Modern day smart and intelligent information processing and data analytics approaches, such as modeling techniques, remote sensing, machine learning, unmanned aerial systems (UAS), can help ensure better decision making about water management for drylands. This Special Issue on “Precision water management in dryland agriculture” is intended to provide new perspectives on dryland water management at the farm, regional and watershed levels, driven by smart technologies. Therefore, research articles, review articles and case studies involving emerging technologies and their use in water resource optimization, allocation, exploration and management, with a special focus on dryland agriculture, are warmly welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 December 2022)



## Agriculture

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### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

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