



Sustainable Management and Regulation of Agricultural Water Resources in the Context of Global Climate Change

Guest Editors:

Dr. Xiaolin Yang

College of Water Resources &
Civil Engineering, China
Agricultural University, Beijing
100083, China

Prof. Dr. Wenfeng Liu

College of Water Resources &
Civil Engineering, China
Agricultural University, Beijing
100083, China

Prof. Dr. Wen Yin

State Key Laboratory of Aridland
Crop Science, College of
Agronomy, Gansu Agricultural
University, Lanzhou 730070,
China

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Message from the Guest Editors

This Special Issue aims to identify historical and future trends and changes in crop evapotranspiration and irrigation amount, to evaluate the effect of agronomic measurements, irrigation technologies, biological water-saving technologies and water policy regulations on improving water use efficiency, and to propose sustainable pathways for adapting future climate change, especially future extreme climate events.

Research areas may include (but are not limited to) the following:

- Map the temporal and spatial variations of crop evapotranspiration;
- Observe and project the impacts of climate change on agricultural or crop water use;
- Evaluate agronomic and irrigation water-saving technologies for enhancing adaptation of food production to climate change;
- Biological water-saving technologies including cultivars and physiology for improving agricultural water use efficiency;
- Water policy initiatives for sustainable agriculture water management under climate change
- Scale effect of agricultural water use estimation;
- Contribution of blue water and green water toward water scarcity mitigation.





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Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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