Special Issue

Agricultural Water-Saving Effects of Soil Mulching

Message from the Guest Editors

Soil mulching is an efficient agronomic practice in agricultural production, especially in arid and semi-arid regions such as northwest China. Soil mulching plays a prominent role in regulating soil temperature, conserving water, and increasing the soil's ability to resist agricultural disasters, thereby ensuring an increased and stable crop yield. As it has a huge population, China encourages the application and promotion of mulching practices. However, it is often not possible to fully take into account various factors such as weather forecasts, irrigation amount, crop yield, environmental impact, ecological protection, and economic efficiency in practical applications. As a result, the application of mulching practices is not as effective as it could be. Therefore[...] For more details, please see:https://www.mdpi.com/journal/water/special_issues/R3O5JO9VNV This Special Issue focuses on and is not limited to the following topics

- Straw mulching and plastic film mulching;
- Water cycle process under soil mulching;
- Water-saving potential of soil mulching;
- Mulching effects on soil micro-environment.

Guest Editors

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Deadline for manuscript submissions

closed (25 November 2023)

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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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