Special Issue

Sustainable Development of Rice Cultivation and Soil Nutrient Management

Message from the Guest Editors

Rice is one of the most important food crops, and its planting area and total yield occupy an important position in global food production. To increase the yield of rice, it is necessary to increase the application of chemical fertilizers and pesticides. However, obtaining a high yield leads to low nutrient utilization efficiency and a large amount of residues in the soil, which directly causes serious problems such as soil degradation in agricultural ecosystems. Under the pressure of increasing population and decreasing cultivated land area, how to reduce soil nutrient residues, improve fertilizer use efficiency, effectively slow down soil degradation, improve soil and increase crop yield has become an urgent problem to be solved worldwide. This Special Issue aims to publish comprehensive reviews and original research articles that cover the latest and novel discoveries related to the soil management and the sustainability of rice cultivation system. Keywords

- rice cultivation
- sustainability
- management mode
- soil fertility
- abiotic stress
- crop productivity

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