

Special Issue

Sustainable Rice Farming and Greenhouse Gas Emissions

Message from the Guest Editors

As the world's population grows, the increasing of food production becomes an urgent issue. In particular, since rice farming supports a large population, it is important to maintain and/or improve its productivity. On the other hand, promotion of crop production activities enhances environmental loads such as greenhouse gas emissions. Rice paddies, in particular, are a major source of atmospheric methane. In addition, rice farming is currently facing a wide variety of issues, including soil degradation, climate change, shortage of water resources, and adverse effects on the environment and ecosystems due to excessive use of chemical fertilizers and agrochemicals. In order to establish sustainable rice farming technology, measures to address these issues need to be gathered and comprehensively evaluated. Cultivation management of rice varies greatly depending on the region and climate, and the technology of sustainable rice farming also differs. Therefore, we would like to invite papers on sustainable rice farming and greenhouse gas emissions from a wide range of regions and countries to this Special Issue.

Guest Editors

Dr. Fumiaki Takakai

Faculty of Bioresource Sciences, Akita Prefectural University, 241-438
Aza Kaidobata-Nishi, Shimoshinjo Nakano, Akita 010-0195, Japan

Dr. Yo Toma

Research Faculty of Agriculture, Hokkaido University, Hokkaido, Japan

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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