

## Special Issue

# Interventions and Management of Rice Cropping Systems

### Message from the Guest Editors

In recent decades, the rice yield, including the single and double cropping systems, has increased significantly worldwide; this is primarily attributed to genetic gain, the increase in the input of inorganic fertilizers and cultivation technology. However, the unreasonable farming management and long-term excess application of inorganic fertilizers in rice production lead to lower resource use efficiency and adverse environmental consequences, such as water eutrophication, soil erosion, and biodiversity loss. Therefore, it is essential to develop sustainable management practices in order to improve nutrient efficiency and produce more grain with higher soil fertility and lower environmental costs. This Special Issue focuses on rice cleaner production, nitrogen fate in the rice–soil system, and physical, chemical and biological changes in paddy soil caused by the different fertilization, tillage, irrigation and crop rotation strategies. For this reason, it welcomes highly interdisciplinary quality studies from disparate research fields including agronomy, nutrient management and modeling, soil conservation, environmentalism, and even occupational risk prevention.

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### Guest Editors

Dr. Xiaochuang Cao

Dr. Lianfeng Zhu

Dr. Yali Kong

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### Deadline for manuscript submissions

closed (20 March 2023)



## Agriculture

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## About the Journal

### 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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