



Productivity, Sustainability and Resilience of Rice Production System

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Message from the Guest Editors

Rice is one of the most important food crops in the world. More than 40% of the world's population eats a rice-based diet, and rice production, therefore, plays a considerable part in assuring food security and energy supply. At the same time, by 2050, it is estimated that the global population will exceed 9 billion, and about 70% more food will be required for human consumption. Furthermore, abiotic stresses mainly caused by global climate change and deteriorated environment occurred frequently. This brings about great threats to rice production systems and increases the risk of world hunger. Therefore, agricultural technologies conducive to increasing productivity, sustainability and resilience of rice grain production are in urgent need. This Special Issue aims at collecting studies providing effective strategies for improving grain yield, water (nitrogen fertilizer et al.) use efficiency, resilience of rice plant to unfavorable environmental abiotic stresses, and obtaining new sights on corresponding physiological regulation mechanisms. Papers including original research and reviews deal with the above topics of are welcomed in this Special Issue.





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Message from the Editor-in-Chief

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