

Special Issue

Rice Breeding and Genetics

Message from the Guest Editors

Around 30% of the global calorie demand is satisfied through rice consumption. More than half of the population depends on rice production for food security. There is a need to develop rice varieties that are acceptable to farmers and consumers by pyramiding high-value genes/QTLs in rice. The characterization and application of useful traits, such as stress resistance, yield potential and quality improvement, and food processing to rice breeding are the priority topics of this issue. The variations in functional single-nucleotide polymorphisms in these traits should be further assessed in the field as well as in the laboratory. By employing promising molecular nucleotide variations in rice breeding systems, the rice yield and quality improvement would be more precisely estimated. Genetic analyses using the precise genotypic and phenotypic information collected from the carefully developed rice breeding populations and genetic collections are welcomed.

Guest Editors

Prof. Dr. Joong Hyoun Chin

Department of Integrative Bio-Industrial Engineering, Sejong University,
209, Neungdong-ro, Gwangjin-gu, Seoul 05006, Republic of Korea

Prof. Dr. Soon-Wook Kwon

Department of Plant Bioscience, College of Natural Resources and Life
Science, Pusan National University, Miryang 50463, Korea

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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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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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