

# Special Issue

## Genome Editing of Polyploid Crops

### Message from the Guest Editors

Population growth together with changing climate are driving the need for rapid crop improvement. To assist conventional breeding with this monumental challenge, technological innovation is required. Induced mutagenesis has helped greatly over the past years, but the technology is messy and time consuming. Gene editing, however, is one such technology that offers great potential for rapid crop improvement because of its precision and ease. A challenge for many crops is their polyploidy nature. Function redundancy because of multiple gene copies can mask genetic variation. With gene editing, however, we now have the capability of manipulating every gene in the genome, including those that are multi-copy and redundant. This special issue of *Agronomy* seeks to highlight the potential value of gene editing in polyploid crops. We welcome contributions that will address the use of gene editing in polyploid crops. Topics of interest include, but are not limited to 1) increase genetic variation, 2) remove deleterious or unwanted genes, 3) increase recombination, 4) induce genome fractionation, 5) facilitate gene introduction from wild relatives, 6) produce agronomically important traits.

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### Deadline for manuscript submissions

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*Agronomy* draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

*Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

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### Editor-in-Chief

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