



## Cereals Genetic Resources and Improvement

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Deadline for manuscript  
submissions:

**closed (25 April 2022)**

### Message from the Guest Editors

Nearly half of the genetic gain under farmers' fields has been estimated to be due to changes in the genetic makeup of crops through breeding, which depends on the availability of good germplasm, access to modern breeding tools, the selection intensity, trait complexity (heritability), and generation interval (number of cycles completed per year). This Special Issue will feature original research articles, literature reviews, and opinion papers on topics including but not limited to: (1) germplasm characterization and subsetting (core and mini-cores) using high-density molecular markers and next-generation sequencing technologies; (2) development and implementation of genotyping quality control and quality assurance; (3) gene and QTL discovery, fine mapping, and validation in bi-parental populations and genome-wide association mapping panels; (4) pre-breeding (germplasm enhancement); (5) developing improved germplasm using modern breeding methods; (6) estimating genetic gains.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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