



horticulturae

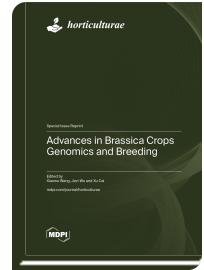


Special Issue Reprint

Advances in Brassica Crops Genomics and Breeding

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Brassica crops include vegetable, oil, ornamental and condimental crops. Many of these, such as Chinese cabbage, cabbage and rapeseed, are important crops cultivated globally. *Brassica* species are unique not only because of their economic importance but also because of the domestication of extreme morphological types, such as leafy heading, root/stem enlarging and florescence heading, in these species. Moreover, *Brassica* species represent several important polyploidization events, including paleo-, meso- and present polyploidization, which make them ideal as model species for the investigation of polyploidization. With the fast progress that we are making in sequencing technologies, a number of genomes of *Brassica* crops species have been sequenced, and several high-quality chromosome scale assemblies have been obtained. Moreover, the large-scale resequencing data of germplasm resources of *B. rapa*, *B. oleracea* and *B. napus* have been made available, which allow GWAS and domestication analysis in these important crops. This Special Issue contains studies and reviews focusing on Genomic Exploration, Functional Genomics and Molecular Marker-Assisted Breeding in *Brassica* crops. These research findings will contribute to advancements in breeding research conducted on *Brassica* crops.



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