



Applications of Advanced Genomic and Phenomic Technologies for Plant Improvement

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Message from the Guest Editor

Dear Colleagues,

Plant breeding has always been the only resource of suitable plant types for cultivation. Modern plant breeding is minimizing its “art” component, taking advantage of the scientific progress and novel analytical methods to enable the prediction of plant performance from biological entities.

Genomics and phenomics, with the support of powerful bioinformatic and image analysis software, can revolutionize crop improvement by identifying the genetic basis of agriculturally important traits and increase the genetic gain by direct genotypic selection of high-breeding-value individuals in a plant breeding population.

This Special Issue will provide a platform to present research results in all applications of advanced genomics and phenomics tools related to crop improvement and to discuss current trends and future prospects of progress in these fields for modern plant breeding.

Prof. Dr. Alexios Polidoros

Guest Editor





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Message from the Editor-in-Chief

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