

Special Issue

Genetic Architecture of Kernel Development in Cereal Crops

Message from the Guest Editors

Cereal crops, including wheat, rice, maize, barley, and sorghum, serve as the cornerstone of global food security, providing over 50% of the world's caloric intake. The development of cereal

kernels – encompassing grain size, composition, and nutritional quality – is a complex process governed by intricate genetic and molecular networks.

Understanding the genetic architecture of kernel development is pivotal for advancing crop improvement strategies aimed at enhancing yield, and nutritional value under rapidly changing climatic conditions. To address these challenges and opportunities, we are launching a Special Issue in *Agronomy* titled “Genetic Architecture of Kernel Development in Cereal Crops”. This Issue will focus on cutting-edge research that elucidates the genetic, genomic, and molecular mechanisms underlying kernel formation, maturation, and quality traits.

Guest Editors

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Editor-in-Chief

Prof. Dr. Leslie A. Weston

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