Special Issue

Advancing Crop Nutritional Quality Through Genomic Approaches

Message from the Guest Editor

Advancing crop nutritional quality is a critical goal to address the growing global demand for sustainable and nutritious food. This Special Issue, entitled "Advancing" Crop Nutritional Quality Through Genomic Approaches", aims to highlight cutting-edge research at the intersection of genomics and crop improvement. I invite contributions that explore innovative strategies used to enhance the nutritional profiles of crops, including studies on gene editing, genome-wide association studies (GWASs), transcriptomics, epigenomics, and metabolomics. This Special Issue aims to focus on leveraging multi-omics data to improve key traits such as starch, oil, protein, vitamin, and mineral content while addressing challenges posed by environmental stress and resource limitations. By uniting multidisciplinary approaches, this Special Issue seeks to provide actionable insights into improving crop quality, contributing to global food security, and supporting sustainable agricultural practices. We welcome the submission of original research articles, reviews, and perspectives that contribute to this vital field of study.

Guest Editor

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