Special Issue

Genetics and Breeding in Cassava

Message from the Guest Editor

Cassava is a major staple crop for more than one billion people worldwide and an important industrial resource for starch, bioenergy, and value-added products. In recent years, rapid advances in genetics, genomics, and molecular biology have substantially accelerated cassava functional studies and molecular breeding, providing powerful tools for the precise dissection and improvement of key agronomic traits.This Special Issue will focus on core scientific questions in cassava genetic improvement and molecular breeding. It will systematically cover the genetic bases and molecular regulatory networks underlying key nutritional quality traits, including resistant starch, carotenoids, and anthocyanins, as well as the regulatory mechanisms governing carbon allocation and quality formation during storage root development. In addition, this Special Issue will highlight cassava responses to major biotic stresses, such as bacterial blight and viral diseases, and to abiotic stresses, including drought, low temperatures, and nutrient limitation, which critically constrain productivity in this crop in tropical and subtropical regions.

Guest Editor

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Deadline for manuscript submissions

25 July 2026

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Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/269682

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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