

Special Issue

Recent Advances on Crop Biofortification

Message from the Guest Editors

The issue of malnutrition, often referred to as "hidden hunger," remains a pervasive challenge affecting the health and well-being of individuals in numerous developing nations. The inadequacy of essential macro- and micronutrients poses a critical concern. While strategies such as nutrient supplementation during food processing, dietary diversification, and pharmaceutical interventions have provided some relief, these methods are not universally applicable to all nutrients and are often economically unfeasible in many countries. In response, biofortification has emerged as a promising solution for enhancing crops' nutritional value and combating human health issues. Initially, traditional biofortification techniques grounded in agronomic practices and conventional breeding methodologies were employed to augment the nutritional content of crops. However, recent strides in genomics, genome editing, and molecular biology have galvanized the integration of transgenic methods into the biofortification toolkit. Studies involving nutrition improvement in crops via agronomic, genetics and biotechnological approaches are welcome for submission to this Special Issue.

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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