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Biofortification of Field Crops

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Deadline for manuscript submissions:
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Message from the Guest Editors

Nowadays, more than 2 billion people worldwide suffer from micronutrient and vitamin deficiency, leading to so-called “hidden hunger”. An increase in these components in field and vegetable crops (biofortification)—through conventional breeding, agronomic approaches and genetic engineering—can alleviate human malnutrition. Micronutrients/trace elements (Fe, Zn, Ca, Mg, Se, I, Mo, etc.) and vitamins (such as provitamin A and folate) are imperative constituents, and therefore biofortification aims both at increasing their concentration in crop tissues (direct effect) and at enhancing food quality.

Thus, in this Special Issue, we are accepting original research, critical reviews, perspectives and opinions exploring innovative biofortification tools/strategies in field and vegetable crops (including those cultivated in protected environments). We also encourage contributions focusing on the interactive effects of biofortification techniques and other agronomic practices on crop productivity and quality. Contributions focusing on the effects of biofortification on the post-harvest quality of field and vegetable crops will also be taken into consideration.

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Message from the Editor-in-Chief

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