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Genetics, Molecular Breeding, and Biotechnology for Root and Tuber Crop Improvement II

Guest Editors:

Dr. Hongju Jian

Dr. Kai Zhang

Prof. Dr. Jianfei Xu

Prof. Dr. Huabing Yan

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Message from the Guest Editors

Root and tuber crops are important foods, industrial materials or medicinal crops. Their yield potential, production, adaptability and quality are potential objectives for breeders worldwide. However, root and tuber crop production still faces numerous challenges. At present, molecular genetics and breeding have been widely studied and achieved significant progress in model plants. Therefore, this Special Issue will include papers mainly focused on the following subjects:

- Regulation of growth and development, tuberization process, nutrient absorption, metabolism, biotic or abiotic stress response and other physiological process of root and tuber crops;
- Dissection of molecular mechanisms for yield or quality traits in root and tuber crops via genetics, omics or informatics strategies;
- Yield or quality improvement and molecular breeding of root and tuber crops using genetic and genomic tools;
- Analysis on the nutritional quality, *metabolic products*, active compounds and medicinal value of root and tuber crops.
- Discussion on root and tuber crop cultivation and production.



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Special Issue



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Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

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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Plants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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