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Genetics, Molecular Breeding, and Biotechnology for Root and Tuber Crop Improvement, 2nd Edition

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Deadline for manuscript
submissions:

closed (20 October 2024)

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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Message from the Editor-in-Chief

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