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Agricultural Genomics and Sustainable Productivity

Guest Editor:

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Message from the Guest Editor

Technological innovations in Agronomy have driven a remarkable increase in crop productivity during the past several decades. However, the increasing awareness about the limitation of natural resources explains that one of the main goals of current agriculture is the sustainable enhancement of crop yields. Thus, “Producing more with less” has become a central notion of many research efforts in the field of plant production and related disciplines. Agricultural genomics, or “Agrigenomics”, may face this challenge through various genomic and bioinformatic technologies. Genotyping and molecular marker development, comparative genomics, transcriptome analysis, and recombinant DNA technology offer the potential to gain advanced knowledge and to develop valuable tools that will aid in the selection and breeding of novel plant varieties with a more efficient absorption and use of water and nutrients. Current progress in agrigenomics will surely have a main role in the creation of this new generation of sustainable crops.

This Special Issue aims to report novel research and reviews concerning the use of agricultural genomics to support sustainable crop production.

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Message from the Editor-in-Chief

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