Special Issue

Genetic Breeding and Genomics of Coarse Cereals

Message from the Guest Editor

Coarse cereals generally refer to grain and bean crops beyond rice, wheat, corn, soybean and potato. Coarse cereals are easy to process and preserve a lot of starch, cellulose, inorganic salts, B vitamins and other nutrients. In addition to providing nutrition for consumers, coarse cereal foods play important roles in controlling human health. However, research on coarse grain has received little attention at present, and it is urgent to strengthen the basic research of coarse cereals. On the one hand, genomics and molecular biology methods should be used to gain an in-depth understanding of the molecular mechanisms of yield and quality of coarse grains. On the other hand, modern breeding methods, such as molecular design breeding, genome selection and other technologies, need to be used to breed new varieties to accelerate the process of coarse grains as main grains and ensure the world's food security. This Special Issue focuses on the research progress, breeding status and future development direction of coarse cereals to greatly promote their research and breeding.

Guest Editor

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Editor-in-Chief

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