Special Issue

Genetic Dissection of Important Agronomy Characteristics and Gene Function Analysis in Oilseed Crops

Message from the Guest Editor

Dear colleagues,

Oilseed crops include rapeseed, soybean, peanut, and sesame. Increasing the oil production from these is a major task at present. Studying the molecular mechanisms of important characteristics during formation may yield candidate genes that are useful to improve oil production.

The aim of this Special Issue is to focus on three aspects: (1) Genetic dissection (includign of QTL analysis, GWAS analysis and other kinds of analysis) of important agronomy characteristics (for example, seed oil content, seed quality, seed yield and its related characteristics, disease resistance (Sclerotinia sclerotiorum, clubroot disease), drought and water-logging resistance, and so on). (2) The innovation of new germplasm with higher oil content, higher seed quality, higher disease resistance, and so on (and new methods for plant breeding in oil seed crops). (3) The functional analysis of candidate genes that control the important agronomy characteristics of oilseed crops. Research into other agronomy characteristics not mentioned above are also encouraged.

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Guest Editor

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