



Genetics and Novel Techniques for Soybean Yield Enhancement

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Message from the Guest Editors

Soybean is a worldwide pivotal crop, it also plays an important role in bio-nitrogen fixation. With the increasing of plant area and yield of soybean, more production problem raised and had attracted the attentions of people. How to breed novel and excellent cultivar and varieties to improve the soybean yield, quality and adaptation to the environment is urgent to be addressed for human food security. For the present, the high-quality reference genome of soybean had been released. However, numerous works are still required to dissect gene functions, signaling networks and regulation mechanisms for the improvement of agronomy traits. However, their use in soybean breeding and modification has been limited. and there is huge space for further development and improvement of breeding, biological function detection and technology application. Compare to rice and maize, there is too many gaps need to fill for soybean. Moreover, the mechanisms of symbiosis, the specific traits of legume crop, are still largely unclear. We expect that molecular breeding approaches will be more extensively studied and used in soybean genetic improvement.





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