Special Issue

Agrobacterium-Mediated Plant Transformation during the Genome Engineering Era

Message from the Guest Editor

The rapid emergence of genome editing technologies utilizing the famous CRISPR-Cas systems has revolutionized every single aspect of plant biological research, and only the power of imagination seems the limit of their applications. For most plant biologists, however, the delivery systems for such powerful tools into plant cells still suffer from low efficiencies, and thus are considered as bottlenecks for many plant species. "Nature's genetic engineer," the *Agrobacterium* species have served as essential gene delivery systems for diverse plant species, including crops. Enhancing *Agrobacterium*-mediated transformation efficiencies can boost both the fundamental gene functional research and crop breeding applications. This Special Issue of *Plants* will highlight recent advancements in applications of *Agrobacterium*-mediated genome editing tools delivery into various plant cells and provide useful guidance for expanding their future applications.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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