

Special Issue

Molecular Mechanisms of GA Biosynthesis and Signaling

Message from the Guest Editors

Gibberellin (GA) is one of the plant hormones regulating a wide range of processes involved in plant growth, organ development, and their responses to the environment.

The biosynthetic process of GA has always been one of major research topics in GA science, as it is directly related to crop yield, such as in the case of the rice 'Green Revolution' during the second half of the 20th century, which was accomplished through the application and popularization of semi-dwarf varieties owing to GA biosynthesis gene mutation, *sd-1*. Recent emerging studies have also provided important knowledge on the complex relationships between GA and other phytohormones and exogenous biotic/abiotic factors. These findings shed light on the importance of GA in controlling plant development again. In addition, recent genome information of nonmodel organisms has enabled us to investigate the evolutionary processes of GA biosynthesis in plants and microorganisms. In this Special Issue, studies from various research fields of GA biosynthesis, such as genetics, biochemistry, molecular biology, omics studies, agriculture, evolutionary studies, and so on, are all welcomed.

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Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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