Special Issue

Mechanism of Flower Growth in Ornamental Plants: From Floral Induction to Development

Message from the Guest Editor

Flowers are unique to angiosperms. A typical flower possesses four types of organs, namely sepals, petals, stamens, and carpels, which are arranged on the receptacle from the outside to the centre, respectively. In different groups of flowering plants, however, floral organs show dramatic variation in number, type, size, shape, colour, scent, taste, and arrangement. However, no matter how diverse the floral organs are, they all experience at least four main developmental processes as follows: initiation, identity determination, morphogenesis, and maturation. And many species have evolved in multiple ways to adapt to the environment and endogenous factors to regulate flowering. It is now known that five main signal pathways, namely photoperiod, vernalization, age, autonomy, and gibberellin, regulate floral initiation and development. This Special Issue will focus on floral induction to development in ornamental plants. We welcome novel research, reviews, and opinion pieces covering all related topics.

Guest Editor

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