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Trends and Prospects of Genetic and Molecular Research in Plant

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Message from the Guest Editors

Dear Colleagues,

Genetic and molecular studies on plants have made it possible to secure useful genetic resources that can adapt to environmental stresses such as biotic stress and abiotic stress for a stable supply of human food resources and to identify their functions. To this end, many researchers have reported on environmental stress resistance mechanisms as well as major regulatory genes related to plant organ differentiation, growth and development, and metabolism. Thus, this Special Issue aims to deal with various biotechnology studies to overcome the limitations of crop productivity from the genome to the population level to maximize the factors and quantitative traits that correlate with the expression of key functional genes in crops. Therefore, this Special Issue on “Trends and Prospects of Genetic and Molecular Research in Plants” welcomes the submission of review and research papers or short communications on topics related to results and utilization focusing on genetic and breeding studies at the molecular level of plants.



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Special Issue



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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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