

Special Issue

The Genetic Architecture of Bamboo Growth and Development

Message from the Guest Editors

Bamboo has immense ecological, economic, and cultural importance worldwide. It is a versatile and rapidly renewable resource with numerous applications, including construction, furniture, papermaking and environmental remediation. In addition, bamboo plays an important role in mitigating climate change by sequestering carbon and conserving soil. Therefore, research on the genetic basis of bamboo growth and development is of paramount importance for the sustainable management and utilization of bamboo. The proposed Special Issue aims to bring together a diverse collection of research articles that address the genetic architecture of bamboo, focusing on various aspects such as shoot development, rhizome growth, flowering patterns, stress tolerance, and resistance to pests and diseases. By uncovering the molecular mechanisms that control these traits, we can gain valuable insights into the unique growth patterns of bamboo and optimize its productivity and quality. This Special Issue serves as a platform for sharing the latest findings, novel methodologies and theoretical frameworks related to the genetic regulation of bamboo growth and development.

Guest Editors

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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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