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The Genetic Architecture of Bamboo Growth and Development

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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.

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Special Issue



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Message from the Editor-in-Chief

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