# **Special Issue**

# Bamboo Growth and Development for Sustainable Industries in the Industry 5.0 Revolution

## Message from the Guest Editors

As global timber demand rises, sustainable alternatives like bamboo become essential. The bamboo industry presents significant economic opportunities, particularly in developing countries. Research into bamboo growth and development enhances cultivation techniques. increases yields, and supports the creation of valuable products, thereby driving economic growth and job creation. Industry 5.0's emphasis on advanced technologies, such as biotechnology and artificial intelligence, further highlights bamboo's potential. Sustainable bamboo use improves well-being by providing renewable resources, reducing environmental impacts, and fostering sustainable livelihoods. This Special Issue welcomes original research articles, reviews, and perspectives on bamboo growth and development, including applications in sustainable industries, biotechnology, and ecological factors influencing growth—essential for optimizing productivity and quality. It provides a platform for sharing innovative methodologies, insights, and frameworks from researchers, academics, and industry experts worldwide.

#### **Guest Editors**

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### Deadline for manuscript submissions

31 December 2025



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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/229335

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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.

### Editor-in-Chief

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