Special Issue

The Formation of Specialized Traits and the Regulation of Directional Development in Forage

Message from the Guest Editors

Forage possesses unique traits that significantly enhance its adaptability, productivity, and resilience, making it indispensable for ecological restoration and ruminant-based agriculture. Studying the genetic, molecular, and environmental mechanisms behind these traits is key to advancing forage breeding. This Special Issue explores the factors shaping forage traits and development. It focuses on stress tolerance, yield traits such as pod shattering, and identifies organisms with promise for nitrogen fixation associated with forage. It also focuses on quality factors such as protein content, lignin levels, and secondary metabolites, with the aim of enhancing resilience and productivity. This Issue highlights research in omics, bioinformatics, genetic engineering, gene editing, and molecular markers, utilizing advanced methods to uncover growth and stress response mechanisms in forage. We invite original research, reviews, and methodological advancements that address the physiological, molecular, and genetic aspects of forage traits, including stress responses, yield, and quality.

Guest Editors

Prof. Dr. Zhipeng Liu

Dr. Tieyuan Liu

Dr. Dong Luo

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Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

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Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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