

## Special Issue

# New Strategies for Forage Breeding and Cultivation Under Challenging Conditions

### Message from the Guest Editor

Forage plants are crucial for livestock nutrition, enhancing soil health, and supporting biodiversity in agricultural ecosystems. However, they face significant challenges, including climate change, soil degradation, water scarcity, and pests and diseases, which threaten their productivity and sustainability. Addressing these problems requires a combination of good agricultural practices, innovative technologies, and the development of more resilient crop varieties. Cutting-edge research on breeding forage plants leverages traditional breeding efforts to develop varieties with enhanced traits, tolerance to abiotic and biotic stresses, and nutrient quality. Additionally, integrating sustainable management and adopting innovative practices such as precision agriculture, intercropping, and regenerative agriculture promotes ecological balance and optimizes forage production and quality. This Special Issue aims to consolidate and disseminate innovative research on the genetics, breeding, cultivation, and management of forage species. We welcome original research articles, reviews and case reports covering all related topics.

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### Guest Editor

Dr. Chrysanthi Pankou

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### Deadline for manuscript submissions

closed (28 February 2026)



## Agronomy

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### Editor-in-Chief

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