

Special Issue

Insights into Agronomic Practices for a Sustainable Exploitation of Bioenergy Perennial Grasses

Message from the Guest Editors

Bioenergy perennial grasses have been recommended as crops resilient to various abiotic stresses, with quality traits suitable to a wide spectrum of bioconversion routes. Most of them are still undomesticated plants with great potential for agronomic trait improvements. Therefore, the optimization of agronomic practices or innovative cropping systems to improve the overall sustainability of the production chain is still required. This Special Issue focuses on agronomic practices to improve bioenergy perennial grass outputs under varying stress conditions, breeding, physiology, crop modeling, and bioconversions to overcome the main drawbacks for sustainable raw material exploitation in view of a circular economy and to deliver ecosystem services. All types of articles, such as original research, opinions, and reviews, are welcome. Replicated experiments, whether in open field or in controlled environments, should be performed at least twice (at least two years or two locations) to account for environmental variation and/or genotype × environment interactions.

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