Special Issue

Advances in Genetics, Breeding, and Quality Traits in Forage and Turf Grass—2nd Edition

Message from the Guest Editors

In recent years, much progress has been achieved in the areas of forage and turf grass genetics, functional gene identification, and the modification of important quality traits via direct genetic transformation. Recently, the genome sequencing of several important forage and turf grasses has been completed. With the techniques of transcriptomics, proteomics, and metabolomics, many potentially important genes and metabolic regulatory pathways have been suggested or illustrated. To summarize the latest research findings, this Special Issue will encompass the following topics:

- Development of key molecular markers of important quality traits for marker-assisted breeding;
- Gene functional identification of important quality traits, such as stress resistance, biomass yield, forage quality, etc.;
- Development of fast breeding techniques, such as CRISPR-Cas9 genome editing technology;
- The molecular mechanisms of important trait formation in grass.

Authors are invited to submit original research articles and review articles.

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