

Special Issue

New Insights in Production and Utilization of Green Manure Crops

Message from the Guest Editors

Green manure crops embody a cornerstone of traditional Chinese agriculture, sustaining farmland fertility and agricultural productivity for millennia. They reclaim prominence in modern agriculture as organic nutrient sources for crops, improving their yield and quality, enhancing cultivated land, and protecting the agricultural environment. To synthesize research advances in green manure crops, we welcome original research articles, reviews, and perspective papers. Topics of interest include, but are not limited to: identification of potential green manure species and their physiological traits and nutrient-use efficiencies; role of green manures in reducing chemical fertilizer use and improving fertilizer efficiency; their effects on enhancing crop yield and quality; their contribution to improving cultivated land quality; their impact on farmland carbon sequestration and greenhouse gas mitigation; and their application in controlling agricultural non-point source pollution. The overarching goal is to advance the production and utilization of green manure crops from traditional, experience-based practices toward modern, science-based approaches.

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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, and 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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