

Special Issue

Effects of Fertilizer Input on Productivity of Integrated Crop-Livestock System

Message from the Guest Editor

Integrated crop-livestock systems (ICLSs) offer significant advantages for sustainable agriculture and resource conservation. ICLSs enhance both agricultural output and resource efficiency through processes such as nutrient recycling, which promotes more effective resource utilization. By diversifying cropping systems through the introduction of temporary grasslands and domestic herbivores, these systems can increase productivity while minimizing input requirements.

A key innovation within ICLSs is system fertilization, an emerging strategy that involves applying nutrients during the pasture phase. This approach has the potential to boost forage accumulation, stocking rates, nutrient cycling, and overall system productivity, thereby improving land use efficiency.

This Special Issue seeks to facilitate the exchange of knowledge on the effects of fertilization within ICLSs, focusing on productivity, fertilization management, and input savings. The goal is to support the adoption of ICLSs, improve both crop and livestock production, and maximize the ecological benefits of these integrated systems.

Guest Editor

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