

Special Issue

Effects of Different Biostimulants and Biochars on Crop Production and Quality

Message from the Guest Editors

The use of biostimulants and biochar is gaining increasing attention in sustainable agriculture due to their potential to enhance crop productivity, improve soil health, and boost plant resilience to stress.

Biostimulants—including humic substances, seaweed extracts, and microbial inoculants—stimulate plant growth and physiological processes, while biochar improves soil structure, nutrient availability, water retention, and long-term carbon sequestration. Although both have demonstrated individual benefits, their combined effects on plant performance and soil dynamics remain underexplored and warrant further investigation. This Special Issue aims to delve into the integrated role of biostimulants and biochar in modern agricultural systems. We invite original research articles, comprehensive reviews, meta-analyses, and case studies focusing on their application, interactions, and underlying mechanisms.

Guest Editors

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