

Special Issue

Biodiversity and Biocontrol in Horticulture: Methods and Statistical Analysis

Message from the Guest Editors

Biodiversity is the variety and variability of life in all its forms and all its interactions. Biodiversity is a key measure of the health of any ecosystem and describes how much variety in terms of resources and species that an ecosystem has. Food value chains destroy biodiversity by converting natural habitats to intensely management systems. Theory provides many examples for biological cultivation as well as pests and disease control outcomes, but only few are leading to spectacular successes. The basic approach used in successful biocontrol systems was mathematical models, which are nowadays combined with high technology systems. Research shows that by using mathematical models, biological control success is achieved faster. In general, the stability of biological control is confirmed by modeling. This research topic seeks to provide more scientific data on modeling the effects of abiotic and biotic environmental factors and population dynamics of biological control in horticulture.

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