Special Issue

Envisioning the Future of Conservation Biological Control in Crop Protection

Message from the Guest Editor

Broad-spectrum chemical pesticides are often toxic to nontarget beneficial and endangered species, to wildlife, and to humans. Many chemical pesticides are no longer available due to their side-effects and registration revocations. Biological control, particularly conservation biological control, can be an extremely important alternative to widespread pesticide use as well as a significant component of sustainable agriculture. The main scope includes the innovative tactics and approaches to manipulating the environment of natural enemies so as to enhance their survival and/or physiological and behavioral performance, resulting in enhanced effectiveness against arthropods, plant pathogens, nematodes, and weeds. Theory and technology of pest control by manipulating environmental conditions to improve genetic diversity, species diversity and ecosystem diversity to enhance natural enemy performance. We welcome papers describing the tactics and approaches for the conservation of biological control species effective against arthropods, plant pathogens, nematodes, and weeds.

Guest Editor

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