

Special Issue

Pest Control and Insect Behavioral Ecology

Message from the Guest Editor

Sustainable pest control includes diversified and complementary approaches to reduce conventional insecticide applications. Approaches to managing the behaviors of pests and entomophagous beneficials in a multitrophic interactive way are increasingly included in IPM. Push–pull strategies to repel pests and/or attract predators/parasites can be promoted either by using semiochemical releasers or by including odor-emitting plants in intercropping/mixing crops. Attract and kill strategies are another way to control pests by combining odor release and physical trapping. Crop plot management promoting innovative semiochemicals to be spread, either from synthetic systems or from selected plants in agro-ecosystems, leads to the reduction of pest populations with ecosystemic service promotion from beneficials. Interactions with plant pathogens are considered in terms of biocontrol compatibility, synergy, or opposition. The Special Issue will include the latest developments in the biological control of agricultural pests, considering the effect of a diversity of plants/volatile organic compounds on insect behavior/crop interactions enhancing bio-control efficiency.

Guest Editor

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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