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Pests, Pesticides, Pollinators and Sustainable Farming

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Message from the Guest Editors

Crop pests can cause significant yield losses and threaten food supply and security. Relying solely on synthetic pesticides for pest control has proven ineffective and induces adverse effects on pollinators, biodiversity, environmental sustainability, and human health. Moreover, the overreliance on pesticides can foster resistance in pests, trigger outbreaks of other pest species, and adversely affect non-target organisms. To ensure improved control and ecological sustainability, it is essential to reduce synthetic pesticide usage. This can be achieved via the adoption of alternative and effective strategies that keep pest populations below the economic injury threshold, aligning with the objectives of the European Green Deal.

In this Special Issue, we aim to share knowledge on all aspects related to sustainable plant pest management systems that are also compatible with pollination services, adopting a "from farm to fork" approach.

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Special Issue

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Message from the Editor-in-Chief

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