

Special Issue

Sustainable Cutting-Edge Solutions for Pest Management

Message from the Guest Editors

Pests pose a persistent threat to agriculture. Due to the dynamics of international trade and the impacts of climate change, there is a heightened risk of introducing and adapting potentially harmful organisms, exacerbating the reappearing and damages of native pests, and misalignment of their life cycles. This necessitates resorting to traditional control techniques, often based on chemicals. With the aim of eco-friendly agricultural practices, promoting healthier nutrition, and safeguarding biodiversity, the exploration and development of more sustainable methodologies is imperative. This Special Issue focuses on the discovery and use of alternative control strategies such as insects, fungi, bacteria, and viruses to tackle harmful biotic agents and on artificial intelligence to obtain remote and precise monitoring, mathematical models to describe biological cycles, and to predict the infestations. Additionally, this Special Issue covers the development of methodologies for prompt diagnosis of harmful organisms.

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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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