

Special Issue

Recent Advances for Determination and Assessment of Compounds Involved in Crop Protection

Message from the Guest Editors

Regarding sustainable agriculture, the control of pests, weeds and diseases is a major challenge, affecting agricultural yield losses, food security, and ecosystem health. Monitoring plant protection products is a crucial step towards preventing negative consequences while ensuring crop protection. This Special Issue aims to cover a **wide scope** of recent advances in the chromatographic determination of both synthetic and naturally occurring substances with plant protection properties, pertaining to the following:

- (a) Across various matrices, including pesticide formulations, environmental compartments, and food and feed.
- (b) Derived from microorganisms, insects, and plants, which serve as biocontrol agents.

The plant protection efficacy of microorganisms, insects, and plants, functioning as biocontrol agents, will also be discussed and assessed as well as plant–plant, plant–insect, and plant–microbe interactions. Additionally, the residual behavior of spray solutions of herbicides, insecticides, fungicides and others will be investigated, to reduce the chemical input in the food chain and the environment, in the context of sustainability.

Guest Editors

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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