

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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About the Journal

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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