Special Issue

Pesticide Resistance in Agricultural Practices

Message from the Guest Editors

The management of weeds relies heavily on herbicides but results in the development of resistance. Many scientific studies were carried out to understand herbicide resistance and shared with the public. However, more knowledge on herbicide resistance is still needed, especially using genomics, transcriptomics, and other omics techniques, as well as monitoring measures, and control strategies of resistant weeds that depend on clear resistance mechanisms. The aim and scope of this Special Issue, titled “Pesticide Resistance in Agricultural Practices”, are to elucidate the biochemical and molecular resistance mechanisms of weeds to herbicides, especially using omics techniques and novel weed control strategies that have never been reported. Topics of interest include, but are not limited to, the following:

- Target-site/non-target-site herbicide resistance;
- Molecular basis of evolution in herbicide resistance;
- Fitness traits of herbicide-resistant weeds;
- Omics techniques for weeds;
- Novel approaches for weed management strategies.

We welcome novel research articles and reviews addressing all related topics.

Guest Editors

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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.

Editor-in-Chief

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