Special Issue

Integrated Control of Weeds in Vegetable and Field Crops

Message from the Guest Editor

The plants are exposed to several biotic and abiotic stress factors which affect their growth and development, resulting in significant decreases in yield. Weeds are one of the most dangerous biotic stress factors that threaten plant productivity. Plants have many strategies to cope with the infestation of weeds through morphological, anatomical, physiological, biochemical, and molecular responses, to adjust and regulate the growth and development as well as improve the yield. Many efforts and studies have been made to control weeds, and the use of herbicides is one of the most important methods in weed control. However, more studies on herbicide toxicology, resistance, and new strategies for control such as allelopathic cultivars, plant extracts, and alternatives to herbicides are still required to achieve integrated weed control. The aim of this Special Issue concerns the integrated control of weeds in vegetable and field crops associated with morphophysiological, biochemical, and molecular changes in plants under weed infestation, as well as the resistance mechanisms of weeds to herbicides, which has not yet been studied.

Guest Editor

Prof. Dr. Khaled A. A. Abdelaal

Plant Pathology and Biotechnology Laboratory, Excellence Center (EPCRS), Faculty of Agriculture, Kafrelsheikh University, Kafr Elsheikh 33516, Egypt

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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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

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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