



## Weed Biology, Ecological Problems and New Strategies for Weed Management and Control

Guest Editors:

**Dr. Thomas Gitsopoulos**

Institute of Plant Breeding and  
Genetic Resources, Hellenic  
Agricultural Organization Dimitra,  
57001 Thessaloniki, Greece

**Dr. Nikos Krigas**

Institute of Plant Breeding and  
Genetic Resources, Hellenic  
Agricultural Organization Dimitra,  
57001 Thessaloniki, Greece

Deadline for manuscript  
submissions:

**5 December 2024**

### Message from the Guest Editors

Weeds encompass invasive alien and range-expanding native plant species that may occur across a vast range of cultivated settings, from urban and urbanized areas to croplands and agroecosystems, or in natural areas affected by human activities. Primarily, weeds are a serious threat to agricultural crops and cultivated lands. Herbicide resistance is an emerging issue imperiling the global food production system as the number of weed species with herbicide resistance increases alarmingly worldwide. Biological knowledge and an understanding of weed ecology are essential for the application of proper and effective weed monitoring and management, while new approaches and novel strategies for weed control are urgently required in this era of climate change. In this Special Issue, original research articles and reviews are welcome.





an Open Access Journal by MDPI

## 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

## Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

**Journal Rank:** JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)

## Contact Us

---

Agriculture Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/agriculture  
agriculture@mdpi.com  
X@AgricultureMdpi