



## New Insight into Crops Defense Response

Guest Editor:

### **Prof. Dr. Dariusz Piesik**

Department of Biology and Plant Protection, Faculty of Agriculture and Biotechnology, PBS Bydgoszcz University of Science and Technology, 7 Prof. Kaliskiego Ave., 85-796 Bydgoszcz, Poland

dariusz.piesik@pbs.edu.pl

Deadline for manuscript submissions:

**31 July 2023**

### **Message from the Guest Editor**

Plants frequently live in environments characterized by the presence of stresses. The molecular mechanisms activated by plants in response to abiotic and biotic environmental factors are still important research topics.

The importance of plant–insect/plant pathogen interactions has long been known, but they have only recently received any detailed attention and study, which has led to the discovery of novel plant defensive strategies. The farm to fork strategy sets the ambitious target of reducing by 50% the overall use and risk of chemical and other more hazardous pesticides, in addition to reducing the risk connected with an increasing number of outbreaks of new pests and pests that were not previously considered important. This highlights that there is an urgent need for a totally novel, environment-friendly approach to tackle these challenges.

The aim of this Special Issue is to examine crops' defense responses based on volatile organic compounds, phenolic acids, plant toxins, phytoecdysteroids etc.

All types of scientific paper dealing with this topic are welcomed.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Peter Langridge**

School of Agriculture, Food and  
Wine, University of Adelaide,  
Urrbrae, SA 5064, Australia

## Message from the Editor-in-Chief

*Agronomy* draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

## 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, and other databases.

**Journal Rank:** JCR - Q1 (*Agronomy*) / CiteScore - Q2 (*Agronomy and Crop Science*)

## Contact Us

---

*Agronomy*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/agronomy  
agronomy@mdpi.com  
@Agronomy\_Mdpi