



an Open Access Journal by MDPI

# Phytoalexins, Resistance Inducers, and Sustainable Control Measures in Crop Protection Strategies—2nd Edition

Guest Editor:

#### Prof. Dr. Francesco Calzarano

Department of Bioscience and Technologies for Food, Agriculture and Environment, University of Teramo, 64100 Teramo, Italy

Deadline for manuscript submissions: **30 November 2024** 

### Message from the Guest Editor

In-depth knowledge on plant defense mechanisms in response to pathogens will facilitate the development of crop protection strategies based on the induction of effective defense responses in disease control. To achieve this, research on different substances to be used as resistance inductors, in order to improve plant defense responses, will prove very important. This could allow a higher and faster synthesis of phytoalexins, and/or other defense compounds, in growth stages in which the pathogen is more virulent, providing a real contribution to disease control. Similarly, the objective of environmentally friendly and sustainable control can be achieved using biological and natural products instead of chemical applications. Therefore, this Special Issue aims to collect articles from both themes mentioned which have the same objective of avoiding or reducing the use of chemical plant protection products.



**Special**sue





an Open Access Journal by MDPI

## **Editor-in-Chief**

#### Prof. Dr. Leslie A. Weston

Graham Centre for Agricultural Innovation, Charles Sturt University, Wagga Wagga, NSW 2678, 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 - Q1 (Agronomy and Crop Science)

### **Contact Us**

*Agronomy* Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/agronomy agronomy@mdpi.com X@Agronomy\_Mdpi