# Special Issue

# Prospects of Biostimulants for Improving Crop Resistance

## Message from the Guest Editor

Intensive crop production requires constant protection against adverse biological and abiotic factors. Unfortunately, the widespread use of synthetic plant protection agents causes irreversible changes in the environment. In order to reduce the adverse effect of the use of synthetic pesticides, active substances have been gradually withdrawn from use. As a result, interest in biological plant protection agents, which are safer for crops and the natural environment, has increased. The scope of biological plant protection solutions against diseases, pests and abiotic factors includes the following: beneficial organisms, biochemicals, macro and microelements, nanoparticles, amino acids and phytohormone precursors. This Special Issue focuses on the presentation of new biostimulants that improve plant health and describes the mechanisms of action of new or existing solutions for biostimulation of crop resistance. Research on biological biostimulants or non-synthetic chemicals and fertilizers is preferred. Nevertheless, studies on synthetic biostimulants will also be accepted, if the authors confirm their lower environmental impact compared to commercial pesticides.

## Guest Editor

Dr. Sebastian Wojciech Przemieniecki

Department of Entomology, Phytopathology and Molecular Diagnostics, University of Warmia and Mazury in Olsztyn, 10-720 Olsztyn, Poland

## Deadline for manuscript submissions

closed (20 July 2023)

**Agriculture**

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/159304

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

mdpi.com/journal/agriculture

# Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/journal/agriculture

MDPI

# About the Journal

## 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

## 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)