



## **Plant Protection and Biostimulation by Natural Compounds and Beneficial Microorganisms**

Guest Editors:

**Dr. Eugenio Llorens**

**Dr. Begonya Vicedo**

**Dr. Loredana Scalschi**

**Dr. Carlos Agustí-Brisach**

Deadline for manuscript  
submissions:

**closed (20 May 2022)**

### **Message from the Guest Editors**

Current studies about global food and agriculture show that world production may need to be increased by 60%–110% before 2050 to avoid food shortage. Along with the demand for increased production, there is also a requirement to protect the environment, mainly by reducing the number of pesticides, and making better use of agricultural inputs and resources: land, water, fertilizers, and energy. Classic improvement remains the most widely used method for the production of improved and stress-resistant crop plants. However, it has become clear that this approach by itself will not be sufficient to provide long-term solutions due to its many limitations. The use of natural alternatives, such as biostimulants and beneficial microorganisms, has become one of the most promising strategies to improve food production, reducing the amount of chemical inputs.

This Special Issue is intended to bring together a collection of research papers on the applied use natural bio stimulants and beneficial microorganisms in growth promotion and plant protection including creative strategies to grow more food with fewer resources and less problems associated with the use of chemicals fertilizers.





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## 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

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Agriculture Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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