

## Special Issue

# Advanced Research in Crops: From Physiology to Breeding

### Message from the Guest Editors

Food crops and industrial crops are an important part of agriculture and are of great significance to the agricultural economy and rural development. Biotic stress factors (viruses, bacteria, fungi, insects, weeds, etc.) and abiotic stress factors (drought, salinity, extreme temperatures, shortage of macro- or micronutrients, heavy metals, and other pollutants, etc.) lead to changes in the morphology (plant height, root length, leaf color, leaf structure, etc.), physiology (osmotic pressure, transpiration rate, photosynthesis, oxygen balance, etc.), biochemistry (metabolism of proteins, carbohydrates, and other biomolecules), and molecular mechanisms (gene expression, signaling pathways, DNA and RNA modifications, etc.) of crops during growth, ultimately reducing yield and quality.

Based on this, this Special Issue focuses on whole chain factors affecting crop yield and quality, including varieties, stresses, and cultivation measures and analyzes the phenotypic, physiological, and biochemical processes and genetic regulatory pathways of crop response to stress.

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### Guest Editors

Dr. Guang Chen

Institute of Quality Standard and Monitoring Technology for Agro-Products of Guangdong Academy of Agricultural Sciences, Guangzhou 510640, China

Dr. Edyta Zdunek-Zastocka

Department of Biochemistry and Microbiology, Warsaw University of Life Sciences—SGGW, Nowoursynowska 159, 02-776 Warsaw, Poland

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## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
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The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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