Special Issue

New Insight into Crops Defense Responses

Message from the Guest Editors

As sessile organisms, plants are always prone to potential attacks by pathogens. Every year, 20-40% of crop losses occur in global crop production due to pathogen damage. Over time, plants have developed intriguing and intricate defense mechanisms to cope with these pathogen attacks. In addition to their basal defenses, plants have acquired the ability to identify pathogens and produce explicit and dynamic molecular defense responses. There has been tremendous progress in the scientific community in identifying critical components and signaling pathways in such plant defense mechanisms. However, many elements of plant defense remain undiscovered due to complex crosstalk among signaling pathways. With the advent of new technologies, we now have improved tools that can analyze genomics, molecular genetics, metabolomics, and proteomics data to unravel crop defense mechanisms against multiple pathogens. For this Special Issue of *Crops*, we are inviting articles (original research, review, methods, short communication, short reports) to expand our current understanding of the crop defense response.

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Deadline for manuscript submissions

closed (25 October 2022)

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About the Journal

Message from the Editor-in-Chief

Crops (ISSN 2673-7655) is an international, peer-reviewed, open access journal. It publishes original articles, critical reviews, and short communications in every aspect of crop science. The journal invites contributions concerning production, improvement and utilization of all plants that are grown as crops including grains, oilseeds, forages, vegetables, fruits, nuts, and those grown for industrial uses. Our aim is to publish timely experimental and theoretical research results in a rapid and readily accessible manner. Every published article is made immediately available worldwide with free and unlimited access to everyone. If you want your work to reach a global audience of crop scientists, we invite you to submit a paper *Crops*, the international journal of crop science.

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