

Special Issue

Unveiling Host–Pathogen Interactions in Brassicaceae: Insights into Disease Resistance Mechanisms and Molecular Regulation

Message from the Guest Editors

Brassicaceae, one of the most interesting angiosperms families, contains over 4000 species, including such economically important ones as *Brassica juncea*, *B. napus*, and *B. oleracea*, which are all grown worldwide. These species play roles as food, fodder, and biofuel. However, the overall local and global changes in the climate and the increasing anthropogenic pressures trigger the uncontrollable spreading of pathogen-induced diseases (originating from viral, bacterial, fungal, and oomycete pathogens) and the appearance of new pathogenic interactions. Therefore, searching for sources of crop plant resistance that can be introduced and broadly used in agriculture is one of the most desirable and modern approaches in plant research. Innate immunity-based plant resistance, including systemic acquired resistance (SAR) and induced systemic resistance (ISR), is widely investigated in *Brassicaceae* pathosystems by many research groups worldwide. In this Special Issue, we welcome original research papers and reviews on all aspects of resistant, tolerant, and susceptible *Brassicaceae* responses to various pathogens under laboratory or field conditions.

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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.

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