

Special Issue

Downy Mildews in Crop Plants

Message from the Guest Editors

Biotic stresses are responsible for important crop losses each year. Downy mildews, elicited by obligate pathogens of the oomycete Peronosporaceae family, are recognized as an increasing threat for crop production. The disease can cause economically significant damage in different crops, reducing yield and severely compromising the quality of marketable products. Downy mildew disease is more severe in temperate climates, during mild or fresh seasons, and high air humidity. It is a polycyclic foliar disease, easily disseminated by airborne conidia dispersed by wind. The pathogens can survive as oospores in infected plant debris in the soil and leaves, and these are responsible for the primary infections. Research articles will update our understanding of the most important advances in research on downy mildew disease across a broad range of subjects, such as disease resistance, genetics, germplasm and breeding, crop protection, phenotyping, plant biology and ecology, pathology, mycology, and taxonomy in different crops species including vegetable crops, ornamental, and field crops. All types of articles, such as original research, opinions, and reviews are welcome.

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Deadline for manuscript submissions

closed (25 January 2024)



Agriculture

an Open Access Journal
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Impact Factor 3.6
CiteScore 6.3



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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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