



plants



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Response of Tomato Genotypes to High Temperature

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Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editors

Currently, human society is facing issues resulting from two major challenges: the growth in world population and global climate changes. In the proposed Special Issue, we will showcase tomato as the model crop for elucidating all the different factors that contribute to determining the heat stress response in plants as well as to investigate the most promising mechanisms of thermotolerance that could promote the maintenance of high yield while ensuring good fruit quality. This topic should be addressed through a broad range of perspectives so as to cover all aspects concerning its complexity and, therefore, we will open up a scientific discussion on the response of tomato genotypes to heat, which will focus on multidisciplinary studies regarding tomato adaptation to high temperatures and ranging from basic molecular biology to new breeding strategies and genotypes selection. Original research papers, methods, reviews, and perspectives are welcome.



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Special Issue



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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