



plants



an Open Access Journal by MDPI

Response of Tomato Genotypes to High Temperature

Guest Editors:

Prof. Dr. Amalia Barone

Department of Agricultural
Sciences, University of Naples
Federico II, Via Università 100,
80055 Naples, Italy

Dr. Frederic Delmas

Univ. Bordeaux, INRAE, Fruit
Biology and Pathology, UMR
1332, F-33140 Villenave d'Ornon,
France

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.



mdpi.com/si/61374

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Plant Sciences*) / CiteScore - Q1 (*Plant Science*)

Contact Us

Plants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)