

References

- Alsamir M., Mahmood T., Trethowan R., and Ahmad N., 2020, An overview of heat stress in tomato (*Solanum lycopersicum* L.), Saudi Journal of Biological Sciences, 28(3): 1654-1663.
<https://doi.org/10.1016/j.sjbs.2020.11.088>
- Angmo P., Phuntsog N., Namgail D., Chaurasia O., and Stobdan T., 2021, Effect of shading and high temperature amplitude in greenhouse on growth, photosynthesis, yield and phenolic contents of tomato (*Lycopersicon esculentum* Mill.), Physiology and Molecular Biology of Plants, 27(7): 1539-1546.
<https://doi.org/10.1007/s12298-021-01032-z>
- Ayankojo I.T., and Morgan K., 2020, Increasing air temperatures and its effects on growth and productivity of tomato in South Florida, Plants, 9(9): 1245.
<https://doi.org/10.3390/plants9091245>
- Bertin N., 2004, Analysis of the tomato fruit growth response to temperature and plant fruit load in relation to cell division, cell expansion and DNA endoreduplication, Annals of Botany, 95(3): 439-447.
<https://doi.org/10.1093/aob/mci042>
- Bristow S., Hernandez-Espinoza L.H., Bonarota M.S., and Barrios-Masias F., 2021, Tomato rootstocks mediate plant-water relations and leaf nutrient profiles of a common scion under suboptimal soil temperatures, Frontiers in Plant Science, 11: 618488.
<https://doi.org/10.3389/fpls.2020.618488>
- Chi C., Xu X.C., Wang M., Zhang H., Fang P., Zhou J., Xia X., Shi K., Zhou Y., and Yu J., 2021, Strigolactones positively regulate abscisic acid-dependent heat and cold tolerance in tomato, Horticulture Research, 8: 228.
<https://doi.org/10.1038/s41438-021-00668-y>
- Dasgan H., Dere S., Akhoundnejad Y., and Arpacı B., 2021, Effects of high-temperature stress during plant cultivation on tomato (*Solanum lycopersicum* L.) fruit nutrient content, Acta Horticulturae, 2021(1): 7994417.
- Efeta B., D'arc U.J., Claude S.J., Pancras N., and Jonathan M., 2025, The influence of temperature difference on crop physiological process: Systematic growth analysis of *Solanum lycopersicum* (tomatoes) in both greenhouse and open field, East African Journal of Agriculture and Biotechnology, 8(2): 3973.
<https://doi.org/10.37284/eajab.8.2.3973>
- Elazazi E., Ziemis L., Mahmood T., Eltanger N., Al-Qahtani M., Shahsil N., Al-Kuwari A., Metwally M., Trethowan R., and Dong C., 2024, Genotypic selection using quantitative trait loci for better productivity under high temperature stress in tomato (*Solanum lycopersicum* L.), Horticulturae, 10(8): 874.
<https://doi.org/10.3390/horticulturae10080874>
- Fortunato S., Lasorella C., Dipierro N., Vita F., and De Pinto M.C., 2023, Redox signaling in plant heat stress response, Antioxidants, 12(3): 605.
<https://doi.org/10.3390/antiox12030605>
- Frank G., Pressman E., Ophir R., Althan L., Shaked R., Freedman M., Shen S., and Firon N., 2009, Transcriptional profiling of maturing tomato (*Solanum lycopersicum* L.) microspores reveals the involvement of heat shock proteins, ROS scavengers, hormones, and sugars in the heat stress response, Journal of Experimental Botany, 60(13): 3891-3908.
<https://doi.org/10.1093/jxb/erp234>
- Gao H., and Wu F., 2024, Physiological and transcriptomic analysis of tomato in response to sub-optimal temperature stress, Plant Signaling and Behavior, 19(1): 2332018.
<https://doi.org/10.1080/15592324.2024.2332018>
- Graci S., and Barone A., 2024, Tomato plant response to heat stress: a focus on candidate genes for yield-related traits, Frontiers in Plant Science, 14: 1245661.
<https://doi.org/10.3389/fpls.2023.1245661>
- Hasanuzzaman M., Bhuyan M., Zulfiqar F., Raza A., Mohsin S., Mahmud J., Fujita M., and Fotopoulos V., 2020, Reactive oxygen species and antioxidant defense in plants under abiotic stress: Revisiting the crucial role of a universal defense regulator, Antioxidants, 9(8): 681.
<https://doi.org/10.3390/antiox9080681>
- Hu Y., Fragkostefanakis S., Schleiff E., and Simm S., 2020, Transcriptional basis for differential thermosensitivity of seedlings of various tomato genotypes, Genes, 11(6): 655.
<https://doi.org/10.3390/genes11060655>
- Ju S.H., Lee B., Kim E.J., Go Y., Park J., and Na H., 2023, Effects of the air temperature and root zone temperature in greenhouses on the early growth of tomatoes, Korean Journal of Horticultural Science and Technology, 41(4): 390-402.
<https://doi.org/10.7235/hort.20230036>
- Khan Q., Wang Y., Xia G., Yang H., Luo Z., and Zhang Y., 2024, Deleterious effects of heat stress on the tomato, its innate responses, and potential preventive strategies in the realm of emerging technologies, Metabolites, 14(5): 283.
<https://doi.org/10.3390/metabo14050283>
- Labouriau L.G., and Osborn J., 1984, Temperature dependence of the germination of tomato seeds, Journal of Thermal Biology, 9(4): 285-294.
[https://doi.org/10.1016/0306-4565\(84\)90010-X](https://doi.org/10.1016/0306-4565(84)90010-X)
- Lee K., Rajametov S., Jeong H., Cho M., Lee O., Kim S.G., Yang E., and Chae W., 2022, Comprehensive understanding of selecting traits for heat tolerance during vegetative and reproductive growth stages in tomato, Agronomy, 12(4): 834.
<https://doi.org/10.3390/agronomy12040834>
- Li H., Liu Y., Li Y., Yang Q., Yang T., Zhou Z., Li Y., Zhang N., Lyu Y., Zhu Y., and Lin T., 2023, Heat shock transcription factors regulate thermotolerance gene networks in tomato (*Solanum lycopersicum*) flower buds, Horticultural Plant Journal, 11(1): 199-210.
<https://doi.org/10.1016/j.hpj.2023.06.004>