

- Pflüger T., Jensen S.M., Liu F., and Rosenqvist E., 2024, Leaf gas exchange responses to combined heat and drought stress in wheat genotypes with varied stomatal density, *Environmental and Experimental Botany*, 228: 105984.
<https://doi.org/10.1016/j.envexpbot.2024.105984>
- Qiao M., Hong C., Jiao Y., Hou S., and Gao H., 2024, Impacts of drought on photosynthesis in major food crops and the related mechanisms of plant responses to drought, *Plants*, 13(13): 1808.
<https://doi.org/10.3390/plants13131808>
- Ru C., Wang K., Hu X., Chen D., Wang W., and Yang H., 2023, Nitrogen modulates the effects of heat, drought, and combined stresses on photosynthesis, antioxidant capacity, cell osmoregulation, and grain yield in winter wheat, *Journal of Plant Growth Regulation*, 42(3): 1681-1703.
<https://doi.org/10.1007/s00344-022-10650-0>
- Soares G.F., Ramos M.L.G., Pereira L.F., Keller B., Muller O., de Lima C.A., da Silva P.C., Malaquias J.V., Chagas J.H., and Ribeiro Junior W.Q., 2025, Phenotyping for drought tolerance in different wheat genotypes using spectral and fluorescence sensors, *Plants*, 14(14): 2216.
<https://doi.org/10.3390/plants14142216>
- Sommer S.G., Han E., Li X., Rosenqvist E., and Liu F., 2023, The chlorophyll fluorescence parameter f_v/f_m correlates with loss of grain yield after severe drought in three wheat genotypes grown at two CO₂ concentrations, *Plants*, 12(3): 436.
<https://doi.org/10.3390/plants12030436>
- Song M., Hu N., Zhou S., Xie S., Yang J., Ma W., Teng Z., Liang W., Wang C., Bu M., Zhang S., Yang X., and He D., 2023, Physiological and RNA-Seq analyses on exogenous strigolactones alleviating drought by improving antioxidation and photosynthesis in wheat (*Triticum aestivum* L.), *Antioxidants*, 12(10): 1884.
<https://doi.org/10.3390/antiox12101884>
- Todorova D., Aleksandrov V., Anev S., and Sergiev I., 2022, Photosynthesis alterations in wheat plants induced by herbicide, soil drought or flooding, *Agronomy*, 12(2): 390.
<https://doi.org/10.3390/agronomy12020390>
- Vijayaraghavareddy P., Lekshmy S.V., Struik P.C., Makarla U., Yin X., and Sreeman S., 2022, Production and scavenging of reactive oxygen species confer to differential sensitivity of rice and wheat to drought stress, *Crop and Environment*, 1(1): 15-23.
<https://doi.org/10.1016/j.crope.2022.03.010>
- Wang L., Zhang Y., Li H., Hu X., Feng P., Mo Y., and Gong S., 2025, Stomatal-hydraulic coordination mechanisms of wheat in response to atmospheric-soil drought and rewatering, *Agriculture*, 15(13): 1375.
<https://doi.org/10.3390/agriculture15131375>
- Wu K., Li X., Gao C., Li X., Zhao Y., Li X., and Sun W., 2026, Physiological and transcriptomic responses of Xinjiang Wheat 'Xindong 22' (*Triticum aestivum* L.) to drought stress during early development, *Agriculture*, 16(4): 483.
<https://doi.org/10.3390/agriculture16040483>
- Yang S.H., Hou Z.H., Zheng L., Jiao Y.C., Cheng W., Li H., Chen J., Zhou Y., Zhu X., Chen M., Gao X., Fu J.D., Ma Y.Z., Fang Z., and Xu Z.S., 2026, A TaMYB2-TaMAP3K17 module enhances drought tolerance by promoting reactive oxygen species scavenging in wheat, *Abiotech*, 2026: 100058.
<https://doi.org/10.1016/j.abiote.2026.100058>
- Yang Y., Li Y., Ma X., Teng Z., Yan L., Chang S., Peng S., Hou P., and Li Y., 2026, Leaf morpho-anatomical traits regulate the differential responses of stomatal and mesophyll conductance to drought in rice and wheat, *The Plant Journal*, 125(2): e70673.
<https://doi.org/10.1111/tpj.70673>
- Zhao W., Liu L., Shen Q., Yang J., Han X., Tian F., and Wu J., 2020, Effects of water stress on photosynthesis, yield, and water use efficiency in winter wheat, *Water*, 12(8): 2127.
<https://doi.org/10.3390/w12082127>



Disclaimer/Publisher's Note

The statements, opinions, and data contained in all publications are solely those of the individual authors and contributors and do not represent the views of the publishing house and/or its editors. The publisher and/or its editors disclaim all responsibility for any harm or damage to persons or property that may result from the application of ideas, methods, instructions, or products discussed in the content. Publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.