

**Список основных публикаций д.б.н. Савченко Т.В. за последние 5 лет**

1. Savchenko T., Rolletschek H., Heinzl N., Tikhonov K., Dehesh K. Waterlogging tolerance rendered by oxylipin-mediated metabolic reprogramming in Arabidopsis. - J Exp Bot. – 2019. – V. 70 (10). – P. 2919-2932 (doi 10.1093/jxb/erz110).
2. Savchenko T.V., Rolletschek H, Dehesh K. Jasmonates-Mediated Rewiring of Central Metabolism Regulates Adaptive Responses. - Plant Cell Physiol. – 2019. – V. 60 (12). – P. 2613-2620 (doi 10.1093/pcp/pcz181).
3. Pigolev A.V., Miroshnichenko D.N., Pushin A.S., Terentyev V.V., Boutanayev A.M, Dolgov S.V., Savchenko T.V. Overexpression of Arabidopsis *OPR3* in Hexaploid Wheat (*Triticum aestivum* L.) Alters Plant Development and Freezing Tolerance. Int J Mol Sci. – 2018. – V. 19 (12): pii: E3989 (doi 10.3390/ijms19123989).
4. Savchenko T., Yanykin D., Khorobrykh A., Terentyev V., Klimov V., Dehesh K. The hydroperoxide lyase branch of the oxylipin pathway protects against photoinhibition of photosynthesis. Planta. – 2017. – V. 245 (6). – P. 1179-1192 (doi 10.1007/s00425-017-2674-z).
5. Tikhonov K., Khristin M., Klimov V., Sundireva M., Kreslavski V., Sidorov V., Tsidendambayev V., Savchenko T. Structural and functional characteristics of photosynthetic apparatus of chlorophyll-containing grape vine tissue. Rus J of Plant Physiol. – 2017. – V. 64 (1). – P. 73–82 (doi 10.1134/S102144371606011X).
6. Savchenko T.V., Zastrijnaja O.M., Klimov V.V. Oxylipins and Plant Abiotic Stress Resistance. Biochemistry (Moscow). – 2014. – V. 79 (4). – P. 362-375 (doi 10.1134/S0006297914040051).
7. Savchenko T., Dehesh K. Drought stress modulates oxylipin signature by eliciting 12-OPDA as a potent regulator of stomatal aperture. Plant Signal Behav. – 2014. – V. 9 (4): e28304 (doi 10.4161/psb.28304).
8. Savchenko T., Kolla V.A., Wang C.Q., Nasafi Z., Hicks D.R., Phadungchob B., Chehab W.E., Brandizzi F., Froehlich J., Dehesh K. Functional convergence of oxylipin and abscisic acid pathways controls stomatal closure in response to drought. Plant Physiol. – 2014. – V. 164 (3). – P. 1151-1160 (doi 10.1104/pp.113.234310).