

**Спътък на научни публикации
за участие в конкурса**
Ирина Иванова Васева
главен асистент в лаборатория "Регулация на генната експресия"
Институт по физиология на растенията и генетика - БАН

Общ брой: 28

Първи автор: 14

Брой публикации в списания с импакт фактор: 18 (общ IF 29.156)

1. **Vaseva-Gemisheva I**, Lee D, Alexieva V, Karanov E. 2004. Cytokinin oxidase/dehydrogenase in *Pisum sativum* plants during vegetative development. Influence of UV-B irradiation and high temperature on the enzymatic activity. *Plant Growth Regul*, **42** (1): 1-5 (2004 IF=0.688)
2. Todorova D, Genkov T, **Vaseva-Gemisheva I**, Alexieva V, Karanov E, Smith A, Hall M. 2005. Effect of temperature stress on the endogenous cytokinin content in *Arabidopsis thaliana* (L.) Heynh plants. *Acta Physiol Plant*, **27** (1): 13-18 (2005 IF=0.379)
3. Todorova D, **Vaseva-Gemisheva I**, Petrov P, Stoynova-Bakalova E, Alexieva V, **Karanov E**, Smith A, Hall M. 2006. Cytokinin oxidase/dehydrogenase (CKX) activity in wild and ethylene-insensitive mutant *eti5* type of *Arabidopsis thaliana* (L.) Heynh plants and the effect of cytokinin N¹-(2-chloro-4-pyridyl)-N²-phenylurea on enzymatic activity and leaf morphology. *Acta Physiol Plant* **28** (6), 613-617 (2006 IF=0.528)
4. **Vaseva I**, Todorova D, Malbeck J, Trávníčková A, Machackova I, **Karanov E**. 2006. Two pea varieties differ in cytokinin oxidase/dehydrogenase response to UV-B radiation. *General and Applied Plant Physiol, Special Issue – Proceedings of the workshop on SUSTAINABILITY, STRESS AND THE BASES OF PLANT RESISTANCE Acad. M. Popov Institute of Plant Physiology* 8 September, 2006, Sofia, Bulgaria, 131-138
5. **Vaseva I**, Todorova D, Malbeck J, Trávníčková A, Macháčková I. 2008. Response of cytokinin pool and cytokinin oxidase/dehydrogenase activity to abscisic acid exhibits organ specificity in peas. *Acta Physiologiae Plantarum* **30** (2): 151-155 (2008 IF=0.807)
6. Kirova E, Tzvetkova N, **Vaseva I**, Ignatov G. 2008. Photosynthetic responses of nitrate-fed and nitrogen-fixing soybeans to progressive water stress. *Journal of Plant Nutrition* **31**: 445–458 (2008 IF=0.569)
7. Demirevska K, Simova-Stoilova L, Vassileva V, **Vaseva I**, Grigorova B, Feller U. 2008. Drought induced leaf protein alterations in sensitive and tolerant wheat varieties. *General and Applied Plant Physiology, Special Issue – Proceedings of the Conference 'Responses of Plants to Environmental Stresses'*, 12 - 18 May 2008, Elena, Bulgaria, **34** (1-2): 79-102
8. **Vaseva I**, Todorova D, Malbeck J, Travničkova A, Machačkova I. 2009. Mild temperature stress modulates cytokinin content and cytokinin oxidase/dehydrogenase activity in young pea plants. *Acta Agronomica Hungarica* **57**(1): 33–40
9. **Vaseva II**, Grigorova BS, Simova-Stoilova LP, Demirevska KN, Feller U. 2010. Abscisic acid and LEA profile changes in winter wheat under progressive drought stress. *Plant Biology*, **12** (5): 698–707 (2010 IF=2.223)
10. Simova-Stoilova L, **Vaseva I**, Grigorova B, Demirevska K, Feller U. 2010. Proteolytic activity and cysteine protease expression in wheat leaves under severe soil drought

- and recovery. *Plant Physiology and Biochemistry*, 48(2-3): 200-206 (2010 IF=2.485)
11. Grigorova B, **Vaseva I**, Demirevska K, Feller U. 2011. Combined drought and heat stress in wheat: changes in some heat shock proteins. *Biol. Plantarum*, 55 (1): 105-111 (2011 IF= 1.974).
 12. Grigorova B, **Vaseva I**, Demirevska K, Feller U. 2011. Comparative study of HSP expression after individually applied and combined drought/heat stress in wheat plants. *Acta Physiologiae Plantarum*, 33 (5): 2041-2049 (2011 IF=1.639)
 13. **Vaseva I**, Akiscan Y, Demirevska K, Anders I, Feller U. 2011. Drought stress tolerance of red and white clover – comparative analysis of some chaperonins and dehydrins. *Scientia Horticulturae*, 130: 653–659 (2011 IF=1.045)
 14. **Vaseva I**, Sabotic J, Sustar-Vozlic J, Meglic V, Kidric M, Demirevska K, Simova-Stoilova L. 2011. The Response of Plants to Drought Stress – The Role of Dehydrins, Chaperones, Proteases and Protease Inhibitors in Maintaining Cellular Protein Function. In: *Droughts: New Research*, Chapter 11, Editors: Diogo F. Neves and João D. Sanz, ©2011 Nova Science Publishers, Inc. ISBN: 978-1-62100-769-2
 15. Vandenbussche F, **Vaseva I**, Vissenberg K, Van Der Straeten D. 2012. Ethylene in vegetative development: a tale with a riddle. Tansley review. *New Phytologist*. 194: 895-909 (2012 IF=6.736)
 16. Grigorova B, Vassileva V, Klimchuk D, **Vaseva I**, Demirevska K, Feller U. 2012. Drought, high temperature and their combination affect wheat (*Triticum aestivum* L.) chloroplasts and mitochondria ultrastructure. *Journal of Plant Interactions*, 7 (3): 204-213 (2012 IF=0.897)
 17. **Vaseva I**, Akiscan Y, Simova-Stoilova L, Kostadinova A, Nenkova R, Anders I, Feller U, Demirevska K. 2012. Antioxidant response to drought in red and white clover. *Acta Physiologiae Plantarum* 34 (5): 1689-1699 (2012 IF=1.305)
 18. Stoychev V, Simova-Stoilova L, **Vaseva I**, Kostadinova A, Nenkova R, Feller U, Demirevska K. 2013. Protein changes and proteolytic degradation in red and white clover plants subjected to waterlogging. *Acta Physiologiae Plantarum*, 35: 1925-1932 (2013 IF=1.524)
 19. **Vaseva I**, Feller U. 2013. Natural antisense transcripts of *Trifolium repens* dehydrins. *Plant Signaling & Behaviour*, e27674, DOI: 10.4161/psb.27674
 20. **Vaseva I**, Anders I, Feller U. 2014. Identification of dehydrin subclasses involved in drought response of *Trifolium repens*. *Journal of Plant Physiology*, 171: 213-224 (2014 IF: 2.770)
 21. **Vaseva I**, Anders I, Yuperlieva-Mateeva B, Nenkova R, Kostadinova A, Feller U. 2014. Dehydrin expression as a potential diagnostic tool for cold stress in white clover. *Plant Physiology and Biochemistry*, 78: 43-48 (2014 IF: 2.352)
 22. Feller U, **Vaseva II**. 2014. Extreme climatic events: impacts of drought and high temperature on physiological processes in agronomically important plants. *Frontiers in Environmental Science*, doi: 10.3389/fenvs.2014.00039
 23. Feller U, **Vaseva II**, Yuperlieva-Mateeva B. 2014. Solute transport via xylem and phloem in two wheat genotypes differing in drought susceptibility. *Genetics and Plant Physiology*, 4 (1–2): 32–43, Special Issue (Part 1) – Conference “Plant Physiology and Genetics – Achievements and Challenges” 24 - 26 September 2014 – Sofia, Bulgaria
 24. **Vaseva I**, Zehirov G, Stoychev V, Kirova E, Simova-Stoilova L, Sabotić J., Šuštar-Vozlič J, Meglič V, Kidrič M. 2014. Semi-quantitative RT-PCR analysis of selected protease

- inhibitors in drought-stressed *Triticum aestivum*. Genetics and Plant Physiology, 4 (1–2): 57–67, Special Issue (Part 1) – Conference “Plant Physiology and Genetics – Achievements and Challenges” 24 - 26 September 2014 – Sofia, Bulgaria
25. Stoychev V, Simova-Stoilova L, Vassileva V, Jorrín Novo JV, **Vaseva I**, Velikova V, Tsonev T. 2015. Changes in 2-DE protein profile of white and red clover leaves in response to waterlogging stress and recovery. Advances in Environmental Research 39: 131-162
26. Simova-Stoilova L, Kirova E, Zehirov G, **Vaseva I**, Feller U. 2016. Aminopeptidase activities in roots and leaves of drought stressed winter wheat seedlings. Genetics and Plant Physiology 6 (3-4): 116-134
27. **Vaseva II**, Zehirov G, Kirova E, Simova-Stoilova L. 2016. Transcript profiling of serine- and cysteine protease inhibitors in *Triticum aestivum* varieties with different drought tolerance. Cereal Research Communications 44 (1): 79-88 (2016 IF=0.496)
28. **Vaseva II**, Vandebussche F, Simon D, Vissenberg K, Van Der Straeten D. 2016. Cell type specificity of plant hormonal signals: case studies and reflections on ethylene. Russian Journal of Plant Physiology 63 (5): 577-586 (2016 IF=0.739)