

СПИСЪК НА НАУЧНИТЕ ПУБЛИКАЦИИ
на гл. асистент д-р Людмила Симова-Стоилова

По темата на дисертацията (извън конкурса):

Simova L., Domogatski S. 1995. Some particularities of the humoral response to human collagens in mice Balb/c. *Compt. Rend. Acad. Sci. Bulg.*, 48 (8), 81-84, (Г-5).

Simova L., Domogatski S. 1995. Biodistribution of collagen in blood. *Compt. Rend. Acad. Sci. Bulg.*, 48 (6), 65-68, (Г-6).

По биохимия на растенията (включени в конкурса, в хронологичен ред):

1. Demirevska-Керова К., **Simova L.**, Chaianova S., Volodarsky A., **1988.** Rubisco-deficient mutant of barley. *Proceedings of International Symposium of Mineral Nutrition and Photosynthesis*, Varna-87, Vol. II Photosynthesis, 302-306.
2. Demirevska-Керова К., **Simova L.**, **1989.** Isolation and purification of ribulose-1,5-bisphosphate carboxylase/oxygenase from barley leaves. *Plant Physiol. (Bulg.)* 15 (3), 3-10.
3. Demirevska-Керова К., **Simova L.**, Juperlieva-Mateeva B., **1995.** Rubisco activase from barley leaves and polyclonal antibodies against it. *Compt. Rend. Acad. Sci. Bulg.* 48 (1), 97-100.
4. Demirevska-Керова К., **Simova-Stoilova L.**, **1995.** Investigations on the structure and conformational dynamics in ribulose-1,5-bisphosphate carboxylase/oxygenase (Rubisco) molecule (review). *Bulg. J. Plant Physiol.* 21 (1), 90-99.
5. Demirevska-Керова К., **Simova-Stoilova L.**, Kyurkchiev S., Juperlieva-Mateeva B., **1996.** Epitope mapping of Rubisco from barley leaves. *Compt. Rend. Acad. Sci. Bulg.*, 49 (3) 93-96.
- 6 **Simova-Stoilova L.**, Demirevska-Керова К., Kyurkchiev S., Juperlieva-Mateeva B., **1997.** Reactivity of monoclonal antibodies to Rubisco from different plant species. *Compt. Rend. Acad. Sci. Bulg.* 50 (4), 97-100.
7. Demirevska-Керова К., **Simova-Stoilova L.**, Kyurkchiev S., **1997.** Proteolytic degradation of barley Rubisco and recognition of the obtained fragments by monoclonal antibodies. *Photosynthetica* 34 (2), 211-218, **IF 0.663** (1998).
8. Demirevska-Керова К., **Simova-Stoilova L.**, Kyurkchiev S., **1997.** Characterization of specific sites on the Rubisco molecule recognized by monoclonal antibodies. *Plant. Physiol. Biochem.* 35 (7), 513-521.
9. Demirevska-Керова К., **Simova-Stoilova L.**, Juperlieva-Mateeva B., Kyurkchiev S., **1998.** Limited proteolysis of barley Rubisco and recognition of the fragments by monoclonal antibodies. Proceedings of the First Balkan Botanical Congress, Thessaloniki, Greece, September 19-22, 1997, *Progress in Botanical Research*, Eds.: I. Tsekos and M Moustakas, Kluwer Acad. Publ., 211-214.
10. Demirevska-Керова К., **Simova-Stoilova L.**, Kyurkchiev S., **1999.** Barley leaf Rubisco, Rubisco binding protein and Rubisco activase and their protein/protein interactions. *Bulg. J. of Plant Physiol.* 25 (3-4), 31-44.
11. Demirevska-Керова К., **Simova-Stoilova L.**, Kyurkchiev S., **2000.** Immunochemical proof for protein/protein interactions between Rubisco and Rubisco activase. Proceedings of the Second Balkan Botanical Congress *"Plants of the Balkan Peninsula: into the next Millennium"*, Istanbul, Turkey, May 14-18. Vol. II, 67-75.

12. **Simova-Stoilova L.**, Demirevska-Kepova K., **2000**. Sensitive avidin-biotin test system for Rubisco specific proteolytic activity. *Compt. Rend. Acad. Sci. Bulg.* 53 (5), 97-100.
13. **Simova-Stoilova L.**, Demirevska-Kepova K., Stoyanova Zl., **2000**. Total and Rubisco specific proteolytic activity during dark induced senescence of barley seedlings. *Bulg. J. Plant Physiol.* 26 (1-2), 15-26.
14. **Simova-Stoilova L.**, Stoyanova Z., Demirevska-Kepova K., **2001**. Ontogenic changes in leaf pigments, total soluble protein and Rubisco in two barley varieties in relation to yield. *Bulg. J. Plant Physiol.* 27 (1-2), 15-24.
15. **Simova-Stoilova L.**, Demirevska-Kepova K., **2002**. Purification of Rubisco from higher plants and its immunochemical quantitation in leaf extracts (invited review), *Recent Research developments in Biotechnol. and Bioengineering*, 36-56. Research Sighpost, India
16. **Simova-Stoilova L.**, Demirevska-Kepova K., Stoyanova Z., **2002**. RuBPCO specific proteolysis in barley chloroplasts during dark induced senescence. *Photosynthetica* 40 (4), 561-566.
17. Stoyanova Z., **Simova-Stoilova L.**, Demirevska-Kepova K., Smilova E., **2002**. Effect of Cu and Mn toxicity on growth parameters and photosynthetic pigments of young barley plants. *Compt. Rend. Acad. Bulg. Sci.* 55 (8), 83-88.
18. **Simova-Stoilova L.**, Demirevska-Kepova K., Stoyanova Z., Smilova E., **2002**. Effect of Cu and Mn toxicity on leaf protein pattern and Rubisco quantity of young barley plants. *Compt. Rend. Acad. Bulg. Sci.* 55 (9), 79-84.
19. Stoyanova Z., **Simova-Stoilova L.**, Demirevska-Kepova K., **2004**. Effect of Cd toxicity on growth parameters, photosynthetic pigments, H₂O₂ accumulation and oxidative damage to proteins in young barley plants. *Compt. Rend. Acad. Bulg. Sci.* 57 (8), 27-32.
20. **Simova-Stoilova L.**, Stoyanova Z., Demirevska-Kepova K., **2004**. Effect of Cd toxicity on the levels of some antioxidant enzymes and compounds in the leaves of young barley plants. *Compt. Rend. Acad. Bulg. Sci.* 57 (8), 45-50.
21. Demirevska-Kepova K., **Simova-Stoilova L.**, Stoyanova Z., Hölzer R., Feller U., **2004**. Biochemical changes in barley plants after excessive supply of copper and manganese. *Environ. Exp. Bot.* 52 (3), 253-266.
22. **Simova-Stoilova L.**, Demirevska-Kepova K., Stoyanova Z., **2005**. Antioxidative protection in the leaves of dark-senescing intact barley seedlings. *Acta Physiol. Plantarum* 27, 3B, 349-356.
23. Demirevska-Kepova K., Hölzer R., **Simova-Stoilova L.**, Feller U., **2005**. Heat stress effects on Rubisco, Rubisco binding protein and Rubisco activase in wheat leaves. *Biologia Plantarum* 49 (4), 521-525.
24. **Simova-Stoilova L.**, Vassileva V., Petrova T., Tsenov N., Demirevska K., Feller U., **2006**. Proteolytic activity in wheat leaves during drought stress and recovery. *General and Applied Plant Physiology*, Special Issue, 32 (1-2), 91-100.
25. Demirevska-Kepova K., **Simova-Stoilova L.**, Stoyanova Z., Feller U., **2006**. Cadmium stress in barley: growth, leaf pigment and protein composition and detoxification of reactive oxygen species. *J. of Plant Nutrition* 29 (3), 451-458.
26. Gorinova N., Nedkovska M., Todorovska E., **Simova-Stoilova L.**, Stoyanova Z., Georgieva K., Demirevska-Kepova K., Atanassov A., Herzig R., **2007**. Improved phytoaccumulation of cadmium by genetically modified tobacco plants (*Nicotiana tabacum* L.). Physiological and biochemical response of the transformants to cadmium toxicity. *Environmental*

Pollution 145, 161-170.

27. Fedina I., Velichkova M., Georgieva K., Demirevska K., **Simova L.**, 2007. UV-B response of green and etiolated barley seedlings. *Biologia Plantarum* 51(4), 699-706.
28. 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, 34 (1-2), 79-102.
29. Demirevska K., **Simova-Stoilova L.**, Vassileva V., Feller U., 2008. Rubisco and some chaperone protein responses to water stress and rewatering at early seedling growth of drought sensitive and tolerant wheat varieties. *Plant Growth Regulation* 56, 97–106.
30. **Simova-Stoilova L.**, Demirevska K., Petrova T., Tsenov N., Feller U., 2008. Antioxidative protection in wheat varieties under severe recoverable drought at seedling stage. *Plant Soil and Environment* 54 (12), 529–536.
31. **Simova-Stoilova L.**, Demirevska K., Petrova T., Tsenov N., Feller U., 2009. Antioxidative protection and proteolytic activity in tolerant and sensitive wheat (*Triticum aestivum* L.) varieties subjected to long-term field drought. *Plant Growth Regulation* 58 (1), 107-117.
32. Vassileva V., **Simova-Stoilova L.**, Demirevska K., Feller U., 2009. Variety-specific response of wheat (*Triticum aestivum* L.) leaf mitochondria to drought stress. *J Plant Res.* 122, 445-454.
33. Demirevska K., Zasheva D., Dimitrov R., **Simova-Stoilova L.**, Stamenova M., Feller U., 2009. Drought stress effects on Rubisco in wheat: changes in the Rubisco large subunit *Acta Physiologiae Plantarum* 31, 1129-1138.
34. Vaseva I., Grigorova B., **Simova-Stoilova L.**, Demirevska K., Feller U., 2010. Abscisic acid and late embryogenesis abundant protein profile changes in winter wheat under progressive drought stress. *Plant Biology* 12 (5), 698–707.
35. **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 Physiol. Biochem.* 48 (2-3), 200-206.

Публикации след подаване на документите за конкурса (извън него)

- Demirevska K., **Simova-Stoilova L.**, Fedina I., Georgieva K., Kunert K., 2010. Response of oryzacystatin I transformed tobacco plants to drought, heat and light stress. *Journal of Agronomy and Crop Science*, 196 (2), pp. 90-99.
- Vassileva V., K. Demirevska, L. **Simova-Stoilova** , T. Petrova, N. Tsenov, U. Feller., 2011. Winter wheat cultivars under long-term field drought – biochemical and ultrastructural constraints affecting yield. *Journal of Agronomy and Crop Science* (in press).
- Simova-Stoilova L.**, A. Kostadinova, R. Nenkova, I. Kosakivska, K. Demirevska, 2011. Comparative study on the drought response of four plant species differing in ecological adaptive strategies. *Compt. Rend. Acad. Bulg. Sci.* (under revision).
- Simova-Stoilova L.**, K. Demirevska, A. Kingston-Smith, U. Feller, 2011. Involvement of the leaf antioxidant system in the response to soil flooding in two *Trifolium* genotypes differing in their tolerance to waterlogging. *Plant Science* (submitted).

10.05. 2011 г.

Подпис:

(гл.асист.. д-р Л. Симова-Стоилова)