

Забелязани цитати
на публикациите на Вера Ст. Алексиева, ст. н. с. II ст., д-р
Институт по физиология на растенията и генетика – БАН

Алексиева, В. Растежрегулираща активност на производни на алифатните дикарбоксилови киселини, Кандидатска дисертация, С., 1987

Times Cited: 6.

1. Todorov, D., E. Karanov - J. Plant Nutrition, 18(1), 1995, 25-34.
2. Todorov, D., J. Angelova, E. Karanov - Bulg. J. Agric. Sci., 1997, 3:373-381;
3. Величков Д., Г. Георгиев, Ц. Цонев, Е. Карапов – Физиология на растенията, XV, 1989, 4, 21-25;
4. Тодоров Д., - Кандидатска дисертация, С., 1993
5. Тодоров Д., Д. Величков, Е. Карапов (1990), - Физиология на растенията, т. 8, ч. 1, 260-263;
6. Тодоров Д., Е. Карапов, Д. Величков (1993) - Compt. Rend. Acad. Bulg. Sci., 46, 1, 97-100;

(1) Karanov, E., V. Alexieva (1985) Growth retarding activity of certain aliphatic dicarboxylic acids and their diethyl esters, Acta Univ. Agric. XXXIII, 453-456;

Times Cited: 4.

7. Flors V; Miralles C; Cerezo M; Gonzalez-Bosch C; Garcia-Agustin P, (2001) Effect of a novel chemical mixture on senescence processes and plant-fungus interaction in solanaceae plants , J. Agricult Food Chem, 49(5) 2569-2575
8. Ohya, T., H. Suzuki - Plant Physiol. Biochem., 28, 1990, 27-35;
9. Todorov, D., G. Georgiev - In: Plant Metabolism Regulation, eds. E. Karanov, V. Alexieva, S., 1991, 22-25
10. Тодоров, Д., Кандидатска дисертация, С., 1993.

(2) Alexieva, V, E. Karanov (1987) Growth retarding activity of certain aliphatic dicarboxylic acid and their diethyl esters, Compt. Rend. Acad. Bulg. Sci., 40, 1, 85-88;

Times Cited: 11.

11. Flors V; Miralles C; Cerezo M; Gonzalez-Bosch C; Garcia-Agustin P, (2001) Effect of a novel chemical mixture on senescence processes and plant-fungus interaction in solanaceae plants , J. Agricult Food Chem, 49(5) 2569-2575
12. Kapchina, V., E. Yakimova - Acta Hortic., 251, 1989, 53-60;
13. Kapchina, V., E. Yakimova - In: Plant Metabolism Regulation, eds. E. Karanov, V. Alexieva, S., 1991, 87-90;
14. Kapchina, V., E. Yakimova, I. Greshkov (1992) - Selfregulation of Plant Metabolism, Eds. N. Bakardjeva, B. Stefanov, E. Ananiev, S., 192-196.
15. Pandev, S., Bulg. J. Plant Physiol., 1997, 23(3-4), 91-99
16. Todorov, D., G. Georgiev - In: Plant Metabolism Regulation, eds. E. Karanov, V. Alexieva, S., 1991, 22-25;
17. Yakimova, E., V. Kapchina - In: Plant Metabolism Regulation, eds. E. Karanov, V. Alexieva, S., 1991, 272-275;
18. Yakimova, E., V. Kapchina - In: Plant Metabolism Regulation, eds. E. Karanov, V. Alexieva, S., 1991, 276-279;
19. Якимова Е., В. Капчина - Физиология на растенията С., XVII, 1991, 4, 35-40;
20. Тодоров Д., - Кандидатска дисертация, С., 1993;
21. Якимова Е., В. Капчина, Г. Тунгаров, М. Ангелов – Растениевъдни науки, XXIV, 1992(1-2), 51-53.

(3) Alexieva, V, E. Karanov (1987) Growth retarding activity of mono- and dihydrazides of aliphatic dicarboxylic acid, Compt. Rend. Acad. Bulg. Sci., 40, 2, 87-90;

Times Cited: 4.

22. Flors V; Miralles C; Cerezo M; Gonzalez-Bosch C; Garcia-Agustin P, (2001) Effect of a novel chemical mixture on senescence processes and plant-fungus interaction in solanaceae plants , J. Agricult Food Chem, 49(5) 2569-2575
23. Капчина В., Е. Якимова, И. Димитрова (1990) - Физиология на растенията С., 8(2), 447-451

24. Тодоров, Д., Кандидатска дисертация, С., 1993.
25. Якимова, Е., Кандидатска дисертация, С., 1997.

(4) Ангелова, Й., Е. Карапанов, С. Еленска, С. Петкова, **В. Алексиева** (1988) Влияние на някои естери на алифатни дикарбоксилови киселини върху растежа на разсада, добива и качеството на тютюна, *Физиол. на раст.*, С., XIV, 4, 9-14;

Times Cited: 2.

26. Petkova, S., Y. Angelova, N. Karavaiko, 1992, *Plant Physiol.*, S., XVIII, 3, 3-7;
27. Todorov, D., E. Karanov, (1995) - *J. Plant Nutrition*, 18(1), 25-34.

(6) Karanov, E., G. Ts. Georgiev, **V. Alexieva**, S. Mavrodiev (1989) Derivatives of some aliphatic dicarboxylic acids: Their influence on vegetative growth of fruit trees, *Acta Hortic.*, 239, 1989, 243-248;

Times Cited: 2.

28. Jones, K., (1991), In: *Plant Metabolism Regulation*, eds. E. Karanov, **V. Alexieva**, S., 148-160
29. Willke T; Vorlop KD, Biotechnological production of itaconic acid , *APPLIED MICROBIOLOGY AND BIOTECHNOLOGY* 2001, Vol 56, Iss 3-4, pp 289-295

(7) Lachkova, V., **V. Alexieva**, E. Karanov, G. Petrov (1989) Growth regulating activity of some new N-substituted thioamidophenylmethane-phosphonates, *Compt. Rend. Acad. Bulg. Sci.*, 42(11), 87-90;

Times Cited: 1.

30. Али Хамза Хусеин, Кандидатска дисертация, "Синтез на нови физиологичноактивни съединения от карбамиден и фосфонамиден тип", С., Химически факултет на СУ, 1993

(15) Карапанов, Е., **В. Алексиева**, И. Сергиев (1992) Цитокининови антагонисти - химия и действие (обзор), *Физиол. на раст.*, С., XVIII, 1, 97-107

Times Cited: 3.

31. Kapchina-Toteva, V., M. Somleva, H. Van Telgen (2002) – *Biol. Plant.*, 45(2), 183-188
32. Сомлева, М., Кандидатска дисертация, С., 1997.
33. Сомлева, М. (1994) - *Физиол. на растенията.*, С., XX, 1-4, 108;

(16) **Alexieva, V.**, E. Karanov (1992) Effect of N1-(2-chloro-4-pyridyl)-N2-phenylurea (4-PU-30) on wheat yield, In: *Physiology and Biochemistry of Cytokinins in Plants*, eds. M. Kaminek, D.W.C. Mok, E. Zazimalova, The Hague, The Netherlands, SBS Acad. Publ., 249-254

Times Cited: 6.

34. Genkov, T., Y. Ivanova - *Bulg. J. Plant Physiol.*, 1995, XXI (1), 73-83.
 35. Ivanova, I., L. Iliev (1993), - *Biotechnol & Biotechnol Equip*, Ser. A, 7(1) 40-44;
 36. Shudo, K. - Chemistry of phenylurea cytokinins, In: *Cytokinins - Chemistry, Activity and Function*, eds. D.W.C. Mok, M. Mok, CRC Press, 1994, 35-42;
 37. Shudo, K., *J. Pharm. Soc. Jap.*, (Review), 114, 1994, 8, 577-588.
 38. Stefanov, B., L.Iliev, N. Popova - *J. Plant Growth Regul.*, 13:, 1994, 231-234.
39. Генков, Т. - Кандидатска дисертация, С., 1998.

(17) **Alexieva, V.**, I. Manolov, E. Karanov (1992) Plant-growth regulating activity of some derivatives of hydroquinone and coumarin, *Compt. Rend. Acad. Bulg. Sci.*, 45(7), 85-88.

Times Cited: 1.

40. Daud Hossain Md., Jung Li, Shirong Guo, Masayaki Fudjita (2008), Suppressive effects of Coumarins on pumpkin seedling growth and glutathione S-transferase. *Crop Sci. Biotechnol.*, 11(3) 187-192.

(20) Karanov, E., L. Iliev, G. Ts. Georgiev, M. Tsolova, **V. Alexieva**, I. Puneva (1992) Physiology and application of phenylurea cytokinins (Review), (Conference Information: 14th International Conf on Plant Growth Substances, Date: Jul 21-26, 1991 Amsterdam Netherlands) In: *Progress in Plant Growth Regulation*, Eds. C. Karssen, L. Van Loon, D. Vreugdenhil, Kluwer Acad. Publ., **13**, 842-851.

Times Cited: 12.

41. Cruz-Castillo JG, (Oct 1998) CPPU foliar sprays increase the growth of 'Red Caturra' coffee plants in the nursery, Hortscience Volume: 33 Issue: 6 Pages: 1079-1079
42. Feng Y, Shen D, Song W, (May 2006) Rice endophyte Pantoaea agglomerans YS19 promotes host plant growth and affects allocations of host photosynthates *J Appl Microbiology* **100**(5) 938-945.
43. Genkov, T., P. Tsoneva, I. Ivanova, J. Plant Growth Regul., 1997, 16, 169-172;
44. Genkov, T., Y. Ivanova - Bulg. J. Plant Physiol., 1995, XXI (1), 73-83.
45. Karavaiko NN; Selivankina SY; Kudryakova NV et al. (Nov 2004) Is a 67-kD cytokinin-binding protein from barley and *Arabidopsis thaliana* leaves involved in the leaf responses to phenylurea derivatives? (A review), Russian J Plant Physiol Volume: 51 Issue: 6 Pages: 790-797 DOI: 10.1023/B:RUPP.0000047828.61196.f5
46. Lazova G, Yonova P: Photosynthetic parameters were modified in wheat (*Triticum aestivum* L.) flag leaves by two phenylurea cytokinins: International Journal of Plant Sciences Volume: 171 Issue: 8 Pages: 809-817 Published: OCT 2010
47. Nedeva D, Petkova S, Angelova Y, et al.: (2005) The effect of plant growth regulators and chlorsulfuron on electrophoretic profiles of soluble proteins, polypeptides and antioxidant enzymes in maize seedlings: *Plant Soil and Environment* **51**(2) pp. 87-93
48. Rossi, V., F. Marani, A. Rabiti, *Acta Horticulturae*, 1995, 394, 263-267.
49. Russo VM (Jul 2003) Growth regulators do not increase onion bulb size or weight under greenhouse conditions, Hortscience Volume: 38 Issue: 4 Pages: 599-600
50. Shudo, K. - Chemistry of Phenylurea cytokinins, In: *Cytokinins - Chemistry, Activity and Function*, eds. D.W.C. Mok, M. Mok, CRC Press, 1994, 35-42;
51. Генков, Т. - Кандидатска дисертация, С., 1998.
52. Якимова, Е. - Кандидатска дисертация, С., 1997.

(21) Karanov, E., L. Iliev, **V. Alexieva** (1992) Phenylurea cytokinins - chemistry, physiology and application (Mini review) (Review), In: *Physiology and Biochemistry of Cytokinins in Plants*, eds. M. Kaminek, D.W.C. Mok, E. Zazimalova, The Hague, The Netherlands, SBS Acad. Publ., 199-204.

Times Cited: 7.

53. Dolchinkova, V., K. Georgieva, V. Kapchina-Toteva (2002) – Ann. Sofia Univ., 92-94(3), 81-87.
54. Genkov, T., Y. Ivanova - Bulg. J. Plant Physiol., 1995, XXI (1), 73-83.
55. Lewis, D. H., G. K. Burge, M. E. Hopping, P. E. Jameson, *Physiol. Plant.*, 1996, 98:187-195.
56. Shudo, K. - Chemistry of Phenylurea cytokinins, In: *Cytokinins - Chemistry, Activity and Function*, eds. D.W.C. Mok, M. Mok, CRC Press, 1994, 35-42;
57. Yu JQ; Li Y; Qian YR; Zhu ZJ, Changes of endogenous hormone level in pollinated and N-(2-chloropyridyl)-N'-phenylurea (CPPU)-induced parthenocarpic fruits of *Lagenaria leucantha*, *JOURNAL OF HORTICULTURAL SCIENCE & BIOTECHNOLOGY* 2001, Vol 76, Iss 2, pp 231-234
58. Yu JQ; Li Y; Qian YR; Zhu ZJ, Cell division and cell enlargement in fruit of *Lagenaria leucantha* as influenced by pollination and plant growth substances, *PLANT GROWTH REGULATION* 2001, Vol 33, Iss 2, pp 117-122
59. Генков, Т. - Кандидатска дисертация, С., 1998.

(22) Todorov, D., **V. Alexieva**, E. Karanov, D. Velichkov, V. Velikova (1992) Effect of some dicarboxylic acid monoesters on growth, chlorophyll content, chlorophyllase and peroxidase activity and gas exchange parameters of young maize plants, *J. Plant Growth Regul.*, **11**, 233-238;

Times Cited: 11.

60. Drazkiewicz, M., *Photosynthetica*, 1994, 30, 3, 321-331.
61. Flors V; Miralles C; Cerezo M; Gonzalez-Bosch C; Garcia-Agustin P, (2001) Effect of a novel chemical mixture on senescence processes and plant-fungus interaction in solanaceae plants , *J. Agricult Food Chem*, 49(5) 2569-2575
62. Flors, V., Miralles, C., González-Bosch, C., Carda, M., García-Agustín, P. (2003) Three novel synthetic amides of adipic acid protect *Capsicum annuum* plants against the necrotrophic pathogen *Alternaria solani*, *Physiological and Molecular Plant Pathology* 63 (3), pp. 151-158

63. Flors, V., Miralles, M.C., Varas, E., Company, P., González-Bosch, C., García-Agustín, P. (2004) Effect of analogues of plant growth regulators on in vitro growth of eukaryotic plant pathogens, *Plant Pathology* 53 (1), pp. 58-64
64. Flors, V., Miralles, M.C., González-Bosch, C., Carda, M., García-Agustín, P. (2003) Induction of protection against the necrotrophic pathogens Phytophthora citrophthora and Alternaria solani in *Lycopersicon esculentum* Mill. by a novel synthetic glycoside combined with amines, *Planta* 216 (6), pp. 929-938
65. Genkov, T., Tsoneva, P., Ivanova, I., (1997) Effect of cytokinins on photosynthetic pigments and chlorophyllase activity in in vitro cultures of axillary buds of *Dianthus caryophyllus* L., *Journal of Plant Growth Regulation* 16 (3), pp. 169-172
66. Gopi R, Sridharan R, Somasundaram R, Alagu lakshmanan GM, Panneer Selvam R (2005)– Growth and photosynthetic characteristics as affected by triazoles in *Amorphophallus campanulatus*. *Gen Appl Plant Physiology* 31(3-4): 171-180.
67. Hegedus A., Erdei S., Barnabas B., Horvath G., 1998 - Does Aluminium - stress impair the photosynthetic activity in wheat? In: Proc. of the XIth International Congress on Photosynthesis, Budapest, Hungary, August 17-22, 1998, ed. G. Garab, Kluwer Academic Publishers, 2701-2704.
68. Wang, T.-W., Lu, L., Zhang, C.-G., Taylor, C., Thompson, J.E. (2003) Pleiotropic effects of suppressing deoxyhypusine synthase expression in *Arabidopsis thaliana*, *Plant Molecular Biology* 52 (6), pp. 1223-1235
69. Генков, Т. - Кандидатска дисертация, С., 1998.
70. Якимова, Е. - Кандидатска дисертация, С., 1997.

(23) **Алексиева, В.** (1993) Физиологични и биохимични основи на антидотното действие на растежните регулатори спрямо хербициден стрес (обзор). *Физиология на растенията*, С., XIX, 1-4, 166-180.

Times Cited: 3.

71. Москова, И., Дисертация, С., 2010.
72. Тодорова, Д. (2002) – Дисертация, С.
73. Edreva, A., Polyamines in Plants (review) - Bulg. J. Plant Physiol., 1996, 22 (1-2), 73-101

(25) Karanov, E., **V. Alexieva**, E. Golovinsky, M. Haimova (1993) Cytokinin and anticytokinin activity of some 4-substituted 1H-pyrazoles and 8-aza analogues of adenine. *Plant Growth Regulation*, 13, 7-11.

Times Cited: 3.

74. Arata, Y., Nagasawa-Iida, A., Uneme, H., Nakajima, H., Kakimoto, T., Sato, R., (Dec 2010), The phenylquinazoline compound S-4893 is a non-competitive cytokinin antagonist that targets *Arabidopsis* cytokinin receptor CRE1 and promotes root growth in *Arabidopsis* and rice, *Plant and Cell Physiology*, Volume 51, Issue 12, Pages 2047-2059
75. De Klerk, G.J., Hanecakova, J., Jasik, J. (2001) The role of cytokinins in rooting of stem slices cut from apple microcuttings, *Plant Biosystems* 135 (1), pp. 79-84
76. Trifonova, A., D. Savova, K. Ivanova, In: Progress in temperate fruit breeding, Eds.: Schmidt, H., M. Kellerhals, 1994, 343-347.

(26) Sergiev, I., **V. Alexieva**, E. Karanov (1993) Cytokinin agonistic and antagonistic properties of sim-triazine and N-pyridylcarbamate derivatives. *Compt. Rend. Acad. Bulg. Sci.*, 46, 11, 89-92.

Times Cited: 2.

77. Сомлева, М., Кандидатска дисертация, С., 1997
78. Тодорова, Д. (2002) – Дисертация, С.

(28) Zheleva, D., **V. Alexieva**, E. Karanov (1993) Influence of atrazine on polyamine biosynthetic enzymes. *Compt. Rend. Acad. Bulg. Sci.*, 46, 10, 93-96.

Times Cited: 1.

79. Edreva, A., Polyamines in Plants (review) - Bulg. J. Plant Physiol., 1996, 22 (1-2), 73-101

(29) Zheleva, D., V. Alexieva, E. Karanov (1993) Influence of atrazine on free and bound polyamine levels in pea leaves. *J. Plant Physiol.*, 141, 281-285.

Times Cited: 2.

80. Atak C, Alikamanoglu S, Acik L, et al. (2004) – Induced of plastid mutations in soybean plant (*Glycine max* L. Merrill) with gamma radiation and determination with RAPD. *Mutation research – Fundamental and Molecular Mechanisms of Mutagenesis*, 556(1-2), 35-44.

81. Piquer A, Cortina M, Serna MD, et al. (2002) – Polyamines and hyperhydricity in micropaginated carnation plants: *Plant Sci.*, 162(5), 671-678.

(30) Alexieva, V. (1994) Chemical structure - plant growth regulating activity of some naturally occurring and synthetic aliphatic amines. *Compt. Rend. Acad. Bulg. Sci.*, 47(7), 79-82.

Times Cited: 2.

82. Atici, O., H. Ogutcu, O.F. Algur (2005) - *Symbiosis*, 38(2), 163-174.

83. Flors V; Miralles C; Cerezo M; Gonzalez-Bosch C; Garcia-Agustin P, (2001) Effect of a novel chemical mixture on senescence processes and plant-fungus interaction in solanaceae plants , *J. Agricult Food Chem*, 49(5) 2569-2575

(31) Alexieva, V. (1994) Effect of exogenous putrescine and its synthetic structural analogues on leaf senescence. *Compt. Rend. Acad. Bulg. Sci.*, 47, 9, 57-60.

Times Cited: 1.

84. Edreva, A., Polyamines in Plants (review) - *Bulg. J. Plant Physiol.*, 1996, 22 (1-2), 73-101

(32) Alexieva, V., Sergiev, I., Karanov, E., Golovinsky, E., Stanoeva, E., Haimova, M., Petrov, G. (1994) Anticytokinin activity of 4-substituted triazolo[4,5-D]pyrimidines and 4-substituted pyrazolo[3,4-D]pyrimidines, *Journal of Plant Growth Regulation* 13(3), 123-130.

Times Cited: 3.

85. ElAshry, E.S.H., Rashed, N. (1998) 1,2,3-Triazolo[x,y,z]pyrimidines, *Advances in Heterocyclic Chemistry*, ed. A. Katritzky, Acad. Press, vol. 71, pp. 57-114 (107)

86. Kapchina-Toteva, V., E. Kujumjieva-Kosseva, *Ann de l'Univ. de Sofia*, 1997, 88, 4, 207;

87. Сомлева, М., Дисертация, С., 1997;

(35) Alexieva, V., E. Karanov, R. Nikolova, A. Bojilova (1995) Plant growth regulating activity of some phosphorus derivatives of coumarin. *Bulg. J. of Plant Physiology*, 1, XXI, 45-51.

Times Cited: 1.

88. Daud Hossain Md., Jung Li, Shirong Guo, Masayaki Fudjita (2008), Suppressive effects of Coumarins on pumpkin seedling growth and glutathione S-transferase. *Crop Sci. Biotechnol.*, 11(3) 187-192.

(37) Sergiev, I., V. Alexieva, E. Karanov (Feb 1995) Cytokinin and anticytokinin effects on growth and free polyamine content in etiolated and green radish cotyledons. *J. Plant Physiol.*, 145(3), 266-270.

Times Cited: 11.

89. Alsokari, S.S., (Jan 2011) Synergistic effect of kinetin and spermine on some physiological aspects of seawater stressed *Vigna sinensis* plants, *Saudi Journal of Biological Sciences*, 18(1), pp. 37-44

90. Edreva, A., Polyamines in Plants (review) - *Bulg. J. Plant Physiol.*, 1996, 22 (1-2), 73-101;

91. Kapchina-Toteva, V., M. Somleva, HJ Van Telgen (2002) – *Biol. Plant*, 45(2), 183-188.

92. Kapchina-Toteva, V., E. Kujumjieva-Kosseva, *Ann de l'Univ. de Sofia*, 1997, 88, 4, 207;

93. Palavan-Unsal, N., S. Cag, E. Cetin (2002) – *Can. J. Plant Sci.*, 82(1), 191-194.

94. Rakova NY, Romanov GA (2005) Polyamines suppress manifestation of cytokinin primary effects *Russian J Plant Physiol* 52(1), 50-57.

95. Sobieszczuk-Nowicka, E., Rorat, T., Legocka, J. (2007) Polyamine metabolism and S-adenosylmethionine decarboxylase gene expression during the cytokinin-stimulated greening process; *Acta Physiologiae Plantarum* 29(6), 495-502.

96. Somleva, M., Van Telgen, H.J. (2002) Anticytokinin effect on apical dominance release in in vitro cultured Rosa hybrida L., *Biologia Plantarum* 45 (2), pp. 183-188
97. Тодорова, Д. (2002) – Дисертация, С.
98. Сомлева, М., Кандидатска дисертация, С., 1997;
99. Якимова, Е. - Кандидатска дисертация, С., 1997;

(38) Somleva, M.M., Kapchina, V., Alexieva, V., Golovinsky, E. (Mar 1995) Anticytokinin effects on *in vitro* responses of embryogenic and nonembryogenic genotypes of *Dactylis glomerata* L. *Plant Growth Regulation*, **16**(2), 109-112.

Times Cited: 6.

- 100.Armyanti, Kadir MA, Kadzimin S, et al. (May 2010), Plant regeneration of *Michelia champaca* L., through somatic embryogenesis: *African Journal of Biotechnology* **9**(18), 2640-2647.
- 101.De Clerk, G.J., Hanecakova, J., Jasik, J., (2001) The role of cytokinins in rooting of stem slices cut from apple microcuttings, *Plant Biosystems* 135 (1), pp. 79-84
- 102.Jimenez VM (Nov 2005) Involvement of plant hormones and plant growth regulators on in vitro somatic embryogenesis: - *Plant Growth Regulation* **47**(2-3), 91-110.
- 103.Jiménez, V.M., (2001) Regulation of in vitro somatic embryogenesis with emphasis on the role of endogenous hormones, *Revista Brasileira de Fisiologia Vegetal* **13**(2), pp. 196-223
- 104.Sáenz, L., Azpeitia, A., Oropeza, C., Jones, L.H., Fuchsova, K., Spichal, L., Strnad, M., (2010) Endogenous cytokinins in *Cocos nucifera* L. in vitro cultures obtained from plumular explants, *Plant Cell Reports*, **29**(11), pp. 1227-1234
- 105.Wongtiem, P., Courtois, D., Florin, B., Juchaux, M., Peltier, D., Broun, P., Ducos, J.P., (Feb 2011) Effects of cytokinins on secondary somatic embryogenesis of selected clone Rayong 9 of *Manihot esculenta* Crantz for ethanol production, *African Journal of Biotechnology* **10**(9) pp. 1600-1608

(42) 42. Yakimova, E., V. Kapchina-Toteva, V. Alexieva, I. Sergiev, E. Karanov (1996) Effect of chlorsulfuron (GLEAN-75) and sucrose on some post-harvest physiological events in cut flowers. Bulg. J. Plant Physiol., 22(3-4), 74-87.

Times Cited: 2.

- 106.Huang, K., L. Liao, R. Shen, W. Chen, Y. Lin (2002) – Australian J. Exp. Agric., **42**, 637-641.
- 107.Teixeira Da Silva, J.A. (2003) – Biotechnology Advances, **21**(8), 715-766.

(50) 50. Todorov, D., V. Alexieva, E. Karanov (1997) Growth, chlorophyll content and gas-exchange of young maize plants treated with polyamines. Compt. Rend. Acad. Bulg. Sci., **50**, 1, 77-80.

Times Cited: 1.

- 108.Vassileva, V., G. Georgiev (2002) – Physiol. Plant., **114**, 27-32.

(53) Todorov, D., V. Alexieva, E. Karanov (1998) Effect of putrescine, 4-PU-30 and ABA on maize plants grown under normal, drought and rewetting conditions. *J. Plant Growth Regul.*, **17**(4), 197-203.

Times Cited: 23.

- 109.Ai L, Li ZH, Xie ZX, et al. (Oct 2008) Coronatine alleviates polyethylene glycol-induced water stress in two rice (*Oryza sativa* L.) cultivars. *Journal of Agronomy and Crop Science* **194**(5), 360-368.
- 110.Cao DD, Hu J, Gao CH, et al. (2008) Chilling tolerance of maize (*Zea mays* L.) can be improved by seed soaking in putrescine: *SEED Science and Technology* **36**(1), 191-197.
- 111.Cloete KJ, Valentine AJ, Stander MA, et al. (May 2009) Evidence of Symbiosis Between the Soil Yeast *Cryptococcus laurentii* and a Sclerophyllous Medicinal Shrub, *Agathosma betulina* (Berg.) Pillans: *Microbial Ecology* **57**(4), 624-632.
- 112.Hideg, É., Nagy, T., Oberschall, A., Dudits, D., Vass, I. (2003) Detoxification function of aldose/aldehyde reductase during drought and ultraviolet-B (280-320 nm) stresses, *Plant, Cell and Environment* **26** (4), pp. 513-522
- 113.Islam, M.R., Hu, Y., Mao, S., Jia, P., Eneji, A.E., Xue, X., (March 2011) Effects of water-saving superabsorbent polymer on antioxidant enzyme activities and lipid peroxidation in corn (*Zea mays* L.) under drought stress, *Journal of the Science of Food and Agriculture*, **91**(5), pp. 813-819

114. Islam, M.R., Xue, X., Mao, S., Ren, C., Eneji, A.E., Hu, Y., (March 2011) Effects of water-saving superabsorbent polymer on antioxidant enzyme activities and lipid peroxidation in oat (*Avena sativa* L.) under drought stress, *Journal of the Science of Food and Agriculture*, **91**(4), pp. 680-686
115. Khalil, S.I., El-Monem, H.M.S., Hassanein, R.A., Mostafa, H.A., El-Khawas, S.A., Abd El-Monem, A.A. (2009). Antioxidant defense system in heat shocked wheat plants previously treated with arginine or putrescine. *Australian Journal of Basic and Applied Sciences*, **3**(3), 1517-1526.
116. Klein, J.D., Hebbe, Y. (2000) Tetcyclacis and abscisic acid differentially affect growth of wheat (*Triticum aestivum* L.) Seedlings isogenic for reduced-height genes, *Crop Science* **40** (6), pp. 1702-1705
117. Lu, S., Guo, Z., Peng, X. (2003) Effects of ABA and S-3307 on drought resistance and antioxidative enzyme activity of turfgrass, *Journal of Horticultural Science and Biotechnology* **78** (5), pp. 663-666
118. Mao, S., Islam, M.R., Hu, Y., Qian, X., Chen, F., Xue, X. (2011) Antioxidant enzyme activities and lipid peroxidation in corn (*Zea mays* L.) following soil application of superabsorbent polymer at different fertilizer regimes *African Journal of Biotechnology* **10**(49), pp. 10000-10008
119. Nassar, A.H., El-Tarabily, K.A., Sivasithamparam, K. (2003) Growth promotion of bean (*Phaseolus vulgaris* L.) by a polyamine-producing isolate of *Streptomyces griseoluteus*, *Plant Growth Regulation* **40** (2), pp. 97-106
120. Nayyar, H., Walia, D.P. (2004) Genotypic Variation in Wheat in Response to Water Stress and Abscisic Acid-Induced Accumulation of Osmolytes in Developing Grains, *Journal of Agronomy and Crop Science* **190** (1), pp. 39-45
121. Pospíšilová, J., Rulcová, J., Vomáčka, L. (2001) Effect of benzyladenine and hydroxybenzyladenosine on gas exchange of bean and sugar beet leaves, *Biologia Plantarum* **44** (4), pp. 523-528
122. Reyes-Becerril, M., Ascencio-Valle, F., Tovar-Ramírez, D., Meseguer, J., Esteban, M.T., (Jan 2011) Effects of polyamines on cellular innate immune response and the expression of immune-relevant genes in gilthead seabream leucocytes, *Fish and Shellfish Immunology*, **30**(1), pp. 248-254
123. Rulcová, J., Pospíšilová, J. (2001) Effect of benzylaminopurine on rehydration of bean plants after water stress, *Biologia Plantarum* **44** (1), pp. 75-81
124. Sethal S, Kondo S. (May 2009). Abscisic acid levels and anti-oxidant activity are affected by an inhibitor of cytochrome P450 in apple seedlings: *Journal of Horticultural Science & Biotechnology* **84**(3), 340-344.
125. Sorial, M.E., El-Gamal, S.M., Gendy, A.A. (2010) Response of sweet basil to jasmonic acid application in relation to different water supplies, *Bioscience Research* **7**(1), pp. 39-47
126. Stuchlikova K, Hejnak V, Safrankova I. (Dec 2007). The effect of abscisic acid and benzylaminopurine on photosynthesis and transpiration rates of maize (*Zea mays* L.) under water stress and subsequent rehydration: CE-REAL Research Communications **35**(4), 1593-1602.
127. Vlčková, A., Špundová, M., Kotabová, E., Novotný, R., Doležal, K., Nauš, J. (Feb 2006). Protective cytokinin action switches to damaging during senescence of detached wheat leaves in continuous light: *Physiologia Plantarum* **126**(2), 257-267.
128. Vomáčka, L., Pospíšilová, J. (2003) Rehydration of sugar beet plants after water stress: Effect of cytokinins, *Biologia Plantarum* **46** (1), pp. 57-62
129. Wang BQ, Li ZH, Eneji AE, et al. (Jul 2008). Effects of coronatine on growth, gas exchange traits, chlorophyll content, antioxidant enzymes and lipid peroxidation in maize (*Zea mays* L.) seedlings under simulated drought stress: *Plant Production Science* **11**(3), 283-290.
130. Yordanov, I., V. Velikova, T. Tsonev (2000) Plant responses to drought, acclimation, and stress tolerance, *Phosynthetica*, **38**(2), 171-186
131. Георгиев, Г. Ив. - В сб. "Постижения и перспективи на физиологията и биохимията на минералното хранене и водния режим на растенията в България", ред. Игнатов, Г., З. Стоянова, Л. Градинарски, т.1, С., 1999, 16-23.

(54) Van Arendonk, J., E. Karanov, V. Alexieva, H. Lambers (1998) Polyamine concentrations in four *Poa* species, differing in their maximum relative growth rate, grown with free access to nitrate and at limiting nitrate supply. *Plant Growth Regul.*, **24**, 77-89.

Times Cited: 4.

132. Braga, L.F., Sousa, M.P., Almeida, T.A., (2009) Enterolobium schomburgkii (Benth.) Benth. seed germination under saline stress and polyamine application | [Germinação de sementes de Enterolobium schomburgkii (Benth.) Benth. submetidas a estresse salino e aplicação de poliamina], *Revista Brasileira de Plantas Medicinais*, **11**(1), pp. 63-70
133. Brück, H., Jureit, C., Hermann, M., Schulz, A., Sattelmacher, B., (Jul 2001) Effects of water and nitrogen supply on water use efficiency and carbon isotope discrimination in edible canna (*Canna edulis* Ker-Gawler), *Plant Biology* **3** (4), pp. 326-334

- 134.Nishibori, N., Nishijima, T., Changes in polyamine levels during growth of a red-tide causing phytoplankton *Chattonella antiqua* (Raphidophyceae), European Journal of Phycology Volume 39, Issue 1, February 2004, Pages 51-55
135.Piquerias, A., Cortina, M., Serna, M.D., Casas, J.L, (2002) Polyamines and hyperhydricity in microp propagated carnation plants, Plant Science 162 (5), pp. 671-678

(56). Stoyanova, EZ; Karanov, EN; Alexieva, V. (Nov 1999) Subcellular aspects of the protective effect of spermine against atrazine in pea plants: - *Plant Growth Regulation* **29**(3), 175-180-
Times Cited: 8.

- 136.Beauchemkin R, Gauthier A, Harnois J, et al. (Jul 2007) Spen-nine and spermidine inhibition of photosystem II: Disassembly of the oxygen evolving complex and consequent perturbation in electron donation from Tyrz to P680(+) and the quinone acceptors Q(A)(-) to Q(B) *Biochimica et Biophysica Acta-Bioenergetics* **7**, 905-912.
137.Hamdan S, Gauthier A, Msilini N, et al.: (May 2011) Positive Charges of Polyamines Protect PSII in Isolated Thylakoid Membranes During Photoinhibitory Conditions: *Plant and Cell Physiology* **52**(5) Sp. Iss. Pp.866-873
138.Piquerias A., M. Cortina, MD Serna et al. (2002) – *Plant Sci.*, 162(5), 671-678.
139.Silverman FP, Petracek PD, Heiman DF, et al. (Dec 2005) Salicylate activity. 2. Potentiation of atrazine *J Agri-cult Food Chem* **25** 9769-9774.
140.Stoilkova, G. (, 2006) – PhD Thesis.

141.Василева В. (1999) – Дисертація, С., ИФР
142.Иванов, С. (2003) – Дисертація, С.
143.Радкова М. (2001) – Дисертація, ИГИ, Костинброд

(58) Sergiev, I., V. Alexieva, S. Yanev, E. Karanov (2000) Effect of atrazine and spermine on free proline content and some antioxidants in pea (*Pisum sativum* L.) plants, *Comp. Rend. Acad. Bulg. Sci.*, **53**, 10, 63-66.

Times Cited: 8.

- 144.Beker Akbulut, G., Yigit, E., (2010) The changes in some biochemical parameters in Zea mays cv. "Martha F1" treated with atrazine, *Ecotoxicology and Environmental Safety* **73**(6), 1429-1432.
145.Horvat, T., Vidaković-Cifrek, Ž., Oreščanin, V., Tkalec, M., Pevalek-Kozlina, B. (2007) Toxicity assessment of heavy metal mixtures by *Lemna minor* L. – *Science of the Total Environment*, **384**(1-3), 229-238.
146.Kapchina-Toteva, V., S. Slavov, R. Batchvarova, A. Krantev, D. Stefanov, A. Uzunova (2004) – *Bulg. J. Plant Physiol.*, 30(1-2), 103-111.
147.Lambrev, P., S. Ivanov, V. Goltsev (2003) – *Compt. Rend. Acad. Bulg. Sci.*, **56**(3), 59-62.
148.Miteva, L.P.-E., Ivanov, S.V. (2007) Alteration of ascorbate pool upon influence of oxidative stress inducing herbicides, *Comptes Rendus de L'Academie Bulgare des Sciences* **60**(8), 883-888.

149.Иванов, С. (2003) – Дисертація, С.
150.Митева, Л. (2005) – Дисертація, С.
151.Митева, Л. (2008) – Растениевъдни науки, **45**, 195-200 (Обзор).
152.Москова, И. (2010) – Дисертація, София.
153.Шопова Е. (2011) – Дисертація, С.

(59) Somleva M., V. Kapchina-Toteva, V. Alexieva, I. Sergiev, E. Karanov (May 2000) Novel physiological properties of two cytokinin antagonists, *J. Plant Physiol.*, **156**, 623-627. [IF=1.149].

Times Cited: 2.

- 154.Dimitrieva GY, Crawford RL, Yuksel GU (May 2006). The nature of plant growth-promoting effects of a pseudoaalderomonad associated with the marine algae *Laminaria japonica* and linked to catalase excretion: *Journal of Applied Microbiology* **100**(5), 1159-1169.
155.Taulavuori, E., Hellström, E.-K., Taulavuori, K., Laine, K. (2001) Comparison of two methods used to analyse lipid peroxidation from *Vaccinium myrtillus* (L.) during snow removal, reacclimation and cold acclimation, *Journal of Experimental Botany* **52** (365), pp. 2375-2380

(61) Stanoeva, E., S. Varbanov, **V. Alexieva**, I. Sergiev, V. Vassileva, M. Rashkova, A. Georgieva (2000) Synthesis and plant growth regulating activity of some novel tertiary phosphinoxides and esters of phosphoric acids containing triazolo- or pyrazolopyrimidine ring. *Phosphorus, Sulfur, and Silicon*, 165, 117-133.
Times Cited: 3.

156. Allen, D. W., J. C. Tebby (2003) – In: Organophosphorus Chemistry, Chapter 1 Phosphines and Phosphonium Salts, 1-67.
157. Romanenko, V.D., Shevchuk, M.V., Kukhar, V.P. (Aug 2011) Application of silicon-based methodologies for the synthesis of functionalized monoand bisphosphonic acids *Current Organic Chemistry* **15**(16), pp. 2774-2801
158. Terinek, M., Vasella, A. (2004) Improved Access to Imidazole-phosphonic Acids: Synthesis of D-manno-Tetrahydroimidazopyridine-2-phosphonates), *Helvetica Chimica Acta* **87** (3), pp. 719-734

(62) Todorov, D., **V. Alexieva**, E. Karanov (2000) Effect of some phenylamines on maize plants grown under drought induced by polyethylene glycol, *Comp. Rend. Acad. Bulg. Sci.*, **53**(4), 103-106.

Times Cited: 1.

159. Yordanov, I., V. Velikova, T. Tsonev (2000) Plant responses to drought, acclimation, and stress tolerance. *Photosynthetica* **38**(1), 171-186.

(63) Venkov, P; Topashka-Ancheva, M; Georgieva, M, E. Karanov, **V. Alexieva** (Nov 2000) Genotoxic effect of substituted phenoxyacetic acids: *Arch. Toxicol.* **74**(9), 560-566. [IF=1.601].

Times Cited: 12.

160. Arias, E. (2003) Sister chromatid exchange induction by the herbicide 2,4-dichlorophenoxyacetic acid in chick embryos, *Ecotoxicology and Environmental Safety* **55** (3), pp. 338-343
161. Aronzon, C.M., Sandoval, M.T., Herkovits, J., Pérez-Coll, C.S. (2011) Stage-dependent toxicity of 2,4-dichlorophenoxyacetic on the embryonic development of a South American toad, *Rhinella arenarum Environmental Toxicology* **26**(4), pp. 373-381
162. Bharadwaj, L., Dhami, K., Schneberger, D., Stevens, M., Renaud, C., Ali, A. (2005). Altered gene expression in human hepatoma HepG2 cells exposed to low-level 2,4-dichlorophenoxyacetic acid and potassium nitrate;; *Toxicology in Vitro* **19**(5), 603-619.
163. Bukowska B (2006). Toxicity of 2,4-dichlorophenoxyacetic acid - Molecular mechanisms: *Polish Journal of Environmental Studies* **15**(3), 365-374.
164. Duchnowicz, P., Koter, M. (2003) Damage to the erythrocyte membrane caused by chlorophenoxyacetic herbicides, *Cellular and Molecular Biology Letters* **8** (1), pp. 25-30
165. Duchnowicz, P., Koter, M., Duda, W. (2002) Damage of erythrocyte by phenoxyacetic herbicides and their metabolites, *Pesticide Biochemistry and Physiology* **74** (1), pp. 1-7
166. Estabrooks T, Browne R, Dong ZM (Feb 2007). 2,4,5-Trichlorophenoxyacetic acid promotes somatic embryogenesis in the rose cultivar 'Livin' Easy' (Rosa sp.) - *Plant Cell Reports* **26**(2), 153-160.
167. Estevam EC, Nakano E, Kawano, T., de Bragança Pereira, C.A., Amancio, F.F., de Albuquerque Melo, A.M.M. (Dec 2006). Dominant lethal effects of 2,4-D in Biomphalaria glabrata: *Mutation Research-Genetic Toxicology and Environmental Mutagenesis* **611**(1-2), 83-88.
168. Gardner M, Spruill-McCombs M, Beach J, et al. (Apr 2005). Quantification of 2,4-D on solid-phase exposure sampling media by LC-MS-MS: - *Journal of Analytical Toxicology* **29**(3), 188-192.
169. Horikoshi S, Miura T, Kajitani M, et al. (2008). Microwave discharge electrodeless lamps (MDEL). III. A novel tungsten-triggered MDEL device emitting VUV and UVC radiation for use in wastewater treatment: *Photochemical & Photobiological Sciences*, **7**(3), 303-310.
170. Kaymak F, Muranli FDG (2005). The cytogenetic effects of avenoxan on Allium cepa and its relation with pollen sterility: - *Acta Biologica Hungarica* **56**(3-4), 313-321.
171. Kim HJ, Park YI, Dong MS (Nov 2005). Effects of 2,4-D and DCP on the DHT-induced androgenic action in human prostate cancer cells: - *Toxicological Sciences* **88**(1), 52-59.

(66) Alexieva, V., I. Sergiev, S. Mapelli, E. Karanov (Dec 2001) The effect of drought and ultraviolet radiation on growth and stress markers in pea and wheat. *Plant, Cell and Environ.*, **24**, 1337-1344. [IF=3.613].
Times Cited: 170.

- 172.Agrawal SB, Rathore D. (Jan 2007) Changes in oxidative stress defense system in wheat (*Triticum aestivum L.*) and mung bean (*Vigna radiata L.*) cultivars grown with and without mineral nutrients and irradiated by supplemental ultraviolet-B: *Environmental and Experimental Botany* **59**(1), 21-33.
- 173.Agrawall, S., D. Rathore, A. Singh (2004) – Physiology & Molecular Biology of Plants, 10(1), 99-108.
- 174.Agrawall, S., D. Rathore, A. Singh (2004) – Tropical Ecology, 45(2), 315-325.
- 175.Agrawal SB, Singh S, Agrawal M. (2009); Ultraviolet-B Induced Changes in Gene Expression and Antioxidants in Plants. *Advances in Botanical Research: Oxidative Stress and REDOX Regulation IN Plants*, VOL 52 Book Series: Advances in Botanical Research **52**(C), 47-86 (Review).
- 176.Ali MB, Hahn EJ, Paek KY. (Mar 2007) Methyl jasmonate and salicylic acid induced oxidative stress and accumulation of phenolics in Panax ginseng bioreactor root suspension cultures: *Molecules* **12**(3), 607-621.
- 177.Ali MB, Hahn EJ, Paek KY. (Dec 2006) Protective role of Panax ginseng extract on lipid peroxidation and anti-oxidant status in polyethylene glycol induced *Spathiphyllum* leaves: *Biochemical Engineering Journal* **32**(3), 143-148.
- 178.Ali MB, Hahn EJ, Paek KY. (Oct 2006) Copper-induced changes in the growth, oxidative metabolism, and saponin production in suspension culture roots of Panax ginseng in bioreactors: *Plant Cell Reports* **25**(10), 1122-1132.
- 179.Ali MB, Thanh NT, Yu KW, et al. (Nov 2005) Induction in the antioxidative systems and lipid peroxidation in suspension culture roots of Panax ginseng induced by oxygen in bioreactors: *Plant Science* **169**(5), 833-841.
- 180.Ali, M., Yu, K., Hahn, EJ; Paek, KY (Jul 2005) Differential responses of anti-oxidants enzymes, lipoxygenase activity, ascorbate content and the production of saponins in tissue cultured root of mountain Panax ginseng C.A. Mayer and Panax quinquefolium L. in bioreactor subjected to methyl jasmonate stress, *Plant Science*, **169**(1), 83-92.
- 181.Bai T, Wang Y, Zhang XZ, et al. (Dec 2009); The effect of ultraviolet radiation on water-logging resistance in Tibetan peach. *African Journal of Biotechnology* **8**(23), 6596-6602.
- 182.Behnamnia M, Kalantari KM, Ziae J. (2009); The effects of brassinosteroid on the induction of biochemical changes in *Lycopersicon esculentum* under drought stress: *Turkish Journal of Botany* **33**(6), 417-428.
- 183.Behnamnia, M., Kh. M. Kalantari and F. Rezanejad (2009) – General and Applied Plant Physiology, **35**(1–2), 21-33.
- 184.Berli FJ, Moreno D, Piccoli P, Hespanhol-Viana, L; Silva, MF; Bressan-Smith, R; Cavagnaro, JB; Bottini, R (Jan 2010); Abscisic acid is involved in the response of grape (*Vitis vinifera L.*) cv. Malbec leaf tissues to ultraviolet-B radiation by enhancing ultraviolet-absorbing compounds, antioxidant enzymes and membrane sterols. *Plant Cell and Environment* **33**(1), 1-10.
- 185.Bhatt, D., Negi, M., Sharma, P., Saxena, S.C., Dobriyal, A.K., Arora, S. (2011) Responses to drought induced oxidative stress in five finger millet varieties differing in their geographical distribution *Physiology and Molecular Biology of Plants* **17**(4), pp. 347-353.
- 186.Böhm, F.M.L.Z, de Ferrarese, M.L.L., Zanardo, D.I.L., Magalhaes, J.R., Ferrarese-Filho, O.: Nitric oxide affecting root growth, lignification and related enzymes in soybean seedlings: *Acta Physiologiae Plantarum* **32** (6), 2010: pp. 1039-1046
- 187.Buendia B, Allende A, Nicolas E, et al. (May 2008) Effect of regulated deficit irrigation and crop load on the antioxidant compounds of peaches: *Journal of Agricultural and Food Chemistry* **56**(10), 3601-3608.
- 188.Calderini DF, Lizana XC, Hess S, Jobet, CR; Zuniga, JA (Feb 2008) Grain yield and quality of wheat under increased ultraviolet radiation (UV-B) at later stages of the crop cycle: *Journal of Agricultural Science* **146**, 57-64 Part: Part 1.
- 189.Carrasco-Ríos, L. (2009). Effect of ultraviolet-B radiation in plants. *Idesia*, **27**(3), 59-76.
- 190.Carvajal, F., Martinez, C., Jamilena, M., Garrido, D. (2011) Differential response of zucchini varieties to low storage temperature *Scientia Horticulturae* **130**(1), pp. 90-96
- 191.Carvalho, R.F., Piotto, F.A., Schmidt, D., Peters, L.P., Monteiro, C.C., Azevedo, R.A. (2011) Seed priming with hormones does not alleviate induced oxidative stress in maize seedlings subjected to salt stress *Scientia Agricola* **68** (5), pp. 598-602.
- 192.Cechin I, Corniani N, Fumis TD, Cataneo, AC (Jul 2008) Ultraviolet-B and water stress effects on growth, gas exchange and oxidative stress in sunflower plants: *Radiation and Environmental Biophysics* **47**(3), 405-413.

- 193.Chakrabarty D, Chatterjee J, Datta SK. (Nov 2007) Oxidative stress and antioxidant activity as the basis of senescence in chrysanthemum florets: *Plant Growth Regulation* **53**(2), 107-115.
- 194.Chakrabarty D, Datta SK. (May 2008) Micropropagation of gerbera: lipid peroxidation and antioxidant enzyme activities during acclimatization process: *Acta Physiologiae Plantarum* **30**(3), 325-331.
- 195.Chakrabarty D, Park SY, Ali MB, et al. (Mar 2006) Hyperhydricity in apple: ultrastructural and physiological aspects: *Tree Physiology* **26**(3), 377-388.
- 196.Chalker-Scott, L., J. Scott (Feb 2004) Elevated ultraviolet-B radiation induces cross-protection to cold in leaves of Rhododendron under field conditions, *Photochemistry and Photobiology*, 79(2), 199-204.
- 197.Demirevska-Kepova, K., L. Simova-Stoilova, Z. Stoyanova, R. Hölzer, U. Feller (2004) Biochemical changes in barley plants after excessive supply of copper and manganese, *Environ. Exp. Bot.*, 52(3), 253-266.
- 198.Ding, L., Charles, M.T., Carisse, O., Tsao, R., Dubé, C., Khanizadeh, S.: Changes in ascorbate-glutathione pathway enzymes in response to Mycosphaerella fragariae infection in selected strawberry genotypes: *Archives of Phytopathology and Plant Protection* **44** (8), 2011: pp. 712-725
- 199.Dombrowski, J. (Aug 2003) Salt stress activation of wound-related genes in tomato plants, *Plant Physiology*, 132(4), 2098-2107.
- 200.Doupis, G., Chartzoulakis, K., Beis, A., Patakas, A. (2011) Allometric and biochemical responses of grapevines subjected to drought and enhanced ultraviolet-B radiation, *Australian Journal of Grape and Wine Research* 17(1); pp. 36-42
- 201.Du, H., Liang, Y., Pei, K., Ma, K. (Feb 2011) UV radiation-responsive proteins in rice leaves: A proteomic analysis: *Plant and Cell Physiology* **52** (2),: 306-316
- 202.Duan W, Fan PG, Wang LJ, et al. (Jan 2008) Photosynthetic response to low sink demand after fruit removal in relation to photoinhibition and photoprotection in peach trees: *Tree Physiology* **28**(1), 123-132.
- 203.Duan BL, Xuan ZY, Zhang XL, et al. (Oct 2008) Interactions between drought, ABA application and supplemental UV-B in Populus yunnanensis. *Physiologia Plantarum* **134**(2), 257-269.
- 204.Farooq M., A. Wahid, N. Kobayashi, D. Fujita, S. M. A. Basra (2009) – In: Sustainable Agriculture, Eds.: Debaeke Ph., V. Souchere, C. Alberola, Springer Science+Bussines Media, 153-190 (Book).
- 205.Farooq M, Wahid A, Kobayashi N, Fujita, D; Basra, SMA (Jan-Mar 2009) Plant drought stress: effects, mechanisms and management: *Agronomy for Sustainable Development* **29**(1), 185-212. (Review).
- 206.Fedina, I., I. Grigorova, K. Georgieva (2003) Response of barley seedlings to UV-B radiation as affected by NaCl, *J. Plant Physiology*, 160(2), 205-208.
- 207.Fedina, I., K. Georgieva, I. Grigorova (2003) Response of barley seedlings to UV-B radiation as affected by proline and NaCl, *Biol. Plant.*, 47(4), 549-554.
- 208.Fernandez-Orozco, R., Li, L., Harflett, C., Shewry, P.R., Ward, J.L.: Effects of environment and genotype on phenolic acids in wheat in the HEALTHGRAIN diversity screen: *Journal of Agricultural and Food Chemistry* **58** (17), 2010: pp. 9341-9352
- 209.Fortunato AS, Lidon FC, Batista-Santos P, et al. (2010); Biochemical and molecular characterization of the anti-oxidative system of Coffea sp under cold conditions in genotypes with contrasting tolerance. *Journal of Plant Physiology* **167**(5), 333-342.
- 210.Fu, X.-J., Maimaiti, A.S., Mou, H.-M., Yang, Q., Liu, G.-J. (2011) Hexanoic acid 2-(diethylamino)ethyl ester enhances chilling tolerance in strawberry seedlings by impact on photosynthesis and antioxidants *Biologia Plantarum* **55**(4), pp. 793-796
- 211.Gao, Q.-H., Wu, P.-T., Liu, J.-R., Wu, C.-S., Parry, J.W., Wang, M. (2011) Physico-chemical properties and antioxidant capacity of different jujube (*Ziziphus jujuba* Mill.) cultivars grown in loess plateau of China *Scientia Horticulturae* **130**(1), pp. 67-72
- 212.Giannakoula A, Moustakas M, Syros T, et al. (Jan 2010); Aluminum stress induces up-regulation of an efficient antioxidant system in the Al-tolerant maize line but not in the Al-sensitive line. *Environmental and Experimental Botany* **67**(3), 487-494.
- 213.Giordano, C., A. Galatro, S. Puntarulo, C. Ballare (2004) The inhibitory effects of UV-B radiation (280-315 nm) on *Gunnera magellanica* growth correlate with increased DNA damage but not with oxidative damage to lipids, *Plant Cell & Environment*, 27(11), 1415-1423.
- 214.Guidi, L., Degl'Innocenti, E., Remorini, D., Biricolti, S., Fini, A., Ferrini, F., Nicese, F.P., Tattini, M.: The impact of UV-radiation on the physiology and biochemistry of *Ligustrum vulgare* exposed to different visible-light irradiance: *Environmental and Experimental Botany* **70** (2-3), 2011: pp. 88-95
- 215.Gould, K. (2004) Nature's Swiss army knife: The diverse protective roles of anthocyanins in leaves, *Journal of Biomedicine & Biotechnology*, 2004(5), 314-320 (Review).
- 216.Gould KS: Muriel Wheldale Onslow and the Rediscovery of Anthocyanin Function in Plants: Conference Information: 24th International Conference on Polyphenols, JUL 08-11, 2008 Univ Salamanca, Salamanca,

SPAINSource: RECENT ADVANCES IN POLYPHENOL RESEARCH, VOL 2 Book Series: Recent Advances in Polyphenol Research Pages: 206-225 Published: 2010

- 217.Gunes, A., Pilbeam, D.J., Inal, A., Bagci, E.G., Coban, S. (2007) Influence of silicon on antioxidant mechanisms and lipid peroxidation in chickpea (*Cicer arietinum* L.) cultivars under drought stress; *Journal of Plant Interactions* **2**(2), 105-113.
- 218.Guo, C., Gao, Y., Li, W., Yu, D.: (2010) Antioxidant responses of transplastomic tobacco plants with chloroplast ω -3 desaturase gene under low temperature stress: 4th International Conference on Bioinformatics and Biomedical Engineering, iCBBE 2010 , art. no. 5515787
- 219.Han C, Liu Q, Yang Y. (Jun 2009); Short-term effects of experimental warming and enhanced ultraviolet-B radiation on photosynthesis and antioxidant defense of *Picea asperata* seedlings: *Plant Growth Regulation* **58**(2), 153-162.
- 220.He, L., Jia, X., Gao, Z., Li, R.: Genotype-dependent responses of wheat (*Triticum aestivum* L.) seedlings to drought, UV-B radiation and their combined stresses: *African Journal of Biotechnology* 10 (20), 2011: pp. 4046-4056
- 221.Heimler D, Isolani L, Vignolini P, et al. (Jun 2009); Polyphenol content and antiradical activity of *Cichorium intybus* L. from biodynamic and conventional farming. *Food Chemistry* **114**(3), 765-770.
- 222.Hossain Md Alamgir; Ashrafuzzaman Md; Ismail Mohd Razi (2010) Salinity triggers proline synthesis in peanut leaves *Maejo International Journal of Science and Technology* **5**(1) pp. 159-168
- 223.Hussain M, Malik MA, Farooq M, et al. (Apr 2009); Exogenous Glycinebetaine and Salicylic Acid Application Improves Water Relations, Allometry and Quality of Hybrid Sunflower under Water Deficit Conditions: *Journal of Agronomy and Crop Science* **195**(2), 98-109.
- 224.Johkan, M., Shoji, K., Goto, F., Hashida, S., Yoshihara, T.: Blue light-emitting diode light irradiation of seedlings improves seedling quality and growth after transplanting in red leaf lettuce: *HortScience* 45 (12), 2010: pp. 1809-1814:
- 225.Joshi, P.K., Saxena, S.C., Arora, S.:Characterization of *Brassica juncea* antioxidant potential under salinity stress: *Acta Physiologiae Plantarum* **33**(3), 2011: pp. 811-822
- 226.Kakani, V., K. Reddy, D. Zhao, K. Sailaja (Dec 2003) Field crop responses to ultraviolet-B radiation: a review, *Agricultural and Forest Meteorology*, 120(1-4), 191-218 (Review).
- 227.Kataria, S., Guruprasad, K.N. (2012) Solar UV-B and UV-A/B exclusion effects on intraspecific variations in crop growth and yield of wheat varieties, *Field Crops Research* 125 , pp. 8-13
- 228.Katerova Z, Shopova E, Brankova L, et al. (2008) Alterations in antioxidant enzymes of pea plants in response to prolonged influence of short pulses of ultraviolet-C radiations: *Comptes rendus de l'academie Bulgare des Sciences* **61**(3), 335-340.
- 229.Katerova, Z., Todorova, D. (2011) Effect of enhanced UV-C irradiation on the growth, malondialdehyde, hydrogen peroxide, free proline, polyamines, IAA and IAA-oxidase activity in pea plants (*Pisum sativum* L.), *Comptes Rendus de L'Academie Bulgare des Sciences* 64(11) , pp. 1555-1562
- 230.Katerova ZI, Todorova D. (Mar 2009) Endogenous polyamines lessen membrane damages in pea plants provoked by enhanced ultraviolet-C radiation: *Plant Growth Regulation* **57**(2), 145-152.
- 231.Katerova Z. (2010) – *General and Applied Plant Physiology*, **35**(3-4), 134-139.
- 232.Keramat B, Kalantari KM, Arvin MJ. (May 2009); Effects of methyl jasmonate in regulating cadmium induced oxidative stress in soybean plant (*Glycine max* L.): *African Journal of Microbiology Research* **3**(5), 240-244.
- 233.Khatun S, Ali MB, Hahn EJ, et al. (Dec 2008) Copper toxicity in *Withania somnifera*: Growth and antioxidant enzymes responses of in vitro grown plants: *Environmental and Experimental Botany* **64**(3), 279-285.
- 234.Kim JS, Shim IS, Kim MJ (Jun 2010) Physiological Response of Chinese Cabbage to Salt Stress: KOREAN Journal of Horticultural Science & Technology Volume: 28 Issue: 3 Pages: 343-352
- 235.Kocheva K., T. Kartseva, S. Landjeva, G. Georgiev (2010) – *General and Applied Plant Physiology*, **35**(3-4), 127-133.
- 236.Kocheva KV, Kartseva T, Landjeva S, et al. (Jun 2009); Physiological Response of Wheat Seedlings to Mild and Severe Osmotic Stress: *CEREAL Research Communications* **37**(2), 199-208.
- 237.Krezhova D, Iliev I, Yanev T, Kirova, E, (2009) Assessment of the effect of salinity on the early growth stage of soybean plants (*Glycine max* L.): Conference Information: 4th International Conference on Recent Advances in Space Technologies, Jun 11-13, 2009 Istanbul, TURKEY. RAST 2009: Proceedings of 4th International Conference on Recent Advances Space Technologies, art. no. 5158233, 397-402.
- 238.Krezhova, D., Kirova, E. (2011) Hyperspectral remote sensing of the impact of environmental stresses on nitrogen fixing soybean plants (*Glycine max* L.) RAST 2011 - Proceedings of 5th International Conference on Recent Advances in Space Technologies , art. no. 5966816, pp. 172-177

- 239.Krezhova, D.D., Kirova, E.B., Yanev, T.K., Iliev, I.T (2009); Effects of salinity on leaf spectral reflectance and biochemical parameters of nitrogen fixing soybean plants (*Glycine max L.*). Proceedings of 7th International Conference of the Balkan Physical Union Vols 1 and 2, 1203, 694-699.
- 240.Kubis J, Rybus-Zajac M. (2008) Drought and excess UV-B irradiation differentially alter the antioxidant system in cucumber leaves: *Acta Biologica Cracoviensis, series Botanica* **50**(2), 35-41.
- 241.Kültz D. (2005) Molecular and evolutionary basis of the cellular stress response: *Annual Review of Physiology* **67**, 225-257. (Review).
- 242.Lambreva M, Christov K, Tsonev T. (Dec 2006) Short-term effect of elevated CO₂ concentration and high irradiance on the antioxidant enzymes in bean plants: *Biologia Plantarum* **50**(4), 617-623.
- 243.Landjeva S, Korzun V, Stoimenova E, Truberg, B; Ganeva, G; Borner, A, (Jun 2008) The contribution of the gibberellin-insensitive semi-dwarfing (Rht) genes to genetic variation in wheat seedling growth in response to osmotic stress: *Journal of Agricultural Science* **146**(3), 275-286.
- 244.Le Martret, B; Poage, M; Shiel, K; Nugent, GD; Dix, PJ, (Aug 2011) Tobacco chloroplast transformants expressing genes encoding dehydroascorbate reductase, glutathione reductase, and glutathione-S-transferase, exhibit altered anti-oxidant metabolism and improved abiotic stress tolerance, *Plant Biotechnology Journal*, 9(6) 661-673
- 245.Li FR, Peng SL, Chen BM, et al. (Jan-Feb 2010): A meta-analysis of the responses of woody and herbaceous plants to elevated ultraviolet-B radiation. *Acta Oecologica-International Journal of Ecology* **36**(1), 1-9.
- 246.Li LX, Zhao JQ, Tang XX (2010);Ultraviolet irradiation induced oxidative stress and response of antioxidant system in an intertidal macroalgae *Corallina officinalis L.*. *Journal of Environmental Sciences-China* **22**(5), 716-722.
- 247.Lila MA. (Dec 2006) The nature-versus-nurture debate on bioactive phytochemicals: the genorne versus terroir: *Journal of THE Science of Food and Agriculture* **86**(15), 2510-2515. (Review).
- 248.Lin, C., Su, Y., Takahiro, M., Fugetsu, B. (2010) Multi-walled carbon nanotubes induce oxidative stress and vacuolar structure changes to arabidopsis T87 suspension cells *Nano Biomedicine* **2**(2), pp. 170-181
- 249.Lindsay DG (Dec 2005). Nutrition, hormetic stress and health: *Nutrition Research Reviews* 18(2), 249-258. (Review).
- 250.Liu, T.-W., Fu, B., Niu, L., Chen, J., Wang, W.-H., He, J.-X., Pei, Z.-M., Zheng, H.-L.: (May 2011) Comparative proteomic analysis of proteins in response to simulated acid rain in Arabidopsis: *Journal of Proteome Research* **10**(5), 2579-2589
- 251.Lizana, X.C., Hess, S., Calderini, D.F. (2009) Crop phenology modifies wheat responses to increased UV-B radiation: – *Agricultural and Forest Meteorology*, **149**(11), 1964-1974.
- 252.Lokhande, V.H., Srivastava, A.K., Srivastava, S., Nikam, T.D., Suprasanna, P. (2011) Regulated alterations in redox and energetic status are the key mediators of salinity tolerance in the halophyte *Sesuvium portulacastrum* (L.) L *Plant Growth Regulation* **65**(2), pp. 287-298
- 253.Lu YW, Duan BL, Li CY. (Jul 2007) Physiological responses to drought and enhanced UV-B radiation in two contrasting *Picea asperata* populations: *Canadian Journal of forest Research-Revue Canadienne de Recherche forestiere* **37**(7), 1253-1262.
- 254.Lu YW, Duan BL, Zhang XL, Korpelainen, H; Li, CY, (Apr 2009); Differences in growth and physiological traits of *Populus cathayana* populations as affected by enhanced UV-B radiation and exogenous ABA. *Environmental and Experimental Botany* **66**(1), 100-109.
- 255.Lu YW, Duan BL, Zhang XL, Korpelainen, H; Berninger, F; Li, CY, (Sep 2009); Intraspecific variation in drought response of *Populus cathayana* grown under ambient and enhanced UV-B radiation. *Annals of Forest Science* **66**(6) 613p1-613p12 Article Number: 613.
- 256.Lucca Z. B. F. M.; Lucio F. M. L.; Lucca Z.D.I.; et al. (Nov 2010) Nitric oxide affecting root growth, lignification and related enzymes in soybean seedlings *Acta Physiologiae Plantarum* **32**(6) pp. 1039-1046
- 257.Luis JC, Martin R, Frias I, Valdes, F, (Oct 2007) Enhanced carnosic acid levels in two rosemary accessions exposed to cold stress conditions *Journal of Agricultural and Food Chemistry* **55**(20), 8062-8066.
- 258.Mabrouk, Y., Simier, P., Delavault, P., Delgrange, S., Sifi, B., Zourgui, L., Belhadj, O. (2007) – *Weed Research* **47**(5), 452-460.
- 259.Mafakheri, A., Siosemardeh, A., Bahramnejad, B., Struik, P.C., Sohrabi, E. (Oct 2010) Effect of drought stress on yield, proline and chlorophyll contents in three chickpea cultivars: *Australian Journal of Crop Science* **4** (8), pp. 580-585:
- 260.Magyar-Tábori, K., Mendler-Drienyowszki, N., Dobránszki, J. (2011) Models and tools for studying drought stress responses in peas, *OMICS A Journal of Integrative Biology* **15** (12) , pp. 829-838

261. Malinowski, D.P., Pitta, D.W., Pinchak, W.E., Min, B.R., Emendack, Y.Y. (2011) Effect of nitrogen fertilisation on diurnal phenolic concentration and foam strength in forage of hard red wheat (*Triticum aestivum* L.) cv. *Cutter Crop and Pasture Science* **62**(8), pp. 656-665
262. Manetas Y. (2006) Why some leaves are anthocyanic and why most anthocyanic leaves are red?: *Flora: Morphology, Distribution, Functional Ecology of Plants* **201**(3), 163-177. (Review).
263. Milchunas, D., J. King, A. Mosier, J. Moore, J. Morgan, M. Quirk, J. Slusser (2004) UV radiation effects on plant growth and forage quality in a shortgrass steppe Ecosystem, *Photochemistry and Photobiology*, **79**(5), 404-410.
264. Mishra, S., Singh, S., Sharma, R.K., Agrawal, S.B. 2010: The interactive effect of heavy metals and UV-B radiation on two cucumber cultivars | [iki salatali {dotless}k kültür çeşidinde UV-B radyasyon ve a□i {dotless}r metallerin interaktif etkisi]: *Turkish Journal of Biology* **34** (4), pp. 367-378
265. Misra, P., Purshottam, D.K., Siddiqui, S., Jain, M.B., Toppo, D.D (Sep 2010) A Comparative study of in vitro regeneration of shoots in different cultivars of gerbera jamesonii H. Bolus ex Hook. f. : Propagation of Ornamental Plants **10** (3), pp. 156-162;
266. Misra, P., Toppo, D.D., Gupta, N., Chakrabarty, D., Tuli, R.:Effect of antioxidants and associate changes in antioxidant enzymes in controlling browning and necrosis of proliferating shoots of elite *Jatropha curcas* L: *Biomass and Bioenergy* **34** (12), 2010: pp. 1861-1869
267. Mohammad, B.A, Yu KW, Hahn EJ, et al. (Jul 2005) Differential responses of anti-oxidants enzymes, lipoxygenase activity, ascorbate content and the production of saponins in tissue cultured root of mountain Panax ginseng C.A. Mayer and Panax quinquefolium L. in bioreactor subjected to methyl jasmonate stress: *Plant Science* **169**(1), 83-92.
268. Monteiro, C.C., Carvalho, R.F., Gratão, P.L., Carvalho, G., Tezotto, T., Medici, L.O., Peres, L.E.P., Azevedo, R.A., (June 2011) Biochemical responses of the ethylene-insensitive Never ripe tomato mutant subjected to cadmium and sodium stresses, *Environmental and Experimental Botany*, Volume 71, Issue 2, , Pages 306-320
269. Moore, J., Liu, J.-G., Zhou, K., Yu, L. (2006) Effects of genotype and environment on the antioxidant properties of hard winter wheat bran; *Journal of Agricultural and Food Chemistry* **54**(15), 5313-5322.
270. Nair, J.S., Ramaswamy, N.K. (2006) Differential response of antioxidant enzymes in wheat (*Triticum aestivum* L.) under PEG-induced water stress; *Physiology and Molecular Biology of Plants* **12**(1), 95-99.
271. Nasibi F, Kalantari KM (Sep 2009); Influence of nitric oxide in protection of tomato seedling against oxidative stress induced by osmotic stress: *Acta Physiologiae Plantarum* **31**(5), 1037-1044.
272. Neves, G.Y.S., Marchiosi, R., Ferrarese, M.L.L., Siqueira-Saques, R.C., Ferrarese-Filho, O. (Dec 2010) Root Growth Inhibition and Lignification Induced by Salt Stress in Soybean: *Journal of Agronomy and Crop Science* **196**(6), 467-473:
273. Piotrowska, A., Bajguz, A., Godlewska-Zyłkiewicz, B., Zambrzycka, E. (2010) Changes in growth, biochemical components, and antioxidant activity in aquatic plant *wolffia arrhiza* (Lemnaceae) exposed to cadmium and lead. *Archives of Environmental Contamination and Toxicology*, **58** (3), 594-604.
274. Porter, M.A., Bidlack, J.E. (2011) Morphology, biomass, and vessel diameter of pigeon pea subjected to water stress *Communications in Soil Science and Plant Analysis* **42**(19), pp. 2334-2343
275. Poulsen ME, Boeger MRT, Donahue RA. (Oct 2006) Response of photosynthesis to high light and drought for *Arabidopsis thaliana* grown under a UV-B enhanced light regime: *Photosynthesis Research* **90**(1), 79-90.
276. Qiu, Z., Li, J., Zhang, Y., Bi, Z., Wei, H. (May 2011) Microwave pretreatment can enhance tolerance of wheat seedlings to CdCl₂ stress: *Ecotoxicology and Environmental Safety* **74** (4),: pp. 820-825
277. Rahmatzadeh, S., Khara, J. (2007) Influence of ultraviolet-C radiation on some growth parameters of mycorrhizal wheat plants; *Pakistan Journal of Biological Sciences* **10**(23), 4275-4278.
278. Rai, R., Meena, R.P., Smita, S.S., Shukla, A., Rai, S.K., Pandey-Rai, S. (2011) UV-B and UV-C pre-treatments induce physiological changes and artemisinin biosynthesis in *Artemisia annua* L. - An antimalarial *plant Journal of Photochemistry and Photobiology B: Biology* **105**(3), pp. 216-225
279. Reddy, K., S. Koti, D. Zhao, V. Kakany, W. Gao (2003) Interactive effects of atmospheric carbon dioxide and ultraviolet-B radiation on cotton growth and physiology, Proc. of SPIE – The International Society for Optical Engineering, Ultraviolet ground- and space-based measurements, models and effects III, 5156, 262-272.
280. Ren J, Dai WR, Xuan ZY, Yao, YN; Korpelainen, H; Li, CY, (Feb 2007) The effect of drought and enhanced UV-B radiation on the growth and physiological traits of two contrasting poplar species: *Forest Ecology and Management* **239**(1-3), 112-119.
281. Saladin, G., C. Magne, C. Clement (Oct 2003) Stress reactions in *Vitis vinifera* L. following soil application of the herbicide flumioxazin, *Chemosphere*, **53**(3), 199-206.
282. Saladin, G., C. Magne, C. Clement (2003) Physiological stress responses of *Vitis vinifera* L. to the fungicides fludioxonil and pyrimethanil, *Pestic. Biochem. Physiol.*, **77**(3), 125-137.

- 283.Sangtarash MH, Qaderi MM, Chinnappa CC, et al. (May 2009); Differential sensitivity of canola (*Brassica napus*) seedlings to ultraviolet-B radiation, water stress and abscisic acid: *Environmental and Experimental Botany* **66**(2), 212-219.
- 284.Santos ES, Abreu MM, Nabais C, Saraiva, JA, (Oct 2009); Trace elements and activity of antioxidative enzymes in *Cistus ladanifer* L. growing on an abandoned mine area. *Ecotoxicology* **18**(7), 860-868.
- 285.Saxena, S.C., Joshi, P.K., Grimm, B., Arora, S. (2011) Alleviation of ultraviolet-C-induced oxidative damage through overexpression of cytosolic ascorbate peroxidase *Biologia* **66**(6), pp. 1052-1059
- 286.Seghatoleslami MJ, Sepasi S (2010) Effect of drought stress at different growth stages on pigments, prolin and seed protein of wheat and triticale: Conference Information: 2010 International Conference on Agricultural and Animal Science, FEB 26-28, 2010 Singapore, SINGAPORESource: Proceedings of 2010 International Conference on Agricultural and Animal Science, pp. 266-269
- 287.Shanthi, N., Kulandaivelu, G. (2009); Combined effect of UV-B radiation (280-320nm) and water stress on red gram. *Ecology, Environment and Conservation*, **15**(4), 811-815.
- 288.Shen, X., Zhou, Y., Duan, L., Li, Z., Eneji, A.E., Li, J. (2010) Silicon effects on photosynthesis and antioxidant parameters of soybean seedlings under drought and ultraviolet-B radiation: *Journal of Plant Physiology* **167** (15), pp. 1248-1252
- 289.Shoael, A.M., Ali, M.B., Yu, K.-W., Hahn, E.-J., Paek, K.-Y. (May 2006) Effect of temperature on secondary metabolites production and antioxidant enzyme activities in *Eleutherococcus senticosus* somatic embryos: *Plant Cell Tissue and Organ Culture* **85**(2), 219-228.
- 290.Shoael, A.M., Ali, M.B., Yu, K.W., Hahn, E.J., Islam, R., Paek, K.Y. (May 2006) Effect of light on oxidative stress, secondary metabolites and induction of antioxidant enzymes in *Eleutherococcus senticosus* somatic embryos in bioreactor: *Process Biochemistry* **41**(5), 1179-1185.
- 291.Simova-Stoilova LP, Demirevska-Kepova KN, Stoyanova ZP. (2005) Antioxidative protection in the leaves of dark-senescing intact barley seedlings: *Acta Physiologae Plantarum* **27**(3B), 349-356.
- 292.Singh, R., Singh, S., Tripathi, R., Agrawal, S.B. (Mar 2011) Supplemental UV-B radiation induced changes in growth, pigments and antioxidant pool of bean (*Dolichos lablab*) under field conditions: *Journal of Environmental Biology* **32** (2), pp. 139-145
- 293.Song, S.-Y., Chen, Y., Chen, J., Dai, X.-Y., Zhang, W.-H. (2011) Physiological mechanisms underlying Os-NAC5-dependent tolerance of rice plants to abiotic stress *Planta* **234**(2), pp. 331-345
- 294.Spiteller G. (Aug 2006) Peroxyl radicals: Inductors of neurodegenerative and other inflammatory diseases. Their origin and how they transform cholesterol, phospholipids, plasmalogens, polyunsaturated fatty acids, sugars, and proteins into deleterious products: *Free Radical Biology and Medicine* **41**(3), 362-387. (Review).
- 295.Srivastava, S., Shrivastava, M., Suprasanna, P., D'Souza, S.F. (2011) Phytofiltration of arsenic from simulated contaminated water using *Hydrilla verticillata* in field conditions *Ecological Engineering* **37**(11), pp. 1937-1941.
- 296.Srivastava, A.K., Srivastava, S., Penna, S., D'Souza, S.F. (Jun 2011) Thiourea orchestrates regulation of redox state and antioxidant responses to reduce the NaCl-induced oxidative damage in Indian mustard (*Brassica juncea* (L.) Czern.),*Plant Physiology and Biochemistry* **49** (6), pp. 676-686
- 297.Srivastava, S., Suprasanna, P., D'Souza, S.F. (2011) Redox state and energetic equilibrium determine the magnitude of stress in *Hydrilla verticillata* upon exposure to arsenate *Protoplasma* **248**(4), pp. 805-815.
- 298.Stoddard, F.L., Balko, C., Erskine, W., Khan, H.R., Link, W., Sarker, A. (Jan 2006) Screening techniques and sources of resistance to abiotic stresses in cool-season food legumes: *Euphytica* **147**(1-2), 167-186.
- 299.Stoilkova, G., Yonova, P. (2007) Protective effect of two synthetic compounds against chlorsulfuron injury in maize (*Zea mays* L.); *Acta Agronomica Hungarica* **55**(3), 283-292.
- 300.Stoyanova, Z., L. Simova-Stoilova, K. Demirevska-Kepova (2004) – Compt. Rend. Acad. Bulg. Sci., **57**(8), 27-32.
- 301.Sumithra K, Jutur PP, Carmel BD, et al. (Sep 2006) Salinity-induced changes in two cultivars of *Vigna radiata*: responses of antioxidative and proline metabolism: *Plant Growth Regulation* **50**(1), 11-22.
- 302.Sun, X.-C., Hu, C.-X., Tan, Q.-L. (2006) Effects of molybdenum on antioxidative defense system and membrane lipid peroxidation in winter wheat under low temperature stress; *Journal of Plant Physiology and Molecular Biology* **32**(2), 175-182.
- 303.Tattini, M., C. Galardi, P. Pinelli, R. Massai, D. Remorini, G. Agati (Sep 2004) Differential accumulation of flavonoids and hydroxycinnamates in leaves of *Ligustrum vulgare* under excess light and drought stress, *New Phytologist*, **163**(3), 547-561.
- 304.Tian XR, Lei YB. (Sep 2007) Physiological responses of wheat seedlings to drought and UV-B radiation. Effect of exogenous sodium nitroprusside application: *Russian Journal of Plant Physiology* **54**(5), 676-682.

- 305.Turtola, S., Rousi, M., Pusenius, J., Yamaji, K., Heiska, S., Tirkkonen, V., Meier, B., Julkunen-Tiitto, R. (Oct 2005) Clone-specific responses in leaf phenolics of willows exposed to enhanced UVB radiation and drought stress: *Global Change Biology* **11**(10), 1655-1663.
- 306.Wang BL, Shi L, Li YX, et al. (May 2010); Boron toxicity is alleviated by hydrogen sulfide in cucumber (*Cucumis sativus* L.) seedlings. *Planta* **231**(6), 1301-1309.
- 307.Wang, F.: Persistent and advanced reddening of sweetgum leaves after major veins severing: Journal of Forestry Research 21 (4), 2010:pp. 465-468
- 308.Wang LJ, Loescher W, Duan W, Li, WD; Yang, SH; Li, SH, (2009) Heat acclimation induced acquired heat tolerance and cross adaptation in different grape cultivars: relationships to photosynthetic energy partitioning: *Functional Plant Biology* **36**(6), 516-526.
- 309.Wang, H.-X., Yang, T.-W., Jing-yuan, L.I. (2010); Effects of enhanced UV-B radiation on leaf anthraquinones content and cell ultrastructure of *Aloe vera* L. *Chinese Journal of Applied Ecology*, **21**(1), 260-264.
- 310.Wang Z, Zhang YX, Huang ZB, et al. (Sep 2008) Antioxidative response of metal-accumulator and non-accumulator plants under cadmium stress: *Plant and Soil* **310**(1-2), 137-149.
- 311.Whittaker A, Vazzana C, Vecchio V, Benedettelli, S (Jul 2009); Evaluation of direct and indirect effects of flavonoids, mineral elements and dry weight on antiradical scavenging activity in leaf material of field-grown *Trifolium pratense* cultivars using Path Analysis. *Field Crops Research* **113**(1), 1-11.
- 312.Wu, J.-B., Guan, D.-X., Yuan, F.-H., Zhang, X.-J. (2009); Research advances on the biological effects of elevated ultraviolet-B radiation on terrestrial plants: *Journal of Forestry Research*, **20**(4), 383-390.
- 313.Xu CP, Natarajan S, Sullivan JH. (May 2008) Impact of solar ultraviolet-B radiation on the antioxidant defense system in soybean lines differing in flavonoid contents: *Environmental and Experimental Botany* **63**(1-3), 39-48.
- 314.Yang, J.-D., Yun, J.-Y., Zhang, T.-H., Zhao, H.-L. (Apr 2006) Presoaking with nitric oxide donor SNP alleviates heat shock damages in mung bean leaf discs: *Botanical Studies* **47**(2), 129-136.
- 315.Yang, H., Li, H., Rao, L., Long, G., Shi, G., Peng, G. (2011) Effects of exogenous ABA on antioxidant enzymes in detached citrus leaves treated by rapid freezing *African Journal of Biotechnology* **10**(48), pp. 9779-9785
- 316.Yang, HY; Shi, GX; Qiao, XQ; Tian, XL, JUL, 2011, Exogenous Spermidine and Spermine Enhance Cadmium Tolerance of *Potamogeton malaianus*, *Russian Journal of Plant Physiology*, **58**(4) 622-628
- 317.Yang, S.-H., Wang, L.-J., Li, S.-H., Duan, W., Loescher, W., Liang, Z.-C. (2007) The effects of UV-B radiation on photosynthesis in relation to Photosystem II photochemistry, thermal dissipation and antioxidant defenses in winter wheat (*Triticum aestivum* L.) seedlings at different growth temperatures: *Functional Plant Biology* **34**(10), 907-917.
- 318.Yang SH, Wang LJ, Li SH. (Jul 2007) Ultraviolet-B irradiation-induced freezing tolerance in relation to antioxidant system in winter wheat (*Triticum aestivum* L.) leaves: *Environmental and Experimental Botany* **60**(3), 300-307.
- 319.Yang, Y.Q., Yao, Y., Xu, G., Li, C. (Aug 2005) Growth and physiological responses to drought and elevated ultraviolet-B in two contrasting populations of *Hippophae rhamnoides*: *Physiologia Plantarum* **124**(4), 431-440.
- 320.Yao XQ, Chu JZ, Wang GY (Sep 2009); Effects of Selenium on Wheat Seedlings Under Drought Stress: *Biological Trace Element Research* **130**(3), 283-290.
- 321.Yao XQ, Chu JZ, Wang GY (Sep 2009); Effects of drought stress and selenium supply on growth and physiological characteristics of wheat seedlings: *Acta Physiologae Plantarum* **31**(5), 1031-1036.
- 322.Yao XQ, Liu Q. (Feb 2007) Changes in photosynthesis and antioxidant defenses of *Picea asperata* seedlings to enhanced ultraviolet-B and to nitrogen supply: *Physiologia Plantarum* **129**(2), 364-374.
- 323.Yao XQ, Liu Q. (Jun 2007) Responses in growth, physiology and nitrogen nutrition of dragon spruce (*Picea asperata*) seedlings of different ages to enhanced ultraviolet-B: *Acta Physiologae Plantarum* **29**(3), 217-224.
- 324.Yonova, P., G. Stoilkova (2005) – *Gen. & Appl. Plant Physiol.*, **31**(3-4), 197-214.
- 325.Yonova P., S. Gateva, N. Mincheva, G. Jovchev, M. Stergiou, V. Kapchina-Toteva (2010) – *General and Applied Plant Physiology*, **35**(3-4), 162-171.
- 326.Younis, M.E.-B., Hasaneen, A.-G.M.N., Abdel-Aziz, H.M.M.: An enhancing effect of visible light and UV radiation on phenolic compounds and various antioxidants in broad bean seedlings: *Plant Signaling and Behavior* **5** (10), 2010: pp. 1197-1203
- 327.Yu K, Wei JR, Ma Q, et al. (2009); Senescence of aerial parts is impeded by exogenous gibberellic acid in herbaceous perennial *Paris polyphylla*: *Journal of Plant Physiology* **166**(8), 819-830.
- 328.Zhang YX, Wang Z, Chai TY, et al. (Nov 2008) Indian Mustard Aquaporin Improves Drought and Heavy-metal Resistance in Tobacco. *Molecular Biotechnology* **40**(3), 280-292.

- 329.Zhao, D., K. Reddy, V. Kakani, S. Koti, W. Gao (Jun 2005) Physiological causes of cotton fruit abscission under conditions of high temperature and enhanced ultraviolet-B radiation: *Physiologia Plantarum* **124**(2), 189-199.
- 330.Zhao, D., K. Reddy, V. Kakany, J. Read, J. Sullivan (May 2003) Growth and physiological responses of cotton (*Gossypium hirsutum* L.) to elevated carbon dioxide and ultraviolet-B radiation under controlled environmental conditions, *Plant Cell & Environment*, **26**(5), 771-782.
- 331.Zinser, C., Seidlitz, H.K., Welzl, G., Sandermann, H., Heller, W., Ernst, D., Rau, W. (Jul 2007) Transcriptional profiling of summer wheat, grown under different realistic UV-B irradiation regimes: *Journal of Plant Physiology* **164**(7), 913-922.
- 332.Zlatev ZS, Lidon FC, Ramalho JC, Yordanov, IT (Sep 2006) Comparison of resistance to drought of three bean cultivars: *Biologica Plantarum* **50**(3), 389-394.
- 333.Бранкова, Л. (2010) – Дисертация, София.
- 334.Златев, З. (2005) – Дисертация, П.
- 335.Иванов, С. (2003) – Дисертация, С.
- 336.Катерова, З. (2008) – Дисертация, София.
- 337.Крежкова, Д. (2002) – Дисертация, С.
- 338.Митева, Л. (2005) – Дисертация, С.
- 339.Москова, И. (2010) – Дисертация, София.
- 340.Първанова, Д. (2002) – Дисертация, С.
- 341.Шопова Е. (2011) – Дисертация, С.

(68) Ivanov, S., T. Konstantinova, D. Parvanova, D. Todorova, D. Djilianov, **V. Alexieva** (2001) Effect of high temperature on the growth, free proline content and some antioxidant in tobacco plants. *Comp. Rend. Acad. Bulg. Sci.* **54**(7), 71-74.

Times Cited: 2.

- 342.Kolupaev Yu.E., Akinina G.E., Mokrousov A.V. (2005) – Induction of heat tolerance in wheat coleoptiles by calcium ions and its relation to oxidative stress. *Russian Journal of Plant Physiology*, **52**(2), 199-204.

- 343.Шопова Е. (2011) – Дисертация, С.

(70) Ananieva E. A., **V. S. Alexieva**, L. P. Popova (Jul 2002) Treatment with salicylic acid decreases the effects of paraquat on photosynthesis. *J. Plant Physiol.*, **159**, 685-693. [IF=1.149].

Times Cited: 19.

- 344.Alonso-Ramírez, A., Rodríguez, D., Reyes, D., Jiménez, J.A., Nicolás, G., López-Climent, M., Gómez-Cadenas, A., Nicolás, C. (2009) Evidence for a role of gibberellins in salicylic acid-modulated early plant responses to abiotic stress in *Arabidopsis* seeds. *Plant Physiology*, **150**(3), 1335-1344.
- 345.Ananieva, E.A., Christov, K.N., Popova, L.P. (2004) Exogenous treatment with Salicylic acid leads to increased antioxidant capacity in leaves of barley plants exposed to Paraquat, *Journal of Plant Physiology* 161 (3), pp. 319-328
- 346.Chaneva, G., Parvanova, P., Tzvetkova, N., Uzunova, A. (2010) Photosynthetic response of maize plants against cadmium and paraquat impact. *Water, Air, and Soil Pollution*, **208**(1-4), 287-293.
- 347.Deef H. (2006) - Plant Envirn. Interaction (Books in Soil, Plants a. Envirn.), Bingru Huang (ed) (BOOK).
- 348.Ding, H.-D., Zhang, X., Xu, S.-C., Sun, L.-L., Jiang, M.-Y., Zhang, A.-Y., Jin, Y.-G. (2009) Induction of protection against paraquat-induced oxidative damage by abscisic acid in maize leaves is mediated through mitogen-activated protein kinase. *Journal of Integrative Plant Biology*, **51**(10), 961-972.
- 349.Erdal, S., Aydin, M., Genisel, M., Taspinar, M., Dumluipinar, R., Kaya, O., Gorcek, Z. (2011) Effects of salicylic acid on wheat salt sensitivity *African Journal of Biotechnology* **10**(30), pp. 5713-5718.
- 350.Gémes, K., Poór, P., Sulyok, Z., Szepesi, Á., Szabó, M., Tari, I. (2008) Role of salicylic acid pre-treatment on the photosynthetic performance of tomato plants (*Lycopersicon esculentum* Mill. L. evar. Rio Fuego) under salt stress. *Acta Biologica Szegediensis*, **52**(1), 161-162.
- 351.Hayat, S. and A. Ahmad (2007) - Salicylic acid - A Plant Hormone, pp. 401, Цитатът е на на стр. 136 (BOOK).
- 352.Horvath E, Szalai G, Janda T (Sep 2007) Induction of abiotic stress tolerance by salicylic acid signaling: *Journal of Plant Growth Regulation* **26**(3), 290-300.

353. Mohsenzadeh, S., Shahrtash, M., Mohabatkar, H. (2011) Interactive effects of salicylic acid and silicon on some physiological responses of cadmium-stressed maize seedlings *Iranian Journal of Science and Technology, Transaction A: Science* **35**(1), pp. 57-60.
354. Mutlu, S., Atici, O., Esim, N., Mete, E., Essential oils of catmint (*Nepeta meyeri* Benth.) induce oxidative stress in early seedlings of various weed species, *Acta Physiologiae Plantarum*, Volume 33, Issue 3, May 2011, Pages 943-951
355. Pal M, Horvath E, Janda T, et al. (Nov 2005) Cadmium stimulates the accumulation of salicylic acid and its putative precursors in maize (*Zea mays*) plants: - *Physiologia Plantarum* **125**(3), 356-364.
356. Pal M, Horvath E, Janda T, et al. (Apr 2006) Physiological changes and defense mechanisms induced by cadmium stress in maize: *Journal of Plant Nutrition and Soil Science - Zeitschrift fur Pflanzenernährung und Bodenkunde* **169**(2), 239-246.
357. Poór, P., Gémes, K., Horváth, F., Szepesi, Á., Simon, M.L., Tari, I., Salicylic acid treatment via the rooting medium interferes with stomatal response, CO₂ fixation rate and carbohydrate metabolism in tomato, and decreases harmful effects of subsequent salt stress, *Plant Biology*, Volume 13, Issue 1, January 2011, Pages 105-114
358. Rivas-San Vicente, M., Plasencia, J. (2011) Salicylic acid beyond defence: Its role in plant growth and development *Journal of Experimental Botany* **62**(10), pp. 3321-3338.
359. Silverman FP, Petracek PD, Fledderman CM, et al. (Dec 2005) Salicylate activity. 1. Protection of plants from paraquat injury: - *Journal of Agricultural and Food Chemistry* **53**(25), 9764-9768.
360. Szalai, G., Horgosi, S., Soós, V., Majláth, I., Balázs, E., Janda, T., Salicylic acid treatment of pea seeds induces its de novo synthesis, *Journal of Plant Physiology*, Volume 168, Issue 3, 15 February 2011, Pages 213-219
361. Szepesi, Á., Csiszár, J., Bajkán, S., Gémes, K., Horváth, F., Erdei, L., Deér, A.K., (.), Tari, I. (2005) Role of salicylic acid pre-treatment on the acclimation of tomato plants to salt- and osmotic stress: *Acta Biologica Szegediensis* **49**(1-2), 123-125.
362. Wang, H., Feng, T., Peng, X., Yan, M., Tang, X. (2009) Up-regulation of chloroplastic antioxidant capacity is involved in alleviation of nickel toxicity of *Zea mays* L. by exogenous salicylic acid. *Ecotoxicology and Environmental Safety*, **72**(5), 1354-1362.

(72) Ivanov, S., V. Alexieva, E. Karanov (2002) Effect of prolonged action of sub-herbicide concentrations of 2,4-D on the growth and some stress markers of pea (*Pisum sativum* L.) plants. *Compt. Rend. Acad. Bulg. Sci.*, **55**(1), 89-94.

Times Cited: 1.

363. Митева, Л. (2005) – Дисертация, С.

(74) Ivanov, S., V. Alexieva, I. Sergiev, E. Karanov (2002) Effect of low and high temperature treatment on the glutathione level pool and activity of glutathione-S-transferase in wild and ethylene insensitive mutant eti5 of *Arabidopsis thaliana* (L.) Heynh plants, *Compt. Rend. Acad. Bulg. Sci.* **55**(8), 89-92.

Times Cited: 2.

364. Тодорова, Д. (2002) – Дисертация, С

365. Шопова Е. (2011) – Дисертация, С.

(79) Alexieva V., S. Ivanov, I. Sergiev, E. Karanov (2003) Interaction between stresses (Review). *Bulg. J. Plant Physiol., Special issue – Proceedings of the European Workshop on Environmental Stress and Sustainable Agriculture, 7–12 September, 2002, Varna, Bulgaria*, V. Alexieva, I. Sergiev, E. Karanov, M. Hall (Eds.), 1-17.

Times Cited: 42.

366. Adão Marin (2008) – PhD Thesis. Universidade Estudual Paulista, Campus de Jabotical, São Paulo, Brazil.

367. Aftab T., Masroor M. A. Khan, Idrees Mohd., Naeem M. and Hashmi N., et al. (2011) Growth, photosynthetic efficiency and metabolic alterations associated with exogenous hydrogen peroxide in *Artemisia annua*: Overproduction of artemisinin, *Russian Agricultural Sciences*, **37**(3), 212-219

368. Andressa Freitas de Lima Rhein (2008) – PhD Thesis. Universidade Estudual Paulista, Campus de Jabotical, São Paulo, Brazil.

369. Brazaitytė, A., P. Duchovskis, J Šikšnianiene, B. Gelvonauskis, J. Sakalauskaitė, R. Ulinskaitė, G. Samuoliūnė, G. Šabajevienė, K. Baranauskis, R. Juknys, A. Sliesaravičius, A. Ramaškevičienė (2005) – NJF Report, 1, No 3, p. 38.

- 370.Brazaitytė, A., P. Duchovskis, I. Januškaitienė, R. Juknys (2005) – *Scientific works of the Lithuanian Institute of Horticulture*, **24**(1), 57-64.
- 371.Brazaitytė, A., Sakalauskaitė J., Duchovskis P. et al., (2005) – *Scientific works of the Lithuanian Institute of Horticulture*, **24**(2), 84-90.
- 372.Brazaitytė, A., Sakalauskaitė J., Duchovskis P. et al. (2006) – *Scientific works of the Lithuanian Institute of Horticulture*, **25**(1), 161-169.
- 373.Brazaitytė, A., J. Sakalauskaite, P. Duchovskis, J. Šikšniakienė, G. Samoulienė, R. Ulinskaite, K. Baranauskis, A. Urbonaviciute, G. Šabajavienė, B. Gelvonauskis, N. Uselis, I. Vagusevičienė (2007) – *Scientific Works of the Luthuanian Institute of Horticulture and Lithuantian University of Agriculture*, **26**(2), 34-44.
- 374.Brazaitytė, A., R. Juknys, J. Sakalauskaitė, S. Sakalauskienė, B. Gelvonauskis, G. Samuoliénė, G. Šabajevienė, A. Urbonavičiūtė, R. Ulinskaitė, A. Sliesaravičius, A. Ramaškevičienė, P. Duchovskis (2008) – *Scientific Works of the Luthuanian Institute of Horticulture and Lithuantian University of Agriculture*, **27**(4), 93-105.
- 375.Dėdiliénė, K., Brazaitytė, A., Stankevičiūtė S. (2006) – *Scientific works of the Lithuanian Institute of Horticulture*, **25**(2), 107-117.
- 376.Destro, Moacir Vinícius Pereira (2006) – PhD Thesis: Interaction salt stress and exogenous spermidine application on the level of glycine betaine of Pigeonpea. Universidade Estudual paulista, Campus de Jabotical, São Paulo, Brazil.
- 377.Fanor Casierra-Posada, Deivy L. Moreno (2007) – *Revista Colombiana de Ciencias Horticolas*, **1**(2), 236-245.
- 378.Fredersdorf, J. (2009) – PhD Thesis. University of Bremen, Germany, 164.
- 379.Fredersdorf, J., R. Müller, S. Becker, C. Wiencke, K. Bischof (2009) – *Oecologia*, **160**(3), 483-492.
- 380.Hůnováa, I., R. Novotnýb, H. Uhliřováb, T. Vráblíka, J. Horáleka, B. Lomskýb, V. Šrámekb (2010) – *Environmental Pollution*, **158**(7), 2393-2401.
- 381.Juozaitytė, RA. Ramaškevičienė, A. Sliesaravičius, A. Brazaitytė, P. Duchovskis, N. Burbulis (2007) – Growth and physiological features of pea (*Pisum sativum* L.) of different morphotypes under ozone exposure. *Biologija*, **53**(3), 71-74.
- 382.Januškaitienė I., Juknys R., Pipiraitė A. (2008) – *Žemdirbystė/Zemdirbyste/Agriculture*, **95**(1), 73-85.
- 383.Kalefetoğlu, T., Y. Ekmekçi (2005) – *G.U. Journal of Science*, **18**(4), 723-740 (Review).
- 384.Karsten, U., A. Wulff, M.Y. Roleda, R. Müller, F.S. Steinhoff, J. Fredersdorf (2009) – *Botanica Marina*, **52**(6), 639-654.
- 385.Kreslavski, V.D., Carpentier, R., Klimov, V.V., Murata, N., Allakhverdiev, S.I. (2007) – Molecular mechanisms of stress resistance of photosynthetic apparatus. *Biologicheskie Membrany*, **24**(3), 195-217.
- 386.Kuşvuran, Ş. (2010) – PhD Thesis. Department of Horticulture, Institute of Natural and Applied Sciences, University of Çukurova, Turkey.
- 387.Liheng He, Zhiqiang Gao, Runzhi Li (2009) – *African Journal of Biotechnology*, **8**(22), 6151-6157.
- 388.Огородникова С.Ю., Головко Т.К., Ашихмина Т.Я. (2007) – *Теоретическая и прикладная экология*, **1**, 50-55.
- 389.Pilipavčius V., Romaneckienė R., Ramaškevičienė A., Sliesaravčius A. (2006) – Effect of UV-B radiation, ozone concentration and their combination on *Chenopodium album* L. early growth adaptivity. *Agriculture. Scientific articles*, **93**(3), 99-107.
- 390.Pilipavčius V., Romaneckienė R., Ramaškevičienė A., Sliesaravčius A., (2006) – The effect of CO₂ and temperature combinations on *Chenopodium album* L. early growth. *Agronomy Research*, **4** (Special issue), 311-316.
- 391.Sakalauskienė, S., A. Brazaitytė, J. Sakalauskaitė, S. Lazauskas, P. Duchovskis, G. Samuoliénė, V. Povilaitis, Ž. Juknevičienė (2008) – *Scientific Works of the Luthuanian Institute of Horticulture and Lithuantian University of Agriculture*, **27**(4), 203-211.
- 392.Sakalauskiene, S., G. Šabajeviene, S. Lazauskas, A. Brazaityte, G. Samuoliene, A. Urbonaviciute, J. Sakalauskaitė, R. Ulinskaite, P. Duchovskis (2008) – *Scientific Works of the Luthuanian Institute of Horticulture and Lithuantian University of Agriculture*, **27**(2), 199-207.
- 393.Sakalauskaitė, J., A. Brazaitytė, S. Sakalauskienė, A. Urbonavičiūtė, G. Samuoliénė, A. Lukatkin, D. Bašmakov, P. Duchovskis (2009) – *Scientific Works of the Luthuanian Institute of Horticulture and Lithuantian University of Agriculture*, **28**(1), 137-145.
- 394.Šlepetytė, J., Šikšnianienė J., Brazaitytė, A., Kadžiulienė Ž., Duchovskis P. (2006) – *Scientific works of the Lithuanian Institute of Horticulture*, **25**(2), 125-137.
- 395.Šlepetytė, J., Šikšnianienė J., Kadžiulienė Ž., Brazaitytė A., Duchovskis P. (2007) – *Zemdirbyste/Agriculture*, **94**(3), 47-59.

396. Šlepety J., Siksnianiene J., Brazaityte A., Kadziuliene Z., Duchovskis P. (2008) – Agronomijas Vēstis (*Latvian Journal of Agronomy*), **10**, 175-180.
397. Talanova, V. Topchieva L., Titov A. (2006) – Effect of abscisic acid on the resistance of cucumber seedlings to combined exposure to high temperature and chloride. *Biology Bulletin*, **33**(6), 619-622.
398. Таланова В., Топчиева Л., Титов А. (2006) – *Известия РАН*, Серия биологическая, **6**, 757-761.
399. Tian, X.R., Lei, Y.B. (2007) – Physiological responses of wheat seedlings to drought and UV-B radiation. Effect of exogenous sodium nitroprusside application. *Russian Journal of Plant Physiology*, **54**(5), 676-682.
400. Tzanova, A., A. Uzunova (2006) – *Compt. Rend. Acad. Bulg. Sci.*, **59**(6), 651-656.
401. Vanessa Cristiane Vollet (2006) – PhD Thesis: Glycine-betaine in genotypes of Pigeonpea roots under salt stress associated with exogenous polyamine. Universidade Estadual paulista, Campus de Jabotical, São Paulo, Brazil.
402. Бранкова, Л. (2010) – Дисертация, София.
403. Димитрова-Матева, П. (2008) – Дисертация, София.
404. Кочева, К. (2006) – Дисертация, С.
405. Митева, Л. (2005) – *Растениевъдни науки*, **42**, 483-494 (обзор).
406. Митева, Л. (2008) – *Растениевъдни науки*, **45**, 195-200 (Обзор).
407. Митева, Л. (2008) – *Асклепий*, II (XXI), 127-132 (Обзор).
- (81)** Katerova Z., V. Alexieva, S. Ivanov, S. Mapelli, E. Karanov (2003) Effect of two daily and low-intensity UV-B radiations on growth and stress markers in young pea (*Pisum sativum* L.) plants.: *Compt. rend. Acad. Bulg. Sci.*, **56**(6), 73-78.
Times Cited: 3.
408. Abdel-Kader D. Z., A. A. H. Saleh, A. M. Abu-Elsaoud (2007) – Enhanced UV A+B induced oxidative damage and antioxidant defence system in *Glycine max* L. cultivars. *Acta Botanica Hungarica*, **49**(3), 233-250.
409. Kolomiets, Irina (2006). PhD Thesis, Институт по екология и география, Kishinev, Moldova, 2006.
410. Митева, Л. (2005) – Дисертация, С.
- (83)** Miteva L., S. Ivanov, V. Alexieva, E. Karanov (2003) Effect of herbicide glyphosate on the glutathione levels, glutathione-S-transferase and glutathione reductase in two plant species. *Compt. Rend. Acad. Bulg. Sci.* **56** (1): 79-84.
Times Cited: 1.
411. Шопова Е. (2011) – Дисертация, С.
- (84)** Popova L., E. Ananieva, V. Hristova, K. Christov, K. Georgieva, V. Alexieva, Zh. Stoinova (2003) Salicylic acid- and methyl jasmonate-induced protection on photosynthesis to paraquat oxidative stress. *Bulg. J. Plant Physiol.*, issue – Proceedings of the European Workshop on Environmental Stress and Sustainable Agriculture, 7–12 September, 2002, Varna, Bulgaria, V. Alexieva, I. Sergiev, E. Karanov, M. Hall (Eds.), 133-152.
Times Cited: 8.
412. Chan, Z., Wang, Q., Xu, X., Meng, X., Qin, G., Li, B., Tian, S. (2008) - *Proteomics*, **8**(22):4791-4807.
413. El-Tayeb M. A. (2005) - Response of barley grains to the interactive effect of salinity and salicylic acid. *Plant Growth Regulation* **45**:215–224.
414. Kumari G.J., A. M. Reddy, S. T. Naik, S. G. Kumar, J. Prasanthi, G. Sriranganayakulu, P. C. Reddy and Chinta Sudhakar (Jun 2006) - Jasmonic acid induced changes in protein pattern, antioxidative enzyme activities and peroxidase isozymes in peanut seedlings. *Biologia Plantarum* **50**(2).
415. Mansour Nesreen, Ziad Mimi and Jamil Harb (2008) - Alleviation of Salinity Stress Imposed on Broad Bean (*Vicia faba*) Plants Irrigated With Reclaimed Wastewater Mixed With Brackish Water Through Exogenous Application of Jasmonic Acid. Efficient Management of Wastewater, Springer Berlin Heidelberg (BOOK).
416. Nojavan-Asghari M, A Norastehnia (2006) - A Possible Role for Methyl Jasmonate in Effecting Superoxide Dismutase and Catalase Activities under PQ-induced oxidative stress in maize seedlings. *Journal of Biological Sciences* **6**(1): 55-60.
417. Norastehnia A, M Nojavan-Asghari (2006) - Effects of Methyl Jasmonate on the Enzymatic Antioxidant Defense System in Maize Seedlings Subjected to Paraquat. *Asian Journal of Plant Sciences* **5**(1): 17-23.

- 418.Smetanska Iryna (2006) - Impact of elicitors on glucosinolate production in plants and exudates of turnip (*Brassica rapa*). von der Fakultät III – Prozesswissenschaften - der Technischen Universität Berlin zur Erlangung des akademischen Grades Doktorin der Ingenieurwissenschaften.
- 419.Żurek Agnieszka, Edward Grzyś (2007) - Wpływ Kwasu Salicylowego Na Parametry Fizjologiczne Siewek Ogórka Traktowanych Herbicydem Reglone. *Progress in Plant Protection / Postępy w Ochronie Roślin*, **47**(3).

(86) Sergiev, I.; **Alexieva, V.**; Karanov, E. (2003) Modulation of the paraquat toxicity in pea plants by some phenylurea derivatives: *Compt. rend. Acad. Bulg. Sci.* **56**(7), 83-88.

Times Cited: 1.

420.Москова, И. (2010) – Дисертация, София.

(87) Todorova D., D. Parvanova, T. Konstantinova, S. Ivanov, D. Djilianov, **V. Alexieva** (2003) Endogenous free and bound polyamine content in tobacco plants subjected to high temperature stress. *Compt. rend. Acad. Bulg. Sci.* **56**(6), 79-84.

Times Cited: 1.

421.Кочева, К. (2006) – Дисертация, С.

(88) Yordanova, RY; **Alexieva, VS**; Popova, LP (Mar- Apr 2003) Influence of root oxygen deficiency on photosynthesis and antioxidant status in barley plants: *Russian J. Plant Physiol.*, **50**(2). 163-167. [IF=0.127].

Times Cited: 14.

422.Jia, Y., Sun, J., Wang, L.-P., Shu, S., Thermal dissipation pathway in cucumber seedling leaves under hypoxia stress, Influence of Root Oxygen Deficiency on Photosynthesis and Antioxidant Status in Barley Plants, (2003) Russian Journal of Plant Physiology, 50 (2), pp. 163-167.

423.Li, M., Hou, G., Yang, D., Deng, G., Li, W., Photosynthetic traits of Carex cinerascens in flooded and non-flooded conditions, *Photosynthetica*, Volume 48, Issue 3, 2010, Pages 370-376

424.Bingru Huang (ed.) - Plant-Environment Interactions, Third Edition (Books in Soils, Plants, and the Environment) by (Hardcover - May 1, 2006). Цитатът е на стр. 206 (BOOK).

425.Chen, F.-Q., Guo, C.-Y., Wang, C.-H., Xu, W.-N., Fan, D.-Y., Xie, Z.-Q. (2008) Effects of waterlogging on ecophysiological characteristics of *Salix* variegatae seedlings: *Chinese Journal of Applied Ecology* **19**(6), 1229-1233.

426.Jamei, R., Heidari, R., Khara, J., Zare, S. (2008) The interaction effects of flooding and kinetin on growth criteria, chlorophyll content, and 5-aminolevulinic acid dehydratase activity in corn seedlings: *Turkish Journal of Biology* **32**(4), 253-257.

427.Jamei, R., Heidari, R., Khara, J., Zare, S. (2009) Hypoxia induced changes in the lipid peroxidation, membrane permeability, reactive oxygen species generation, and antioxidative response systems in *Zea mays* leaves. *Turkish Journal of Biology*, **33**(1), 45-52.

428.Jia, Y., Sun, J., Wang, L.-P., Shu, S. (2011) Thermal dissipation pathway in cucumber seedling leaves under hypoxia stress *Chinese Journal of Applied Ecology* **22**(3), pp. 707-712

429.Lee MO, Hwang JH, Lee DH, et al. (2007) – Gene expression profile for *Nicotiana tabacum* in the early phase of flooding stress. *J. Plant Biol.*, **4**, 496-503.

430.Li, M., Hou, G., Yang, D., Deng, G., Li, W. (2010) Photosynthetic traits of Carex cinerascens in flooded and nonflooded conditions *Photosynthetica* **48** (3), pp. 370-376

431.Liu, P., Kang, H.-J., Zhang, Z.-X., Xu, G.-D., Zhang, Z.-Y., Chen, Z.-L., Liao, C.-C., Chen, W.-X. (2008) Responses of growth and chlorophyll fluorescence of *Emmenopterys henryi* seedlings to different light intensities. *Shengtai Xuebao/ Acta Ecologica Sinica*, **28**(11), 5656-5664.

432.Mi, O.L., Ji, H.H., Dong, H.L., Choo, B.H. (2007) Gene expression profile for *Nicotiana tabacum* in the early phase of flooding stress. *Journal of Plant Biology* **50**(4), 496-503.

433.Rzepka A, Krupa J, Slesak I (2005) Effect of hypoxia on photosynthetic activity and antioxidative response in gametophores of *Mnium undulatum*: - *Acta Physiologiae Plantarum* **27**(2) 205-212.

434.Yin, D., Chen, S., Chen, F., Guan, Z., Fang, W. (2009) Morphological and physiological responses of two chrysanthemum cultivars differing in their tolerance to waterlogging. *Environmental and Experimental Botany*, **67**(1), 87-93.

435.Yordanova, R.Y., Christov, K.N., Popova, L.P. (2004) Antioxidative enzymes in barley plants subjected to soil flooding, *Environmental and Experimental Botany* **51** (2), pp. 93-101

(88a) Katerova Z.I., Ivanov S., Alexieva V., Karanov E.N. (2003) Effect of increasing UV-B radiations on growth parameters and stress markers in pea. *Bulg. J. Plant Physiol.*, **56**, 374.

Times Cited: 1.

436. Abdel-Kader D Z, Saleh AAH, Abu-Elsaoud AM. (2007) - Enhanced UV A+B induced oxidative damage and antioxidant defence system in Glycine max L. cultivars. *Acta Botanica Hungarica*, **49** (3-4), 233-250.,

(89) Alexieva, VS; Sergiev, IG; Todorova, DA., Karanov, A. Smith, M. Hall (2004) Effect of ethylene and its antagonist 1-MCP on the senescence of detached leaves of *Arabidopsis thaliana* (L.) Heynh: *Biologia Plantarum* **48**(4), 593-595 [IF=0.919].

Times Cited: 3.

437. Nadeem, S.M., Zahir, Z.A., Naveed, M., Ashraf, M., Microbial ACC-deaminase: Prospects and applications for inducing salt tolerance in plants, *Critical Reviews in Plant Sciences*, Volume 29, Issue 6, November 2010, Pages 360-393

438. Yuan, H.-L., Jin, L.-P., Huang, S.-W., Xie, K.-Y., Li, Y., Qu, D.-Y. (2007) Effects of silver thiosulfate on the growth and antioxidative enzymes activities in tube seedling of potato under aeration and airtight conditions: *Plant Physiology Communications* **43**(6), 1082-1084.

439. Васева-Гемишева, И. (2006) – Диссертация, С.

(92) Parvanova D, Ivanov S, Konstantinova T, Karanov E, Atanassov A, Tsvetkov T, Alexieva V, Djilianov D (Jan 2004) Transgenic tobacco plants accumulating osmolytes show reduced oxidative damage under freezing stress: *Plant Physiol. Biochem.*, **42**, 57-63. [IF=1.729].

Times Cited: 51.

440. Arakawa K.; Inada H.; Fujikawa S. (2009) Sucrose, sucrosyl oligosaccharides, and oxidative stress: scavenging and salvaging? Conference: 8th International Plant Cold Hardiness Seminar (8IPCHS) Location: Univ Saskatchewan, Saskatchewan, CANAD (Aug 3-9 2007) Source: Plant Cold Hardiness: from the Laboratory to the Field pp: 173-182

441. Bolouri-Moghaddam MR, Le Roy K, Xiang L, et al. (May 2010): Sugar signalling and antioxidant network connections in plant cells: *Fefs Journal*: **277**(9), 2022-2037.

442. Cansev A, Gulen H, Eris A: (Apr 2011) The activities of catalase and ascorbate peroxidase in olive (*Olea europaea* L. cv. Gemlik) under low temperature stress: Horticulture Environment and Biotechnology **52**(2) pp. 113-120

443. Carter C, Shafir S, Yehonatan, L., Palmer, R.G., Thornburg, R. (Feb 2006) A novel role for proline in plant floral nectars: *Naturwissenschaften*: **93**(2), 72-79.

444. Chen N, Liu Y, Liu, X., Chai, J., Hu, Z., Guo, G., Liu, H. (Sep 2009) Enhanced Tolerance to Water Deficit and Salinity Stress in Transgenic *Lycium barbarum* L. Plants Ectopically Expressing ATHK1, an *Arabidopsis thaliana* Histidine Kinase Gene: *Plant Molecular Biology Reporter*: **27**(3), 321-333.

445. David P. Livingston III, Dirk K. Hincha, Arnd G. Heyer (2007) – The relationship of fructan to abiotic stress tolerance in plants. In: Recent Advances in Fructooligosaccharides Research, eds. Shiomi Norio, Benkebla Noureddine and Onodera Shuichi, ISBN: 81-308-0146-9, 181-199 (Review) (BOOK).

446. Di Martino C, Pizzuto R, Pallotta, M.L., De Santis, A., Passarella, S. (May 2006) Mitochondrial transport in proline catabolism in plants: the existence of two separate translocators in mitochondria isolated from durum wheat seedlings: *Planta*: **223**(6), 1123-1133.

447. Ennajeh M, Vadel AM, Khemira H, Ben Mimoun, M., Hellali, R. (Jan 2006) Defense mechanisms against water deficit in two olive (*Olea europaea* L.) cultivars 'Meski' and 'Chemlali': *Journal of Horticultural Science & Biotechnology*: **81**(1), 99-104.

448. Espevig, T., Dacosta, M., Hoffman, L., Aamlid, T.S., Tronsmo, A.M., Clarke, B.B., Huang, B., (May 2011) Freezing tolerance and carbohydrate changes of two *Agrostis* species during cold acclimation, *Crop Science* **51**(3), pp. 1188-1197

449. Finkel, N. (2005) — PhD Thesis— Surface-Assisted Laser Desorption/Ionization-Mass Spectrometry (SALDI-MS) of Controlled Nanopore Cavities and the Associated Thermal Properties. North Carolina State University, USA. p. 65, ref. 18 (<http://repository.lib.ncsu.edu/ir/handle/1840.16/2128>).

450. Gehlot, H., Purohit A., Shekhawat N. (2005) – Metabolic changes and protein patterns associated with adaptation to salinity in *Sesamum indicum* cultivars. *Journal of Cell and Molecular Biology*, **4**, 31-39.

451. Gruszka V. E. C.; Schuster I.; Pileggi M.; et al. (Oct 2007) Stress-induced synthesis of proline confers tolerance to water deficit in transgenic wheat, *Journal of Plant Physiology* **164**(10), pp. 1367-1376
452. Hu XJ, Zhang ZB, Xu P, et al. (Jun 2010) Multifunctional genes: the cross-talk among the regulation networks of abiotic stress responses: *Biologia Plantarum*: **54**(2), 213-223.
453. Huang Jia-quan, SUN Zhong-hai (2005) – Agrobacterium-mediated transfer of Arabidopsis ICE1 gene into lemon (*Citrus Limon* (L.) burm. F. cv. Eureka. *Agric. Sci. in China*, **4**(9), 714-720.
454. Katja Morgenthal (2007) – PhD Thesis: Protein Profiling und Metabolite Profiling in *Arabidopsis thaliana* im systembiologischen Kontext. von der Fakultät III Prozesswissenschaften der Technischen Universität Berlin zur Erlangung des akademischen Grades, Germany.
455. Kumar V, Shriram V, Kishor PBK, Jawali, N., Shitole, M.G. (Jan 2010) Enhanced proline accumulation and salt stress tolerance of transgenic indica rice by over-expressing P5CSF129A gene: *Plant Biotechnology Reports*: **4**(1), 37-48.
456. Laura Giaquinto (2006) – PhD Thesis: The characterization of Gsp (Cold Shock Protein) from the Antarctic archaeon, *Methanogenium frigidum*. University of New South Wales, Australia.
457. Li Huijuan, Zhang Xuecheng, Yue Guidong, Zhang Juren (2007) – Cloning and functional analysis of fructan: fructan 1-fructosyltransferase from *Lactuca sativa*, *Chinese High Technology Letters*, **17**(4), 424-429.
458. Li HJ, Yang AF, Zhang XC, et al. (Apr 2007) Improving freezing tolerance of transgenic tobacco expressing sucrose: sucrose 1-fructosyltransferase gene from *Lactuca sativa*: *Plant Cell Tissue and Organ Culture*: **89**(1), 37-48.
459. Li, H-J., Yin H-Y., Zhang X-C., Yang A-F. (2007) – Enhancement of drought resistance in transgenic tobacco expressing sucrose: Sucrose 1-fructosyltransferase gene from *Lactuca sativa*. *Journal of Shandong University (Natural Science)*, **42**(1), 59-63.
460. Livingston DP, Hincha DK, Heyer AG (Jul 2009): Fructan and its relationship to abiotic stress tolerance in plants: *Cellular and Molecular Life Sciences*: **66**(13), 2007-2023.
461. Mahdavi, B., Sanavy, S.A.M.M. (2007) – Germination and seedling growth in grasspea (*Lathyrus sativus*) cultivars under salinity conditions. *Pakistan Journal of Biological Sciences*, **10**(2), 273-279.
462. Perez-Arellano I, Carmona-Alvarez F, Martinez AI, et al. (Mar 2010) Pyrroline-5-carboxylate synthase and proline biosynthesis: From Osmotolerance to rare metabolic disease: *Protein Science*: **19**(3), 372-382.
463. Porcel R, Azcon R, Ruiz-Lozano JM (2004) – Evaluation of the role of genes encoding for Delta(1)-pyrroline-5-carboxylate synthetase (P5CS) during drought stress in arbuscular mycorrhizal *Glycine max* and *Lactuca sativa* plants. *Physiological and Molecular Plant Pathology*, **65**(4), 211-221.
464. Qin JH, Liu Q (Mar 2010): Oxidative metabolism-related changes during germination of mono maple(*Acer mono Maxim.*) seeds under seasonal frozen soil: *Ecological Research*: **25**(2), 337-345.
465. RoyChoudhury A, Roy C, Sengupta DN. (Oct 2007) Transgenic tobacco plants overexpressing the heterologous lea gene Rab16A from rice during high salt and water deficit display enhanced tolerance to salinity stress: *Plant Cell Reports*: **26**(10), 1839-1859.
466. Ruiz-Lozano JM, Porcel R, Aroca R. (2006) Does the enhanced tolerance of arbuscular mycorrhizal plants to water deficit involve modulation of drought-induced plant genes?: *New Phytologist*: **171**(4), 693-698.
467. Sandve SR, Fjellheim S (May 2010): Did gene family expansions during the Eocene-Oligocene boundary climate cooling play a role in Pooideae adaptation to cool climates?: *Molecular Ecology*: **19**(10), 2075-2088.
468. Sharma, S., Villamor, J.G., Verslues, P.E. (2011) Essential role of tissue-specific proline synthesis and catabolism in growth and redox balance at low water potential *Plant Physiology* **157** (1), pp. 292-304
469. Singh, A.K., Ansari, M.W., Pareek, A., Singla-Pareek, S.L. (2008) Raising salinity tolerant rice: Recent progress and future perspectives: *Physiology and Molecular Biology of Plants* **14**(1-2), 137-154.
470. Singh AK, Mehta AK, Sridhara, S., Gaur, S.N., Singh, B.P., Sarma, P.U., Arora, N. (Apr 2006) Allergenicity assessment of transgenic mustard(*Brassica juncea*) expressing bacterial codA gene: *Allergy*: **61**(4), 491-497.
471. Singh AK, Singh BP, Prasad GBKS, et al. (Dec 2008) Safety Assessment of Bacterial Choline Oxidase Protein Introduced in Transgenic Crops for Tolerance against Abiotic Stress: *Journal of Agricultural and Food Chemistry*: **56**(24), 12099-12104.
472. Skyba, M., Urbanová, M., Kapchina-Toteva, V., Košuth, J., Harding, K., Ellarova, E., Physiological, biochemical and molecular characteristics of cryopreserved *Hypericum perforatum* L. shoot tips, *Cryo-Letters*, Volume 31, Issue 3, May 2010, Pages 249-260
473. Stoyanova, S., Geuns, J., Hideg, É., Van Den Ende, W. (May 2011) The food additives inulin and stevioside counteract oxidative stress, *International Journal of Food Sciences and Nutrition*, **62**(3), pp. 207-214

474. Szabados, L., Kovács, H., Zilberman, A., Bouchereau, A., Plants in Extreme Environments. Importance of Protective Compounds in Stress Tolerance (book), Advances in Botanical Research, Volume 57, 2011, Pages 105-150
475. Tang, W.-T., Liu, X., Fang, M.-F., Yue, M., Effects of UV-B radiation on growth and physiological-biochemical indexes of *Scutellaria baicalensis* seedlings, Journal of Plant Resources and Environment, Volume 19, Issue 3, 2010, Pages 68-72
476. Tian, Y., Zhang, H., Pan, X., Chen, X., Zhang, Z., Lu, X., Huang, R. (2011) Overexpression of ethylene response factor TERF2 confers cold tolerance in rice seedlings *Transgenic Research* **20**(4), pp. 857-866
477. Turchetto-Zolet AC, Margis-Pinheiro M, Margis R. (Jan 2009) The evolution of pyrroline-5-carboxylate synthase in plants: a key enzyme in proline synthesis: *Molecular Genetics and Genomics*: **281**(1), 87-97.
478. Valluru R, Van den Ende W. (Aug 2008) Plant fructans in stress environments: emerging concepts and future prospects: *Journal of Experimental Botany* **59**(11), 2905-2916.
479. Van den Ende W, Clerens S, Vergauwen R, R., Boogaerts, D., Le Roy, K., Arckens, L., Van Laere, A. (Mar 2006) Cloning and functional analysis of a high DP fructan: fructan 1-fructosyl transferase from *Echinops ritro*(Asteraceae): comparison of the native and recombinant enzymes: *Journal of Experimental Botany*: **57**(4), 775-789.
480. Van den Ende, W., Coopman, M., Clerens, S., Vergauwen, R., le Roy, K., Lammens, W., van Laere, A., (Jan 2011) Unexpected presence of graminan- and levan-type fructans in the evergreen frost-hardy eudicot pachysandra terminalis (buxaceae): Purification, cloning, and functional analysis of a 6-SST/6-SFT Enzyme, *Plant Physiology*, **155**(1), , pp. 603-614
481. Van den Ende W, Lammens W, Van Laere A, Schroeven, L., Le Roy, K. (Oct 2009) Donor and acceptor substrate selectivity among plant glycoside hydrolase family 32 enzymes: *Fefs Journal*: **276**(20), 5788-5798.
482. Van den Ende W, Valluru R (Jan 2009). Sucrose, sucrosyl oligosaccharides, and oxidative stress: scavenging and salvaging?: *Journal of Experimental Botany*: **60**(1), 9-18.
483. Van Den Ende, W., Yoshida, M., Clerens, S., Vergauwen, R., Kawakami, A. (Jun 2005) Cloning, characterization and functional analysis of novel 6-kestose exohydrolases(6-KEHs) from wheat(*Triticum aestivum*): *New Phytologist*: **166**(3), 917-932.
484. Vendruscolo E.C.G., Schuster, I., Pileggi, M., Scapim, C.A., Molinari, H.B.C., Marur, C.J., Vieira, L.G.E. (Oct 2007) Stress-induced synthesis of proline confers tolerance to water deficit in transgenic wheat: *Journal of Plant Physiology*: **164**(10), 1367-1376.
485. Verhaest M, Van den Ende W, Le Roy, K., De Ranter, C.J., Van Laere, A., Rabijns, A. (Feb 2005) X-ray diffraction structure of a plant glycosyl hydrolase family 32 protein: fructan 1-exohydrolase IIa of *Cichorium intybus*: *Plant Journal*: **41**(3), 400-411.
486. Wan, L., Zhang, J., Zhang, H., Zhang, Z., Quan, R., Zhou, S., Huang, R. (2011) Transcriptional activation of OsDERF1 in OsERF3 and OsAP2-39 negatively modulates ethylene synthesis and drought tolerance in rice *PLoS ONE* **6**(9), art. no. e25216
487. Wang, Q.-B., Xu, W., Xue, Q.-Z., Su, W.-A., (Nov 2010) Transgenic *Brassica chinensis* plants expressing a bacterial codA gene exhibit enhanced tolerance to extreme temperature and high salinity, *Journal of Zhejiang University: Science B*, **11**(11), pp. 851-861
488. Weltmeier F, Ehler A, Mayer CS, et al. (Jul 2006) Combinatorial control of *Arabidopsis* proline dehydrogenase transcription by specific heterodimerisation of bZIP transcription factors: *EMBO Journal*: **25**(13), 3133-3143.
489. Zhou X., Bailey T., Yang Y. (2006) – Defense Signaling and Pathway Interaction involved in Rice Disease Resistance. In: Model Plants And Crop Improvement (Eds Robert M. D. Koebner, Rajeev Varshney), p. 271 (BOOK).
490. Ziaf K, Loukehaich R, Gong PJ, et al.: (Jun 2011) A Multiple Stress-Responsive Gene ERD15 from *Solanum pennellii* Confers Stress Tolerance in Tobacco: *Plant and Cell Physiology* **52**(6) pp. 1055-1067

(96) Vaseva-Gemisheva I, Lee D, Alexieva V, Karanov E (Jan 2004) Cytokinin oxidase/dehydrogenase in *Pisum sativum* plants during vegetative development. Influence of UV-B irradiation and high temperature on enzymatic activity. *Plant Growth Regul.*, **42**(1), 1-5 [IF=0.688].

Times Cited: 2.

491. Gaudinova A, Dobrev PI, Solcova B, Novak O, Strnad M, Friedecky D, Motyka V. (Sep 2005) The involvement of cytokinin oxidase/dehydrogenase and zeatin reductase in regulation of cytokinin levels in pea (*Pisum sativum* L.) leaves - *Journal of Plant Growth Regulation* **3**, 188-200 (Jun 2008).

492.Held, M., Pepper, A.N., Bozdarov, J., Smith, M.D., Emery, R.J.N., Guinel, F.C. (2008) The pea nodulation mutant R50 (sym16) displays altered activity and expression profiles for cytokinin dehydrogenase: *Journal of Plant Growth Regulation* **27**(2), 170-180.

(97) 97.Brankova, L., S. Ivanov, V. Alexieva, E. Karanov, (2005) Salt-induced alteration in the levels of some oxidative parameters and unspecific defense compounds in leaves of two plant species (cotton and bean) with different sensitivity to salinity, *Compt. rend. Acad. Bulg. Sci.* 58 (11), 1305–1310

Times Cited: 1.

493.Шопова Е. (2011) – Дисертация, С.

(98) Ivanov S., L. Miteva, V. Alexieva, H. Karjin, E. Karanov (Mar 2005) Alterations in some oxidative parameters in susceptible and resistant wheat plants infected with *Puccinia recondita* f.sp tritici: *J. Plant Physiol.*, **162**(3), 275-279, [IF=1.149].

Times Cited: 5.

494.Kovács, V., Pál, M., Vida, G., Szalai, G., Janda, T. (2011) Effect of powdery mildew infection on the antioxidant enzyme activities in different lines of Thatcher-based wheat, *Acta Biologica Szegediensis* 55(1) , pp. 99-100

495.Collins RM, Afzal M, Ward DA, et al. (Apr 2010) Differential Proteomic Analysis of *Arabidopsis thaliana* Genotypes Exhibiting Resistance or Susceptibility to the Insect Herbivore, *Plutella xylostella*, *PLOS ONE* 5(4) Article Number: e10103.

496.Escola MCV (2005) – PhD Thesis: Bases bioquímiques de resistencia a *Penicillium expansum* en poma. Universitat de Lleida.

497.Gołebiowska, G., WeDzony, M., Plazek, A., The responses of pro- and antioxidative systems to cold-hardening and pathogenesis differ in triticale (x triticosecale wittm.) seedlings susceptible or resistant to pink snow mould (microdochium nivale fr., samuels & hallett), *Journal of Phytopathology*, Volume 159, Issue 1, January 2011, Pages 19-27

498.Van Zyl (2006) – PhD Thesis: Biochemical and molecular analysis of the early response of *Triticum aestivum* infected with *Puccinia striiformis* f.sp. tritici. University of the Free State.

(99) Ivanov, SV; Alexieva, VS; Karanov, EN (Mar-Apr 2005) Cumulative effect of low and high atrazine concentrations on *Arabidopsis thaliana* plants: *Russian J Plant Physiol.* **52**(2), 213-219. [IF=0.127].

Times Cited: 7.

499.Del Buno, D., Prinsi, B., Espen, L., Scarponi, L. (2009) Triosephosphate Isomerasases in Italian Ryegrass (*Lolium multiflorum*): Characterization and Susceptibility to Herbicides. *Journal of Agricultural and Food Chemistry* **57**(17), 7924-7930.

500.Gar'kova, A.N., Rusyaeva, M.M., Nushtaeva, O.V., Aroslankina, Y.N., Lukatkin, A.S. (2011) Treatment with the herbicide granstar induces oxidative stress in cereal leaves *Russian Journal of Plant Physiology* **58**(6), pp. 1074-1081

501. Katerova, Z., Miteva, L. (2010) Glutathione and herbicide resistance in plants. In: Ascorbate – glutathione pathway and stress tolerance in plants, Eds. Anjum N.A., S. Umar, M.-T. Chan, Springer Science+Business Media, DOI 10.1007/978-90-481-9404-9_6, Ch. 6, pp. 191-207 (Book).

502.Michalowicz, J., Duda, W. (2009) The effects of 2,4,5-trichlorophenol on some antioxidative parameters and the activity of glutathione S-transferase in reed canary grass leaves (*Phalaris arundinacea*) *Polish Journal of Environmental Studies* **18**(5), 845-852.

503.Nowak, A., Nowak, J., Blaszak, M., Hawrot, M., Hury, G., Klodka, D., Musik, D., (.), Telesinski, A. (2008) Influence of linuron and trifluralin residues on the microorganisms and biochemical properties of the soil and plant in soybean: *Journal of Plant Diseases and Protection, Supplement* (21), 125-134.

504.Митева, Л. (2005) – Дисертация, С.

505.Шопова Е. (2011) – Дисертация, С.

(110) Vaseva-Gemisheva, I., I. Sergiev, D. Todorova, **V. Alexieva**, E. Stanoeva, V. Lachkova, E. Karanov (Jul 2005) Antagonistic effects of triazolo[4,5-d]pyrimidine and pyridylurea derivatives on cytokinin-induced cytokinin oxidase/dehydrogenase activity in young pea plants. *Plant Growth Regul.*, **46**(3), 193-197. [IF=0.688].

Times Cited: 2.

- 506.Held, M., Pepper, A.N., Bozdarov, J., Smith, M.D., Emery, R.J.N., Guinel, F.C. (2008) The pea nodulation mutant R50 (sym16) displays altered activity and expression profiles for cytokinin dehydrogenase: *Journal of Plant Growth Regulation* **27**(2), 170-180.
- 507.Jaleel, C.A., Gopi, R., Gomathinayagam, M., Panneerselvam, R. (2009) Traditional and non-traditional plant growth regulators alters phytochemical constituents in Catharanthus roseus. *Process Biochemistry* **44**(2), 205-209.

(111) Sergiev, I., **V. Alexieva**, S. Ivanov, I. Moskova, E. Karanov (Jul 2006) The phenylurea cytokinin 4PU-30 protects maize plants against glyphosate action. *Pest. Bioch. Physiol.*, **85**(3), 139-146. ISSN – 0048-3575, [IF=1.189].

Times Cited: 16.

- 508.Митева, Л. (2008) – *Асклепий*, II (XXI), 127-132 (Обзор).
- 509.Ahsan, N., Lee, D.-G., Lee, K.-W., Alam, I., Lee, S.-H., Bahk, J.D., Lee, B.-H. (2008) – *Plant Physiology and Biochemistry*, **46**(12), 1062-1070.
- 510.Basantani, M., Srivastava, A., Sen, S., Elevated antioxidant response and induction of tau-class glutathione S-transferase after glyphosate treatment in *Vigna radiata* (L.) Wilczek, *Pesticide Biochemistry and Physiology*, Volume 99, Issue 1, January 2011, Pages 111-117
- 511.Bermudez, G.M.A., Pignata, M.L. (2011) Antioxidant response of three *Tillandsia* species transplanted to urban, agricultural, and industrial areas *Archives of Environmental Contamination and Toxicology* **61**(3), pp. 401-413
- 512.Bott, S., Tesfamariam, T., Kania, A., Eman, B., Aslan, N., Römhild, V., Neumann, G., Phytotoxicity of glyphosate soil residues re-mobilised by phosphate fertilization, *Plant and Soil*, Volume 342, Issue 1-2, May 2011, Pages 249-263
- 513.Brain, R.A., N. Cedergreen (2009) – In: *Reviews of environmental contamination and toxicology*, Springer New York, DOI 10.1007/978-0-387-09647-6, 198, 1-61 (Review).
- 514.Carlos Alberto Moldes, Leonardo Oliveira Medici, Othon Silva Abrahão, Siu Miu Tsai, Ricardo Antunes Azevedo (2008) – *Acta Physiologiae Plantarum*, **30**(4), 469-479.
- 515.Cassina, L., Tassi, E., Morelli, E., Giorgetti, L., Remorini, D., Chaney, R.L., Barbaferri, M. (2011) Exogenous cytokinin treatments of an NI hyper-accumulator, alyssum Murale, grown in a serpentine soil: Implications for phytoextraction International Journal of Phytoremediation 13 (SUPPL.1), pp. 90-101
- 516.Çavuşoğlu, K., Yalçın, E., Türkmen, Z., Yapar, K., Çavuşoğlu, K., Çiçek, F. (2011) Investigation of toxic effects of the glyphosate on allium cepa, *Tarim Bilimleri Dergisi* 17(2) , pp. 131-142
- 517.Cebeci, O., H. Budak (2009) – Comparative and Functional Genomics, Article ID 505701, 10 pages DOI 10.1155/2009/505701.
- 518.Димитрова-Матева, П. (2008) – Диссертация, София.
- 519.El-Tayeb M.A., H. Zaki (2009) – *American-Eurasian Journal of Agronomy*, **2**(3), 168-175.
- 520.Katerova, Z., Miteva, L. (2010) Glutathione and herbicide resistance in plants. In: *Ascorbate – glutathione pathway and stress tolerance in plants*, Eds. Anjum N.A., S. Umar, M.-T. Chan, Springer Science+Business Media, DOI 10.1007/978-90-481-9404-9_6, Ch. 6, pp. 191-207 (Book)..
- 521.Lee, HJ, GJ Lee, DS Kim, JB Kim, JH Ku, SY Kang (2008) – *Kor. J. Hort. Sci. Technol.*, **26**(4), 454-463.
- 522.Moldes, C.A., Medici, L.O., Abrahão, O.S., Tsai, S.M., Azevedo, R.A. (2008) Biochemical responses of glyphosate resistant and susceptible soybean plants exposed to glyphosate, *Acta Physiologiae Plantarum* 30 (4), pp. 469-479
- 523.Unver, T., Bakar, M., Shearman, R.C., Budak, H., (Apr 2010) Genome-wide profiling and analysis of *Festuca arundinacea* miRNAs and transcriptomes in response to foliar glyphosate application, *Molecular Genetics and Genomics* 283(4), 397-413

(112) 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 N-1-(2-chloro-4-pyridyl)-N-2-phenylurea on enzymatic activity and leaf morphology, *Acta Physiologiae Plantarum* **28**(6) 613-618 [IF=0.379].

Times Cited: 2.

524.Babosha AV (2009) Regulation of resistance and susceptibility in wheat-powdery mildew pathosystem with exogenous cytokinins *Journal of Plant Physiology* **166**(17) 1892-1903.

525.Held M, Pepper AN, Bozdarov J, et al. (Jun 2008) The pea nodulation mutant R50 (sym16) displays altered activity and expression profiles for cytokinin dehydrogenase: *Journal of Plant Growth Regulation* **27**(2) 170-180.

(115) Brankova, L., S. Ivanov, **V. Alexieva** (2007) The induction of microsomal NADPH:cytochrome P450 and NADH:cytochrome b5 reductases by long-term salt treatment of cotton (*Gossypium hirsutum* L.) and bean (*Phaseolus vulgaris* L.) plants, *Plant Physiol. Biochem.*, 2007, **45**, 691-695. [IF=1.556].

Times Cited: 4.

526.Lah, L., Podobnik, B., Novak, M., Korošec, B., Berne, S., Vogelsang, M., Kraševc, N., (...), Komel, R. (2011) The versatility of the fungal cytochrome P450 monooxygenase system is instrumental in xenobiotic detoxification *Molecular Microbiology* **81** (5), pp. 1374-1389

527.Punvitayagul, C., Wongpoomchai, R., Taya, S., Pompimon, W, Effect of pinocembrin isolated from Boesenbergia pandurata on xenobiotic-metabolizing enzymes in rat liver, *Drug Metabolism Letters*, **5**(1) 2011, 1-5

528.Page V, Schwitzguebel JP (Nov 2009) Metabolism of sulphonated anthraquinones in rhubarb, maize and celery: the role of cytochromes P450 and peroxidases *Plant Cell Reports* **28**(11) 1725-1735.

529.Yang CQ, Lu S, Mao YB, et al. (Jan 2010) Characterization of two NADPH: Cytochrome P450 reductases from cotton (*Gossypium hirsutum*) *Phytochemistry* **71**(1) 27-35.

(118) Moskova, I., D. Todorova, **V. Alexieva**, I. Sergiev (2007) Hydrogen peroxide pretreatment alleviates paraquat injuries in pea (*Pisum sativum* L.). *Compt. Rend. Acad. Bulg. Sci.*, **60**(10), 1101-1106, ISSN – 1310-1331.

Times Cited: 1.

530.Шопова Е. (2011) – Дисергация, С.

(119) Sergiev I, Todorova D, Somleva M, **Alexieva V**, Karanov E, Stanoeva E, Lachkova V, Smith A, Hall M (Jun 2007) Influence of cytokinins and novel cytokinin antagonists on the senescence of detached leaves of *Arabidopsis thaliana*; *Biologia Plantarum* **51**(2) 377-380 [IF=0.792].

Times Cited: 4.

531.Blanchard MG, Runkle ES. (Jun 2008) Benzyladenine promotes flowering in *Doritaenopsis* and *Phalaenopsis* orchids; *Journal of Plant Growth Regulation* **27**(2), 141-150.

532.Irving, L.J., Suzuki, Y., Ishida, H., Makino, A. (2010) Protein turnover in grass leaves (book), Advances in Botanical Research, Volume 54(C), 139-182

533.Mayzlish-Gati E, LekKala SP, Resnick N, et al. (Jun 2010) Strigolactones are positive regulators of light-harvesting genes in tomato *Journal of Experimental Botany* **61**(11) 3129-3136.

534.Piotrowska A, Czerpak R. (May 2009) Cellular response of light/dark-grown green alga *Chlorella vulgaris* Beijerinck (Chlorophyceae) to exogenous adenine- and phenylurea-type cytokinins *Acta Physiologiae Plantarum* **31**(3) 573-585.

(121) Shu Hsien Hung, Chun Chi Wang, Sergei Veselinov Ivanov, **Vera Alexieva**, Chih Wen Yu (2007) Repetition of hydrogen peroxide treatment induces a chilling tolerance comparable to cold acclimation in mung bean, *Journal of the American Society for Horticultural Science*, **132**: 770-776. [IF=1.147].

Times Cited: 4.

535.Maruthasalam, S., Liu, Y.L., Sun, C.M., Chen, P.Y., Yu, C.W., Lee, P.F., Lin, C.H. (2010) Constitutive expression of a fungal glucose oxidase gene in transgenic tobacco confers chilling tolerance through the activation of antioxidative defence system, *Plant Cell Reports*, **29**(9) pp. 1035-1048

536. Wang, L., Chen, W.J., Wang, Q., Eneji, A.E., Li, Z.H., Duan, L.S. (2009) Coronatine enhances chilling tolerance in cucumber (*Cucumis sativus* L.) seedlings by improving the antioxidative defence system. *Journal of Agronomy and Crop Science* **195**(5), 377-383.
537. Wang YP, He WL, Huang HY, et al. (Jul 2009) Antioxidative responses to different altitudes in leaves of alpine plant *Polygonum viviparum* in summer. *Acta Physiologiae Plantarum* **31**(4) 839-848.
538. Yang, H., Wu, F., Cheng, J., Reduced chilling injury in cucumber by nitric oxide and the antioxidant response, Food Chemistry, Volume 127, Issue 3, 1 August 2011, Pages 1237-1242

(122) Todorova D, Sergiev I, **Alexieva V**, Karanov E, Smith A, Hall M (Mar 2007) Polyamine content in *Arabidopsis thaliana* (L.) Heynh during recovery after low and high temperature treatments: *Plant Growth Regulation* **51**(3) 185-191 [IF=0.841].

Times Cited: 9.

539. Cvirková, M., Gemperlová, L., Dobrá, J., Martincová, O., Prásil, I.T., Gubis, J., Vanková, R. (2012) Effect of heat stress on polyamine metabolism in proline-over-producing tobacco plants, *Plant Science* **182**(1), pp. 49-58
540. Bibi AC, Oosterhuis DM, Gonias ED (Jun 2010) Exogenous Application of Putrescine Ameliorates the Effect of High Temperature in *Gossypium hirsutum* L. Flowers and Fruit Development *Journal of Agronomy and Crop Science* **196**(3) 205-211.
541. Ding CX, Shi GX, Xu XY, et al. (Jan 2010) Effect of exogenous spermidine on polyamine metabolism in water hyacinth leaves under mercury stress *Plant Growth Regulation*, **60**(1) 61-67.
542. Duan JJ, Li J, Guo SR, et al. (2008) Exogenous spermidine affects polyamine metabolism in salinity-stressed *Cucumis sativus* roots and enhances short-term salinity tolerance: *Journal of Plant Physiology*, **165**(15) 1620-1635.
543. Gao, H., Jia, Y., Guo, S., Lv, G., Wang, T., Juan, L. (July 2011) Exogenous calcium affects nitrogen metabolism in root-zone hypoxia-stressed muskmelon roots and enhances short-term hypoxia tolerance, *Journal of Plant Physiology*, Volume 168, Issue 11, 15, Pages 1217-1225
544. Goyal M, Asthir B (Jan 2010) Polyamine catabolism influences antioxidative defense mechanism in shoots and roots of five wheat genotypes under high temperature stress *Plant Growth Regulation*, **60**(1) 13-25.
545. Yiu JC, Liu CW, Fang DYT, et al. (Aug 2009) Waterlogging tolerance of Welsh onion (*Allium fistulosum* L.) enhanced by exogenous spermidine and spermine. *Plant Physiology and Biochemistry*, **47**(8), 710-716 Publ.
546. Катерова, З. (2008) – Дисертация, София.
547. Yiu JC, Juang LD, Fang DYT, et al. (May 2009) Exogenous putrescine reduces flooding-induced oxidative damage by increasing the antioxidant properties of Welsh onion. *Scientia Horticulturae*, **120**(3), 306-314 Publ.

(128) Djilianov, D., S. Ivanov, T. Georgieva, D. Moyankova, S. Berkov, G. Petrova, P. Mladenov, N. Christov, N. Hristozova, D. Peshev, M. Tchorbadjieva, **V. Alexieva**, A. Tosheva, M. Nikolova, I. Ionkova, W. van den Ende (2009) A Holistic approach to resurrection plants. *Haberlea rhodopensis - A case study. Biotechnology & Biotechnological Equipment*, **23**(4), 1414-1416.

Times Cited: 3.

548. Ebrahimi, S.N., Gafner, F., Dell'Acqua, G., Schweikert, K., Hamburger, M., Flavone 8-C-glycosides from *Haberlea rhodopensis* friv. (Gesneriaceae), *Helvetica Chimica Acta*, Volume 94, Issue 1, January 2011, Pages 38-45
549. Toldi, O., Dancs, G., Dobrányi, S., Gyuricza, C., Gémesi, Z., Scott, P. Biotechnological approach in exploring vegetative desiccation tolerance: From aseptic culture to molecular breeding, *Acta Biologica Hungarica* Vol 61(1), 1 January 2010, Pages 206-217
550. Toldi O, Tuba Z, Scott P (Mar-Apr 2010) Can lessons learned from resurrection plants be extended over crop plant species? *Romanian Biotechnological Letters* **15**(2) Sp. Iss. SI Suppl. S 3-11 Sp. Iss. SI Suppl. S.

(129) Katerova Z., S. Ivanov, S. Mapelli, **V. Alexieva** (2009) Phenols, proline and low-molecular thiol levels in pea (*Pisum sativum*) plants respond differently toward prolonged exposure to ultraviolet-B and ultra-violet-C radiations. *Acta Physiol Plant*, **31**(1), 111-117, IF (2007) 0.295

Times Cited: 4.

551. Najeeb, U., Xu, L., Ahmed, Z.I., Rasheed, M., Jilani, G., Naeem, M.S., Shen, W., Zhou, W., (Mar 2011) Ultra-violet-C mediated physiological and ultrastructural alterations in *Juncus effusus* L. shoots, *Acta Physiologiae Plantarum* **33**(2), pp. 481-488

- 552.Rai, R., Meena, R.P., Smita, S.S., Shukla, A., Rai, S.K., Pandey-Rai, S. (2011) UV-B and UV-C pre-treatments induce physiological changes and artemisinin biosynthesis in *Artemisia annua* L. - An antimalarial plant *Journal of Photochemistry and Photobiology B: Biology* **105**(3), pp. 216-225
- 553.Tripathi, R., Sarkar, A., Pandey Rai, S., Agrawal, S.B., (Jan 2011) Supplemental ultraviolet-B and ozone: Impact on antioxidants, proteome and genome of linseed (*Linum usitatissimum* L. cv. Padmini), *Plant Biology*, **13**(1), pp. 93-104

554.Шопова Е. (2011) – Дисертация, С.

(130) Katerova, Z., Ivanov S., Prinsen E., Van Onckelen H., Alexieva V., Azmi A. (2009) Low doses of ultraviolet-B or ultraviolet-C radiation affect ACC, ABA and IAA levels in young pea plants. *Biologia Plantarum*, **53**(2), 365–368.

Times Cited: 2.

- 555.Najeeb, U., Xu, L., Ahmed, Z.I., Rasheed, M., Jilani, G., Naeem, M.S., Shen, W., Zhou, W., Ultraviolet-C mediated physiological and ultrastructural alterations in *Juncus effusus* L. shoots, *Acta Physiologae Plantarum* Volume 33, Issue 2, March 2011, Pages 481-488
- 556.Tripathi, R., Sarkar, A., Pandey Rai, S., Agrawal, S.B., Supplemental ultraviolet-B and ozone: Impact on antioxidants, proteome and genome of linseed (*Linum usitatissimum* L. cv. Padmini), *Plant Biology*, Volume 13, Issue 1, January 2011, Pages 93-104

(131) Moskova, I., D. Todorova, V. Alexieva, S. Ivanov, I. Sergiev (2009) Effect of exogenous hydrogen peroxide on enzymatic and nonenzymatic antioxidants in leaves of young pea plants treated with paraquat. *Plant Growth Regulation* **57**(2), 193-202 [IF=0.903].

Times Cited: 10.

- 557.Aftab T., Masroor M. A. Khan, Idrees Mohd., Naeem M. and Hashmi N., et al. (2011) Growth, photosynthetic efficiency and metabolic alterations associated with exogenous hydrogen peroxide in *Artemisia annua*: Overproduction of artemisinin, *Russian Agricultural Sciences*, **37**(3), 212-219
- 558.Benabdellah K, Ruiz-Lozano JM, Aroca R (Aug 2009) Hydrogen peroxide effects on root hydraulic properties and plasma membrane aquaporin regulation in *Phaseolus vulgaris* *Plant Molecular Biology*, **70**(6) 647-661.
- 559.Katerova, Z., Miteva, L. (2010) Glutathione and herbicide resistance in plants. In: Ascorbate – glutathione pathway and stress tolerance in plants, Eds. Anjum N.A., S. Umar, M.-T. Chan, Springer Science+Business Media, DOI 10.1007/978-90-481-9404-9_6, Ch. 6, pp. 191-207 (Book).
- 560.Krezhova D, Iliev I, Yanev T, et al. (2009) Assessment of the effect of salinity on the early growth stage of soybean plants (*Glycine max* L.) RAST 2009: *Proceedings of the 4th International Conference on Recent Advances in Space Technologies* 397-402.
- 561.Krezhova, D.D., Kirova, E.B., Yanev, T.K., Iliev, I.T. (2009) Effects of salinity on leaf spectral reflectance and biochemical parameters of nitrogen fixing soybean plants (*Glycine max* L.) *AIP Conference Proceedings* **1203**, 694-699.
- 562.Kumar, M., Sirhind, G., Bhardwaj, R., Kumar, S., Jain, G, (Dec 2010) Effect of exogenous H₂O₂ on antioxidant enzymes of *Brassica juncea* L. seedlings in relation to 24-epibrassinolide under chilling stressstress, *Indian Journal of Biochemistry and Biophysics* **47**(6), pp. 378-382
- 563.Michalowicz J, Duda W (2009) The Effects of 2,4,5-Trichlorophenol on Some Antioxidative Parameters and the Activity of Glutathione S-Transferase in Reed Canary Grass Leaves (*Phalaris arundinacea*) *Polish Journal of Environmental Studies*, **18**(5) 845-852.
- 564.Qiu, C., Ji, W., Guo, Y. (2011) Effects of high temperature and strong light on chlorophyll fluorescence, the D1 protein, and Deg1 protease in Satsuma mandarin, and the protective role of salicylic acid *Shengtai Xuebao/ Acta Ecologica Sinica* **31**(13), pp. 3802-3810

565.Бранкова, Л. (2010) – Дисертация, София.

566.Шопова Е. (2011) – Дисертация, С.

(133) 136.Miteva L., Ivanov S., Alexieva V. (2010) Alterations in glutathione pool and some related enzymes in leaves and roots of Pea plants treated with the herbicide glyphosate. *Russian Journal of Plant Physiology*, 57(1), 131-136.

Times Cited: 3.

567.Gar'kova, A.N., Rusyaeva, M.M., Nushtaeva, O.V., Aroslankina, Y.N., Lukatkin, A.S. (2011) Treatment with the herbicide granstar induces oxidative stress in cereal leaves *Russian Journal of Plant Physiology* 58(6), pp. 1074-1081

568.Çavuşoğlu, K., Yalçın, E., Türkmen, Z., Yapar, K., Çavuşoğlu, K., Çiçek, F. (2011) Investigation of toxic effects of the glyphosate on allium cepa, *Tarım Bilimleri Dergisi* 17(2) , pp. 131-142

569.Шопова Е. (2011) – Дисертация, С.

Авторски свидетелства

Алексиева, В., В. Лачкова, А. Хусеин, И. Сергиев, Е. Каанов, Авт. свидетелство на България, рег. № 96997/20.10.1992).

Times Cited: 1.

570.Генков, Т., Кандидатска дисертация, С., 1998.

Каанов, Е., Алексиева, В., Авт. свидетелство на България, №40160/1985 (рег. №70916/1985)

Times Cited: 7.

571.Pandev, S., Bulg. J. Plant Physiol., 1997, 23(3-4), 91-99;

572.Petkova, S., Y. Angelova - Field Crop Research, 38, 1994, 175-179.

573.Petkova, S., Y. Angelova, N. Karavaiko, Plant Physiol., S., XVIII, 1992, 3, 3-7;

574.Генчев С., В. Петкова, Г. Василев, Х. Симиџиев, И. Димов, Физиология на растенията, т. 8, ч. II С., 1990, 457-464.

575.Тодоров Д., - Кандидатска дисертация, С., 1993

576.Lachkova, V., G. Petrov, Phosphorus, sulfure and Silicon, vol. 48, 1990, 227-233;

577.Али Хамза Хусеин, Кандидатска дисертация, “Синтез на нови физиологичноактивни съединения от карбамиден и фосфонамиден тип”, С., Химически факултет на СУ, 1993;

Лачкова, В., В. Алексиева, Г. Петров, Авт. свидетелство на България, №47573/1989; рег. №87321/1989

Times Cited: 1.

578.Али Хамза Хусеин, Кандидатска дисертация, “Синтез на нови физиологичноактивни съединения от карбамиден и фосфонамиден тип”, С., Химически факултет на СУ, 1993;