

СПИСЪК НА ПУБЛИКАЦИИТЕ
на доц д-р Лиляна Георгиева Гигова за целия период на научно-изследователска дейност

I. Публикации, свързани със защита на дисертация за придобиване на научната степен „доктор”

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2. Ivanov, I., L. Gigova, 1985. Isolation of λ phage DNA by hydroxylapatite chromatography. *Analyt. Biochem.*, 146: 389-392. ISSN: 0003-2697. **IF 2.996**
3. Ivanov, I., L. Gigova, 1986. RNA colony hybridization method. *Gene*, 46: 287-290. ISSN: 0378-1119. **IF 2.341**
4. Ivanov, I., L. Gigova, E. Jay, 1987. Chemical synthesis and expression in *E. coli* of a human Val⁸-calcitonin gene by fusion to a synthetic human interferon- γ gene. *FEBS Letters*, 210: 56-60. ISSN: 0014-5793. **IF 3.538**
5. Ivanov, I., L. Javashvili, L. Gigova, K. Alexiev, C. Christov, 1988. A conditional high-copy-number plasmid derivative of pBR322. *Microbiologica*, 11: 95-99. ISSN: 0391-5352. **IF 0.500**
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Общ импакт фактор – 10.909 по данни за 2011 г., за статия №5 - по данни за 2003 г.

II. Публикации, свързани с хабилиране за „старши научен сътрудник II степен (доцент) по биохимия:

8. Selenska-Trajkova, S., G. Radeva, L. Gigova, K. Markov, 1990. Localization of *nif* genes on large plasmids in *Rhizobium galegae*. *Lett. Appl. Bacteriol.*, 11: 73-76. ISSN: 0266-8254. **IF 1.620**

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10. **Gigova, L.,** G. Ignatov, V. Vassileva, **1994.** Physiological and genetic characteristics of fast- and slow-growing rhizobia that nodulate soybean. *Compt. Rend. Acad. Bulg. Sci.*, 47(4): 73-76. ISSN: 0861-1459.
11. **Gigova, L.,** G. Radeva, N. Petrova, V. Ilieva, S. Selenska, **1994.** Effect of He-Ne laser irradiation on the symbiotic properties of *Rhizobium meliloti* 114S. *Compt. Rend. Acad. Bulg. Sci.*, 47(4): 93-96. ISSN: 0861-1459.
12. Vassileva, V., G. Ignatov, **L. Gigova,** Tz. Tzonev, **1994.** Influence of soybean plants inoculation with fast-growing and slow-growing rhizobial strains on the photosynthetic intensity, transpiration and stomatal resistance. *Compt. Rend. Acad. Bulg. Sci.*, 47(6): 57-59. ISSN: 0861-1459.
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15. Petrova, N., G. Ignatov, V. Vassileva, **L. Gigova,** **1995.** Symbiotic effectiveness of antibiotic-resistant mutants of rhizobial strains nodulating *Galega officinalis*. *Compt. Rend. Acad. Bulg. Sci.*, 48(3): 103-106. ISSN: 0861-1459.
16. Selenska-Pobell, S., **L. Gigova,** N. Petrova, **1995.** Strain specific fingerprints of *Rhizobium galegae* generated by PCR with arbitrary and repetitive primers. *J. Appl. Bacteriol.*, 79: 425-431. ISSN: 0021-8847. **IF 2.196**
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30. Gigova, L., N. Petrova, S. Dimova, D. Staneva, **2007.** Existence of *Sinorhizobium meliloti* genomic fragment hybridizing with the *nifM* gene of *Klebsiella pneumoniae*. *Folia Microbiologica*, 52(4): 447-448. ISSN: 1874-9356. **IF 0.677**

Общ импакт фактор – 19.727 по данни за 2011 г., за 2 статии (19 и 20) - по данни за 2003 г.

III. Публикации, след хабилитиране за старши научен сътрудник II степен (доцент)

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35. Stankova, K., K. Ivanova, V. Nikolov, K. Minkova, L. Gigova, R. Georgieva, R. Boteva, 2011. The biliprotein C-phycoerythrin modulates the DNA damage response in lymphocytes from nuclear power plant workers. *Nuclear Power - Operation, Safety and Environment*, Pavel Tsvetkov (Ed.) ISBN: 978-953-307-507-5, InTech, Available from: <http://www.intechopen.com/articles/show/title/the-biliprotein-c-phycoerythrin-modulates-the-dna-damage-response-in-lymphocytes-from-nuclear-power-pl>

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- 39. Gigova, L.,** N. Ivanova, G. Gacheva, R. Andreeva, S. Furnadzhieva, **2012.** Response of *Trachydiscus minutus* (Xanthophyceae) to temperature and light. *J. Phycol.*, 48(1): 85-93. ISSN: 1529-8817. **IF 2.071**
- 40.** Gardeva, E., R. Toshkova, L. Yossifova, K. Minkova, **L. Gigova, 2012.** Cytotoxic and apoptogenic potential of red microalgal polysaccharides. *Biotechnol. Biotechnol. Equip.*, 26(4): 3167-3172. ISSN: 1310-2818. **IF 0.760**
- 41. Gigova, L.,** G. Gacheva, N. Ivanova, P. Pilarski, **2012.** Effects of temperature on *Synechocystis* sp. R10 (Cyanoprocarvota) at two irradiance levels. I Effect on the growth, biochemical composition and defense enzyme activities. *Genet. Plant Physiol.*, 2(1-2): 24-37. ISSN: 1314-5770.
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- 43.** Гъчева, Г., Н. Иванова, И. Илиев, П. Пиларски, Р. Тошкова, Е. Гърдева, Л. Йосифова, И. Цветкова, В. Късовски, Х. Найденски, **Л. Гигова, 2012.** Влияние на култивационните условия върху производството и биологичната активност на ценни метаболити от цианобактерията *Synechocystis* sp. R10. В сборник на VII национална конференция по ботаника, 29-30 септември 2011 г. София, pp. 485-496. *Bulg. Bot. Soc.*, Sofia. ISBN: 978-954-92808-2-1.
- 44.** Илиев, И., Г. Гъчева, **Л. Гигова,** Г. Петков, Р. Тошкова, Е. Гърдева, Л. Йосифова, Х. Найденски, В. Късовски, **2012.** Биологична активност на мастни киселини от цианобактерията *Gloeocapsa* sp., отглеждана при различни условия. В сборник на VII национална конференция по ботаника, 29-30 септември 2011 г. София, pp. 477-483. *Bulg. Bot. Soc.*, Sofia. ISBN: 978-954-92808-2-1.
- 45.** Gacheva, G., **L. Gigova,** N. Ivanova, I. Iliev, R. Toshkova, E. Gardeva, V. Kussovski, H. Najdenski, **2013.** Suboptimal growth temperatures enhance the biological activity of cultured cyanobacterium *Gloeocapsa* sp. *J. Appl. Phycol.*, 25: 183-194. ISSN: 0921-8971. **IF 2.411**
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47. Gacheva, G., **L. Gigova**, N. Ivanova, P. Pilarski, J. Lukavský, **2013**. Growth, biochemical and enzymatic responses of thermal cyanobacterium *Gloeocapsa* sp. (Cyanophyta) to temperature and irradiance. *Phycol. Res.*, 61: 217–227. ISSN: 1440-1835. **IF 1.543**
48. **Gigova, L.**, N. Ivanova, **2014**. Responses of *Symploca* sp. (Cyanobacteria) to nitrogen depletion during culturing. *Compt. Rend. Acad. Bulg. Sci.*, 67(1): 43-48. ISSN: 1310-1331. **IF 0.210**
49. Gardeva, E., R. Toshkova, L. Yossifova, K. Minkova, N. Ivanova, **L. Gigova**, **2014**. Antitumor activity of C-Phycocyanin from *Arthronema africanum* (Cyanophyceae). *Braz. Arch. Biol. Technol.*, 57(5): 675-684. ISSN: 1678-4324. **IF 0.551**
50. Gacheva, G., **L. Gigova**, **2014**. Biological activity of microalgae can be enhanced by manipulating the cultivation temperature and irradiance. *Cent. Eur. J. Biol.*, 9(12): 1168-1181. ISSN: 1644-3632. **IF 1.00**
51. **Gigova, L.**, R. Toshkova, N. Ivanova, L. Yossifova, E. Gardeva, **2014**. Antitumor activity of *Streptomyces* sp. (Actinobacteria) polysaccharide. *Compt. Rend. Acad. Bulg. Sci.*, 67(9): 1257-1264. ISSN: 1310-1331. **IF 0.210**
52. **Gigova, L.**, S. Apostolova, L. Yossifova, A. Georgieva, R. Toshkova, N. Ivanova, K. Minkova, **2015**. Experimental tumor models display different susceptibility to C-phycocyanin. Article in Proceedings of the fifth workshop on experimental models and methods in biomedical research. April 7-9, 2014, Sofia, Bulgaria. BO14, ISSN 1314-9091.
53. **Gigova, L.**, N. Ivanova, **2015**. Microalgae respond differently to nitrogen availability during culturing. *J. Biosci.*, 40(2): 365-374. DOI 10.1007/s12038-015-9510-z. ISSN: 0973-7138. **IF 1.648**

Общ импакт фактор - 20.458 по данни за 2011 г.

Общ импакт фактор на всички трудове - 10.909 + 19.727 + 20.458 = 51.094