

Dr. Pusztahelyi Tünde tudományos publikációi:

1. **Pusztahelyi, T.**, Pócsi, I., Kozma, J. and Szentirmai, A. (1997) Ageing of *Penicillium chrysogenum* cultures under carbon starvation. I. Morphological changes and secondary metabolite production. *Biotechnol. Appl. Biochem.* 25, 81-86. **Impakt faktor: 0,885**
2. **Pusztahelyi, T.**, Pócsi, I. and Szentirmai, A. (1997) Ageing of *Penicillium chrysogenum* cultures under carbon starvation. II. Protease and N-acetyl- β -D-hexosaminidase production. *Biotechnol. Appl. Biochem.* 25, 87-93. **Impakt faktor: 0,885**
3. Sándor, E., **Pusztahelyi, T.**, Karaffa, L., Karányi, Zs., Pócsi, I., Biró, S., Szentirmai, A. and Pócsi, I. (1998) Allosamidin inhibits the fragmentation of *Acremonium chrysogenum* but does not influence the cephalosporin-C production of the fungus. *FEMS Microbiol. Lett.* 164, 231-236. **Impakt faktor: 1,581**
4. Pócsi, I., Pócsi, I. and **Pusztahelyi, T.** (1999) Physiological and enzymological characterization of the β -N-acetylhexosaminidase of *Penicillium chrysogenum*. *J. Basic Microbiol.* 39, 177-187. **Impakt faktor: 0,753**
5. Pócsi, I., Sámi, L., Leiter, É., Majoros, L., Szabó, B., Emri, T. and **Pusztahelyi, T.** (2001) Searching for new-type antifungal drugs. *Acta Microbiol. Immunol. Hung.* 48, 533-543.
6. Sámi, L., **Pusztahelyi, T.**, Emri, T., Varecza, Z., Fekete, A., Grallert, Á., Karányi, Z., Kiss, L. and Pócsi, I. (2001) Autolysis and ageing of *Penicillium chrysogenum* cultures under carbon starvation: chitinase production and antifungal effect of allosamidin. *J. Gen. Appl. Microbiol.* 47, 201-211. **Impakt faktor: 0,512**
7. Emri, T., Oláh, B., Sámi, L., Molnár, Z., Nagy, M., **Pusztahelyi, T.** and Pócsi, I. (2002) Investigation of glutathione metabolism in filamentous fungi. *Acta Microbiol. Immunol. Hung.* 49, 267-276.
8. Mádi, A., **Pusztahelyi, T.**, Punyiczki, M. and Fésüs, L. (2003) The biology of the post-genomic era: the proteomics. *Acta Biol. Hung.* 54, 1-14. **Impakt faktor: 0,309**
9. Pócsi, I., **Pusztahelyi, T.**, Sámi, L. and Emri, T. (2003) Autolysis of *Penicillium chrysogenum* - a holistic approach. *Ind. J. Biotechnol.*, 2, 293-301.
10. Emri, T., Molnár, Zs., **Pusztahelyi, T.** and Pócsi, I. (2004) Physiological and morphological changes in autolyzing *Aspergillus nidulans* cultures. *Folia Microbiol.* 49, 277-284. **Impakt faktor: 1,034**
11. Emri, T., Molnár, Zs., **Pusztahelyi, T.**, Rosén, S. and Pócsi, I. (2004) Effect of vitamin E on autolysis and sporulation of *Aspergillus nidulans*. *Appl. Biochem. Biotechnol.* 118, 337- 348. **Impakt faktor: 0,907**
12. Leiter, É., Marx, F., **Pusztahelyi, T.**, Haas, H. and Pócsi, I. (2004) *Penicillium chrysogenum* glucose oxidase - a study on its antifungal effects. *J. Appl. Microbiol.* 97, 1201-1209. **Impakt faktor: 1,835**
13. Binod, P., **Pusztahelyi, T.**, Nagy, V., Sandhya, C., Szakács, G., Pócsi, I. and Pandey, A. (2005) Production and purification of extracellular chitinases from *Penicillium aculeatum* NRRL 2129 under solid-state fermentation. *Enzyme Microb. Technol.* 36, 880-887. **Impakt faktor: 1,705**
14. Emri, T., Molnár, Zs., **Pusztahelyi, T.**, Varecza, Z. and Pócsi, I. (2005) The FluG-BrlA pathway contributes to the initialisation of autolysis in submerged *Aspergillus nidulans* cultures. *Mycol. Res.* 109, 757-763. **Impakt faktor: 1,572**
15. Leiter, É., Szappanos, H., Oberparleiter, C., Kaiserer, L., Csernoch, L., **Pusztahelyi, T.**, Emri, T., Pócsi, I., Salvenmoser, W. and Marx, F. (2005) The antifungal protein PAF severely affects the integrity of the plasma membrane of *Aspergillus nidulans* and induces an apoptosis-like phenotype. *Antimicrob. Chemother.* 49, 2445-2453. **Impakt faktor: 4,379**
16. Pócsi, I., Miskei, M., Karányi, Z., Emri, T., Ayoubi, P., **Pusztahelyi, T.**, Balla, G. and Prade, R.A. (2005) Comparison of gene expression signatures of diamide, H₂O₂ and MSB exposed *Aspergillus nidulans* cultures - linking genome-wide transcriptional changes to cellular physiology. *BMC Genomics* 6, Article No: 182. **Impakt faktor: 4,092**
17. May, A., **Pusztahelyi, T.**, Hoffmann, N., Fischer, R.J. and Bahl, H. (2006) Mutagenesis of conserved charged amino acids in SLH domains of *Thermoanaerobacterium thermosulfurigenes* EM1 affects attachment to cell wall sacculi. *Arch Microbiol.* 185, 263-269. **Impakt faktor: 1,820**
18. Emri, T., Molnár, Zs., Veres, T., **Pusztahelyi, T.**, Dudás, G. and Pócsi, I. (2006) Glucose-mediated repression of autolysis and conidiogenesis in *Emericella nidulans*. *Mycol. Res.* 110, 1172-1178. **Impakt faktor: 1,860**
19. Molnár, Zs., Emri, T., Zavaczki, E., **Pusztahelyi, T.** and Pócsi, I. (2006) Effects of mutations in the GanB/RgsA G protein mediated signaling on the autolysis of *Aspergillus nidulans*. *J. Basic Microbiol.* 46, 495-603. **Impakt faktor: 0,722**
20. **Pusztahelyi, T.**, Molnár, Z., Emri, T., Klement, É., Miskei, M., Kerékgyártó, J., Balla, J. and Pócsi, I. (2006) Comparative studies of differential expression of chitinolytic enzymes encoded by *chiA*, *chiB*, *chiC* and *nagA* genes in *Aspergillus nidulans*. *Folia Microbiol.* 51, 547-554. **Impakt faktor: 0,963**

21. Varecza, Z., Emri, T., **Pusztahelyi, T.** and Pócsi, I. (2006) A novel aspect of NADPH production in ageing *Penicillium chrysogenum*. *Acta Biol. Hung.* 57, 115-121. **Impakt faktor: 0,688**
22. Pócsi, I., Molnár, Zs., **Pusztahelyi, T.**, Varecza, Z. and Emri, T. (2007) Yeast-like cell formation and glutathione metabolism in autolysing cultures of *Penicillium chrysogenum*. *Acta Biol. Hung.* 58, 431-440. **Impakt faktor: 0,447**
23. Pócsi, I., Leiter, É., Kwon, N.J., Shin, K.S., Kwon, G.S., **Pusztahelyi, T.**, Emri, T., Abuknesha, R.A., Price, R.G. and Yu, J.H. (2009) Asexual sporulation signaling regulates autolysis of *Aspergillus nidulans* via modulating the chitinase ChiB production. *J. Appl. Microbiol.* 107, 514-523. **Impakt faktor: 2,098**
24. **Pusztahelyi, T.**, Klement, É., Szajli, E., Klem, J., Miskei, M., Karányi, Z., Emri, T., Kovács, S., Orosz, G., Kovács, K.L., Medzihradzky, K.F., Prade, R.A. and Pócsi, I. (2011) Comparison of transcriptional and translational changes caused by long-term menadione exposure in *Aspergillus nidulans*. *Fungal Genet. Biol.* 48, 92-103. **Impakt faktor: 3,333**