

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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Διδασκαλία

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1993-1997, Μέλος του Επιστημονικού Συμβουλίου του ΕΘΙΑΓΕ

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Ερευνητικά Προγράμματα

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Ερευνητικές Δημοσιεύσεις

1. Diamantopoulos PD, Aivalakis G, Flemetakis E, **Katinakis P.** (2013). Expression of three β -type carbonic anhydrases in tomato fruits. *Mol Biol Rep.* 40: 4189-4196.
2. Tsikou D, Kalloniati, C., Fotelli MN, Nikolopoulos D, **Katinakis, P,** Udvardi MK, Rennenberg H, Flemetakis E. (2013) Cessation of photosynthesis in *Lotus japonicus* leaves leads to reprogramming of nodule metabolism *J Exper. Botany* 64:1317-1322
3. Vezyri E, Venieraki A, Dimou M, Chatzipavlidis I, Tampakaki A, **Katinakis P.** (2013) Phylogenetic Analysis of *Azospirillum* Species Isolated from the Rhizosphere of Field-Grown Wheat Based on Genetic and Phenotypic Features, in *Molecular Microbial Ecology of the Rhizosphere: Volume 1 & 2* (ed F. J. de Bruijn), John Wiley & Sons, Inc., Hoboken, NJ, USA. doi: 10.1002/9781118297674.ch19
4. Tsaniklidis G, Delis C, Liakopoulos G, Karapanos I, **Katinakis P,** Passam HC, Aivalakis G (2012) Induced parthenocarpic cherry tomato fruits did not shown significant differences in l-ascorbate content but showed different pattern in GalLDH and GME expression. *Plant Growth Regul.* 68:493-502
5. Dimou M, Zografou C, Venieraki A, **Katinakis P** (2012) Functional interaction of *Azotobacter vinelandii* cytoplasmic cyclophilin with the biotin carboxylase subunit of acetyl-CoA carboxylase. *Biochem. Biophys. Res. Commun.* 424:736-9
6. Dimou M, Zografou C, Venieraki A, **Katinakis P** (2012) Biochemical characterization of two *Azotobacter vinelandii* FKBP and analysis of their interaction with the small subunit of carbamoyl phosphate synthetase. *Mol. Biol. Rep.* DOI: 0.1007/s11033-012-1869-4
7. Fasseas MK, Dimou M, **Katinakis P** (2012) The *Caenorhabditis elegans* parvulin gene subfamily and their expression under cold or heat stress along with the fkb subfamily. *Biochem. Biophys. Res. Commun.* 423(3):520-5
8. Christoforides E, Dimou M, **Katinakis P,** Bethanis K and Karpusas M (2012) Structure of a bacterial cytoplasmic cyclophilin A in complex with a tetrapeptide. *Acta Cryst.* F68: 259-264

9. Fotiadis CT, Dimou M, Georgakopoulos DG, **Katinakis P**, Tampakaki AP (2012) Functional characterization of NopT1 and NopT2, two type III effectors of *Bradyrhizobium japonicum*. *FEMS Microbiol. Lett.* 327(1):66-77
10. Dimou M, Zografou C, Venieraki A, **Katinakis P** (2011) Transcriptional and biochemical characterization of two *Azotobacter vinelandii* FKBP family members. *J. Microbiol.* 49(4):635-640
11. Venieraki A, Dimou M, Vezyri E, Kefalogianni I, Argyris N, Liara G, Pergalis P, Chatzipavlidis I, **Katinakis P** (2011) Characterization of nitrogen-fixing bacteria isolated from field-grown barley, oat, and wheat. *J. Microbiol.* 49(4):525-534
12. Dimou M, Venieraki A, Zografou C, **Katinakis P** (2012) The cytoplasmic cyclophilin from *Azotobacter vinelandii* interacts with phosphate acetyltransferase isoforms enhancing their *in vitro* activity. *Mol. Biol. Rep.* 39:4135-4143
13. Dimou M, Venieraki A, Liakopoulos G, Kouri DE, Tampakaki A, **Katinakis P** (2011) Gene expression and biochemical characterization of *Azotobacter vinelandii* and protein interaction studies of the cytoplasmic isoform with dnaK and lpxH. *J. Mol. Microb. Biotech.* 20(3):176-190
14. Tani E, Tsaballa A, Stedel C, Kalloniati C, Papaefthimiou D, Polidoros A, Darzentas N, Ganopoulos I, Flemetakis E, **Katinakis P**, Tsaftaris A (2011) The study of a SPATULA-like bHLH transcription factor expressed during peach (*Prunus persica*) fruit development. *Plant Physiol. Biochem.* 49(6):654-63
15. Fotelli MN, Tsikou D, Kolliopoulou A, Aivalakis G, Katinakis P, Udvardi MK, Rennenberg H, Flemetakis E (2011) Nodulation enhances dark CO₂ fixation and recycling in the model legume *Lotus japonicus*. *J. Exp. Bot.* 62(8):2959-71
16. Tsikou D, Stedel C, Kouri ED, Udvardi MK, Wang TL, **Katinakis P**, Labrou NE, Flemetakis E (2011) Characterization of two novel nodule-enhanced α -type carbonic anhydrases from *Lotus japonicus*. *Biochim. Biophys. Acta.* 1814(4):496-504
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21. Fasseas MK, Tsikou D, Flemetakis E, **Katinakis P** (2010) Molecular and biochemical analysis of the beta class carbonic anhydrases in *Caenorhabditis elegans*. *Mol. Biol. Rep.* 37(6):2941-50
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23. Tsiplakou E, Flemetakis E, Kalloniati C, Papatthomichelakis G, **Katinakis P**, Zervas G (2009) Sheep and goat differences in CLA and fatty acids milk fat content in relation with mRNA srtearoyl-CoA desaturase and lipogenic genes expression in their mammary gland. *J. Dairy Research.* 76:392-401
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38. Dimou M, Flemetakis E, Delis C, Aivalakis G, Spyropoulos KG, **Katinakis P** (2005) Co-expression of two sugar transporters in primary and lateral roots of etiolated *Glycine max* seedlings. *Plant Growth Regulation.* 35:259-266
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