



Dr. Eleni Giannoutsou

Biologist, PhD

Department of Botany

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I. Personal information

Name	:	Eleni Giannoutsou
Date of birth	:	2 November 1972
Place of birth	:	Athens
Family status	:	Married, 3 children
Current contact address	:	National and Kapodistrian University of Athens, Faculty of Biology, Dept. of Botany, Athens 157 81 (Tel. 210-7274203, E-mail: egianno@biol.uoa.gr .)
Residence	:	Vryoulon 19, 16232, Athens
Employment history	:	As of December 2001 Scientific Associate at the Department of Botany, Faculty of Biology, National and Kapodistrian University of Athens (Greece).
Education –Graduate School	:	Ursulines School, 1990
University	:	(α) Degree in Biology, National and Kapodistrian University of Athens 1997. (β) PhD in Biological Sciences of National and Kapodistrian University of Athens, 2007 entitled “Olive mill waste management by microbial fermentation” supervised by Prof. Karagouni A.D.
Foreign languages	:	English (Proficiency), French (Sorbonne II)

II. Further training

1995	3 months research visit (Erasmus) at the University of Greenwich, United Kingdom; training on advanced microbiological methods.
1998	3 months research visit at the University of Kent (Imperial College), the University of Reading and the Institute of Food Research (Reading) during the course of IMPROLIVE (FAIR program); training on molecular methods.

III. Teaching Experience

1. Lab courses

2003–2012	Laboratory assistant in the courses of “Introduction to General Botany”, “General Botany”, “Plants Anatomy”, “Plants Metabolism”, “Plants Physiology” (2003-2007)
1997 - 2003	Laboratory assistant in the courses of “General Microbiology” and “Selected Topics in Molecular and Applied Microbiology”

IV. Scientific Publications

1. Original publications in peer-reviewed journals

1. **Giannoutsou E.**, Sotiriou P., Apostolakos P. and Galatis B. (2013) Early local differentiation of the cell wall matrix defines the contact sites in lobed mesophyll cells of *Zea mays*. **Annals of Botany**, in press.
2. **Giannoutsou E.P.**, Galatis B, Zachariadis M., Apostolakos P. (2012) Formation of an endoplasmic reticulum ring associated with acetylated microtubules in the angiosperm preprophase band. **Cytoskeleton**, **69:252-265**.
3. **Giannoutsou E.P.**, Apostolakos P., Galatis B (2011) Actin filament-organized local cortical endoplasmic reticulum aggregations in developing stomatal complexes of grasses. **Protoplasma**, **248 (2):373-90**.

4. **Giannoutsou E.P.**, Katsifas, E.A. Geli, A. and Karagouni A.D. (2012) Protein increase and lysine production by a *Paecilomyces variotii* strain grown on two-phase olive mill waste. **World J Microbiol Biotechnol**, **28:849–856**.
5. Nikolakopoulou T.L., **Giannoutsou E.P.**, Karabatsou A.A. and Karagouni A.D. (2008) Prevalence of tetracycline resistance gene in Greek seawater habitats. **The Journal of Microbiology**, **46:633-640**.
6. Katsifas E.A., **Giannoutsou E.P.**, Lambraki M., Barla M. and Karagouni A.D. (2004) Chromium recycling of tannery waste through microbial fermentation. **Journal of Industrial Microbial Biotechnology**, **31:57-62**.
7. **Giannoutsou E.P.**, Meintanis C. and Karagouni A.D. (2004) Identification of yeast strains isolated from a two-phase decanter system with olive oil waste and investigation of their ability for its fermentation. **Bioresource Technology**, **93:301-306**.
8. Koukaki M., **Giannoutsou E.P.**, Karagouni A.D. and Diallinas G. (2003) A novel improved method for *Aspergillus nidulans* transformation. **Journal of Microbiological Methods**, **55:687-695**.
9. Katsifas E.A., **Giannoutsou E.P.** and Karagouni A.D. (1999) Diversity of streptomycetes species among specific Greek terrestrial ecosystems. **Letters in Applied Microbiology**, **29:48-51**.

2. Presentations in International and National Conferences

1. **Giannoutsou EP**, Galatis B., Zachariads M., Apostolakos P. (2011) Endoplasmic reticulum preprophase band formation in angiosperms. 12th Symposium of the Hellenic Botanical Society, Rethymno, Crete (Speech).
2. **Giannoutsou EP**, Apostolakos P, Galatis B.B. (2009) ER organization in the developing stomatal complexes of grasses. 11th Symposium of the Hellenic Botanical Society, Athens, (Speech).
3. Lympelopoulou D.S., Katsifas E.A., Koraki T.G., Savvides A., **Giannoutsou E.**, Nikolakopoulou T.L., Meintanis C., Chalkou K., Kanini G.S., Delatola E., Fiedler H.P. and Karagouni A.D. (2007) Metabolically and genetically active streptomycetes from important Greek habitats. 14th International Symposium on the Biology of Actinomyces (ISBA-14), p. 188, Newcastle, UK.

4. Niehaus J.U., Baur S., Bayraktar M., Hentsel P., Bister B., Sussmuth R.D., Katsifas E.A., **Giannoutsou E.P.**, Karagouni A.D., Payne G., Goodfellow M. and Fiedler H.P. (2003) New Secondary Metabolites from *Streptomyces Exfoliatus*. 13th International Symposium on the Biology of *Actinomycetes* (ISBA-13.), p. 38, Melbourne, Australia.
5. Karagouni A.D., Katsifas E., Savvides A., Koraki T., **Giannoutsou E.**, Nikolakopoulou T., Chalkou K. and Meintanis C. (2003) The activities of Streptomycetes in Mediterranean regions. 13th International Symposium on the Biology of *Actinomycetes* (ISBA-13), p. 35, Melbourne, Australia.
6. Nikolakopoulou T., **Giannoutsou E.**, Smalla K. and Karagouni A.D. (2001) Exogenous isolation of tetracycline resistance plasmids from environmental samples. 9th International Symposium on Microbial Ecology (ISME-9), p. 394, Amsterdam, The Netherlands.
7. Katsifas E.A., **Giannoutsou E.P.** and Karagouni A.D. (2001) Diversity of streptomycetes strains, producers of secondary metabolites and antibiotics, among specific Greek terrestrial ecosystems. European Culture Collection Organization (ECCO), Heraklion, Greece.
8. Katsifas E.A., **Giannoutsou E.P.** and Karagouni A.D. (2001) Diversity of streptomycetes strains, producers of secondary metabolites and antibiotics, among specific Greek terrestrial ecosystems. European Culture Collection Organization (ECCO), Heraklion, Greece.
9. **Giannoutsou E.P.** and Karagouni A.D. (2001) *Paecilomyces variotii*: a novel strain capable of growing on and transforming olive oil waste. European Culture Collection Organization (ECCO), Heraklion, Greece.
10. Nikolakopoulou T., **Giannoutsou E.**, Smalla K. and Karagouni A.D. (2001) "Monitoring of tetracycline resistance in marine bacteria". 2nd Balkan Conference of Microbiology, p. 248, Thessaloniki, Greece.
11. **Giannoutsou E.** And Karagouni AD. (2000) Production of microbial protein during the fermentation of alpeorujo waste with *Paecilomyces variotii*. 22th Symposium of the Hellenic Society for Biological Sciences, p. 62, Skiathos.
12. Giannoutsou E.P. and **Karagouni A.D.** (2000) Olive oil wastes: could microbial fermentation be the solution? IMPROLIVE 2000: Present and Future of *Alpeorujo*, Seville, Spain.

13. **Giannoutsou E.P.**, Katsifas E.A. and Karagouni A.D. (1998) Diversity of *Streptomyces* species among specific terrestrial ecosystems. 8th International Symposium of Microbial Ecology (ISME-8), p. 160, Halifax, Nova Scotia, Canada.
14. Lambraki M., Giannoutsou E. and Karagouni A.D. (1997) Biotechnological management of olive oil wastes from two-phases extraction. International Symposium The Olive's Wastes, Kalamata
15. **Giannoutsou E.**, Lambraki M. and Karagouni A.D. (1997) Chemical and biological characterization of olive oil wastes from two-phases extraction. International Symposium The Olive's Wastes, Kalamata. (Ομιλία)
16. **Giannoutsou E.**, Lambraki M. and Karagouni A.D. (1997) Chemical and microbial characterization of olive oil waste by the two-phase extraction technique. 11th Forum for Applied Biotechnology, p. 1905, Gent, Belgium.
17. Lambraki M., **Giannoutsou E.** and Karagouni A.D. (1997) Fungal cells as toxicity biosorbents: accumulation of chromium from tannery wastes by *Aspergillus carbonarius* ACTC92. 11th Forum for Applied Biotechnology, p. 1781, Gent, Belgium.

V. Participation in research projects

I have participated as a researcher in the following projects funded by EU or National Sources:

1. Collaboration with Novo Nordisk A/S "Isolation of streptomycete strains from selected ecosystems", (April-June 1995).
2. **IMPROLIVE (FAIR-CT96-1420)** entitled "Improvements of treatments and validation of the liquid-solid waste from the two phases' olive oil extraction".
3. **ETERPS**, Hellenic Ministry for Environment, "Chromium recycling of tannery waste through microbial fermentation", (1998-2000).
4. **NATO Science for stability program**, GR-Carob project "Innovative technology for the economic and ecological valorization of carob beans", 1994-1998.
5. Project of the Research Committee of the University of Athens entitled "Microbial Microbiology and Biotechnology – Microbiological Fermentation" (70/4/4242).
6. National grand from the Committee for the Conservation of Acropolis

Monuments, Greek Ministry of Culture. Titled: "Study of microbial populations on the monuments of Acropolis" 2002-2005.