

CURRICULUM VITAE

NAME: Adamantini Kyriacou
DATE OF BIRTH: 29/01/1963
NATIONALITY: Greek
POSITION TITLE: Assistant Professor in Microbiology, Dept. Dietetics & Nutritional Science, Harokopio University
HOME ADDRESS: 21 Diagora Str., Agios Dimitrios 17343, Greece Tel. +32109709674
BUSINESS ADDRESS: Harokopio University, 70 Eleutheriou Venizelou Str., Kallithea 17671 Tel. +32109549142
e-mail: mkyriacou@hua.gr

❖ *EDUCATION / TRAINING*

1980-1984: BA in Biology, University of Athens, Greece
1989-1994: PhD in Microbiology, Agricultural University of Athens, Greece
1995-1997: Post-Doctoral in Molecular Microbiology, Universite Henri Poincare Nancy I, France.

❖ *PROFESSIONAL EXPERIENCE*

2008- : Assistant Professor in Microbiology, Department of Nutrition and Dietetics, Harokopio University
2001-2008: Lecturer in Microbiology, Department of Nutrition and Dietetics, Harokopio University
1985-2000: Research Assistant, Laboratory of General and Agricultural Microbiology, Agricultural University of Athens

❖ *RESEARCH EXPERIENCE*

Participation in over 20 projects on issues of human gut microbiota (environmental factors influencing the gut microbiota, probiotics, prebiotics, antibiotics) and environmental microbiology, [composting (microbial succession, sanitization), biological waste treatment (olive oil wastewater, table olive wastewater)].

❖ LIST OF PUBLICATIONS

PEER-REVIEWED JOURNALS

1. Lasaridi K.A., Katsabanis G., Kyriacou A., Maggos T., Manios Th., Fountoulakis M., Kalogerakis N., Karageorgos P., Stentiford P. 2010. Assessing Odour Nuisance From Wastewater Treatment and Composting Facilities in Greece. *Waste Management & Research* (in press)
2. Mitsou E., Kirtzalidou E., Pramateftaki P. & Kyriacou A. 2010. Antibiotic resistance in faecal microbiota of Greek healthy infants. *Beneficial microbes*, 1(3): 297-306
3. Mitsou E., Panopoulou N., Turunen K., Spiliotis V. and Kyriacou A. 2010. Prebiotic potential of barley derived β -glucan at low intake levels: a randomized, double-blinded, placebo-controlled clinical study. *Food Research International*, 43: 1086-1092
4. Koutsompogeras P., Kyriacou A., Zabetakis I. 2010. Characterization of NAD-dependent Alcohol Dehydrogenase Enzymes of strawberry's achenes (*Fragaria x ananassa* cv. Elsanta) and comparison with respective enzymes from *Methylobacterium extorquens*. *LWT - Food Science and Technology* (in press)
5. Mitsou E., Turunen K., Anapliotis P., Zisi D., Spiliotis V. And Kyriacou A. 2009. Impact of a jelly containing short chain fructo-oligosaccharides and *Sideritis euboica* extract on human faecal microbiota. *International Journal of Food Microbiology*, 135(2):112-117.
6. Chroni C., Kyriacou A., Manios T., Lasaridi K.E. 2009. Investigation of the microbial community structure and activity as indicators of compost stability and composting process evolution. *Bioresource Technology* (in press)
7. Fountoulakis, M. S., Makridis, L., Pirounaki, E. K., Chroni, C., Kyriacou, A., Lasaridi, K. and Manios, T. 2009. Fate and effect of linuron and metribuzin on the co-composting of green waste and sewage sludge. *Waste Management* (in press).
8. Kyriakou A., Drakopoulou S., Georgaki I., Fountoulakis M., Mitsou E., Lasaridi K.E., Manios Y., Manios I. 2009. Screening for faecal contamination in primary schools in Crete, Greece. *Child: Care, Health & Development*, 35(2):159-163
9. Chroni Ch., Kyriacou A., Georgaki I., Manios T., Kotsou M. and Lasaridi K.E., 2009. Microbial characterization during composting of biowaste. *Waste Management*, 29: 1520-1525.
10. Oikonomou I., Halatsi K., Kyriacou A. 2008. Selective PCR. A novel internal amplification control strategy for enhanced sensitivity. *Letters in Applied Microbiology*, 46: 456-461
11. Mitsou E., Kirtzalidou E., Oikonomou I., Liosis G., Kyriacou A. 2008. Faecal microflora of Greek healthy neonates, *Anaerobe*, 14: 94-101

12. Kyriacou A., Tsimpidi E., Kazantzi E., Mitsou E., Kirtzalidou E., Oikonomou I., Gazis G., Kotsou M. 2007. Microbial content and antibiotic susceptibility of bacterial isolates from yoghurts. *International Journal of Food Sciences and Nutrition*, 1-14.
13. Kotsou M., Mitsou E., Oikonomou I., Kyriacou A. 2007. In vitro assessment of probiotic properties of Lactobacillus strains from infant gut microflora. *Food Biotechnology*, 22 (1): 1-17
14. Koutsompogeras P., Kyriacou A., Zabetakis I. 2007. The formation of 2,5-dimethyl-4-hydroxy-2H-furan-3-one by cell-free extracts of *Methylobacterium extorquens* and strawberry (*Fragaria x ananassa* cv. Elsanta). *Food Chemistry*, 104 (4): 1654-1661.
15. Georgaki I., Tsamoukas A., Sakkas N., Maniadakis K., Ververidis F., Trantas E., Kyriacou A., Lasaridi K., Manios T. 2007. The role of bulking agent in pile methane and carbon dioxide concentration during sewage sludge windrow composting. *Water Environment Research*, 81 (1), 5-12.
16. Gazi A.V., Kyriacou A., Kotsou M., Lasaridi K.E. 2007. Microbial community dynamics and stability assessment during green waste composting. *Global NEST Journal*, 9, 1, 35-41.
17. Halatsi K., Oikonomou I., Lampiri M.P, Mandilara G.D, Vatopoulos A.K., Kyriacou A. 2006. PCR detection of *Salmonella* spp. using primers targeting the quorum sensing gene sdiA. *FEMS Microbiology Letters*, 259: 201-207.
18. Koutsompogeras P., Kyriacou A., Zabetakis I. 2006. Characterizing NAD-Dependent Alcohol Dehydrogenase Enzymes of *Methylobacterium extorquens* and strawberry (*Fragaria x anassa* cv. Elsanta). *Journal of Agricultural and Food Chemistry*, 54(1): 235-242.
19. Lasaridi K., Protopapa I., Kotsou M., Pilidis G., Manios T., Kyriacou A. 2006. Quality assessment of composts in the greek market: The need for standards and quality assurance. *Journal of Environmental Management* 80(1): 58-65.
20. Antonopoulou S., Nomikos T., Oikonomou A., Kyriacou A., Andriotis M., Fragopoulou E., Pantazidou A. 2005. Characterization of bioactive glycolipids from *Scytonema julianum* (cyanobacteria). *Comparative Biochemistry and Physiology, Part B*, 140: 219-231
21. Kyriacou, A., Lasaridi K.E., Kotsou M., Balis C., Pilidis G. 2005. Combined bioremediation and advanced oxidation of green table olive processing wastewater. *Process Biochemistry* 40 (3-4): 1401-1408.
22. Maniadakis K., Lasaridi K.E., Manios Y., Kyriacou A., Manios T. 2004. Integrated waste management through producers and consumers education: Composting of vegetable crop residues for reuse in cultivation. *Journal of Environmental Science and Health, Part B*, B39, 1: 169-183.
23. Kotsou M., Mari I., Lasaridi K., Chatzipavlidis I., Balis C., Kyriakou A. 2003. The effect of olive oil mill wastewater (OMW) on soil

- suppressiveness against *Rhizoctonia solani*. *Applied Soil Ecology*. 26(2): 113-121.
24. Kotsou M., Kyriakou A., Lasaridi K., Pilidis G. 2003. Integrated aerobic biological treatment and chemical oxidation with Fenton's reagent for processing of table olives' wastewater. *Process Biochemistry*. 39(11): 1653- 1660.
 25. Kyriacou A., Voidarou C., Tsiotsias A., Tassiopoulou S., Kotsou M., Andrikopoulos N., Bezirtzoglou E. 2002. Occurrence of *Clostridium perfringens* in traditional herbal plants. *Microecology and Therapy* 29: 157-161.
 26. Fischer G., Kyriacou A., Decaris B., Leblond P. 1997. Genetic instability and its possible evolutionary implications in *Streptomyces*. *Biochimie* 79: 555-558.
 27. Kyriacou A., Balis C., Typas M.A. 1997. Improvement of lysine production by analogue sensitive and auxotroph mutants of the acetylene utilising bacterium *Rhodococcus bronchialis* (*Gordona bronchialis*). *Applied Biochemistry and Biotechnology* 66: 281-289.
 28. Berger F., Fischer G., Kyriacou A., Decaris B., Leblond P. 1996. Mapping of the ribosomal operons on the linear chromosomal DNA of *Streptomyces ambofaciens* DSM 40697. *FEMS Microbiology Letters*, 143: 167-173.

PEER-REVIEWED INTERNATIONAL CONFERENCE PROCEEDINGS

1. Polycarpou E., Zachaki S., Karampatsou A.K. Gavrili S., Kyriacou A., Kostalos C., Kafetzis D. 2010 Association of arginine supplementation with fecal calprotectin in very low birth weight infants. Excellence in Paediatrics, London 2-4 December 2010
2. Mitsou E., Kougia E., Nomikos Tz., Yannakoulia M., Mountzouris K., Kyriacou A. 2010 Effect of banana consumption on faecal microbiota: a double-blind, randomized, controlled trial. XXXIII International Congress of the Society of Microbial Ecology and Disease, Greece, 6-10 September 2010
3. Turunen K., Tsouvelakidou E., Nomikos Tz., Mountzouris K., Kyriacou A. 2010 Impact of beta-glucan on the faecal microbiota of polypectomized patients: a pilot study. XXXIII International Congress of the Society of Microbial Ecology and Disease, Greece, 6-10 September 2010
4. Kirtzalidou K., Pramateftaki P., Kotsou M., Kyriacou A. 2010 Screening for lactobacilli with probiotic properties in the infant gut microbiota XXXIII International Congress of the Society of Microbial Ecology and Disease, Greece, 6-10 September 2010
5. Chroni C, Kyriacou A., Stamatiadis S., Lasaridi K. E. (2010) Stable isotopes fractionation and respirometry for composting monitoring. 7th International Conference ORBIT 2010 Organic Resources in the carbon economy, 29 June – 3 July 2010, Heraklion Crete, Greece, Proceedings p.171

6. Kyriacou A., Aggelopoulou E., Kanakari N., Mitsou E., Abeliotis K., Lasaridi K. E. (2010) Antimicrobial resistance in *Enterococcus* spp. isolated in sewage sludge. 7th International Conference ORBIT 2010 Organic Resources in the carbon economy, 29 June – 3 July 2010, Heraklion Crete, Greece, Proceedings p.163
7. Polycarpou E., Zachaki S., Karampatsou A.K., Kyriacou A., Kostalos C. (2010) Fecal calprotectin levels in very low birth weight infants with and without arginine supplementation. XXII European Congress of Perinatal Medicine, 26-29 May 2010, Granada, Spain, Proceedings pp. 307-310
8. Mitsou E., Kirtzalidou E., Pramateftaki P. & Kyriacou A. (2009) Antibiotic resistance in faecal microbiota of Greek healthy infants. International XXXII Congress of the Society of Microbial Ecology and Disease, 29-30 October, St. Petersburg, Russia
9. Lasaridi K.E., Katsabanis G., Maggos Th., Manios Th., Fountoulakis M., Kalogerakis N., Stentiford E.I., Kyriacou A. 2009. Mapping odour nuisance from environmental and industrial installations in Greece. 2nd International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2009), 21-26 June 2009, Mykonos Island, Greece.
10. Ktena Ch., Kyriacou A., Abeliotis K., Lasaridi K.E. 2009. Dynamics of grape marcs stabilization during composting. CEMEPE 2009, 21-26 June 2009, Mykonos Island, Greece.
11. Makridis L., Pirounaki E.K., Fountoulakis M., Chroni Ch., Kyriacou A., Lasaridi K.E., Manios Th. 2009. Fate and effect of herbicides on co-composting process of green waste and sewage sludge. CEMEPE 2009, 21-26 June 2009, Mykonos Island, Greece.
12. Chroni C., Kyriacou A., Manios T. and Lasaridi K.E. 2008. Respiration and microbial community succession as compost stability indicators. Proceedings of the 6th International Conference ORBIT 2008 «Moving Organic Waste Recycling towards Resource Management and the Biobased Economy: from Local to Global», 13-15 October 2008, Wageningen, The Netherlands.
13. Lasaridi K.E., Stamatiadis S. and Kyriacou A. 2008. Stabilisation and sanitisation of wastewater biosolids during composting. Proceedings of the 6th International Conference ORBIT 2008 «Moving Organic Waste Recycling towards Resource Management and the Biobased Economy: from Local to Global», 13-15 October 2008, Wageningen, The Netherlands.
14. Chroni C., Kyriacou A., Manios T. and Lasaridi K.E. 2008. Investigation of the microbial community structure and activity as indicators of compost stability and composting process evolution. Proceedings of the International Conference WASTEENG 08, 3-5 June 2008, Patras, Greece
15. Mitsou E., Turunen K., Anapliotis P., Zisi D., Kyriacou A. 2007. Impact of a functional food containing FOS, on the gut microflora of healthy

- volunteers: a randomised, double-blind, placebo control trial. In: XXX International Congress on Microbial Ecology and Disease. 4th Probiotics, Prebiotics and New Foods, Rome 16-18 September 2007.
16. Tsigoida A., Kotsou M., Kyriacou A. 2007. Fate of pathogen bacteria after subsurface irrigation with untreated and treated municipal wastewater In: A. Kungolos, K. Aravossis, A. Karagiannidis, P. Samaras (ed.), *Proceedings of SECOTOX Conference and the International Conference on Environmental Management Engineering, Planning and Economics*, Skiathos island, Greece, 24-28 June 2007. Vol. IV: 2727-2732.
 17. Lasaridi K., Siamandoura P., Manios Th., Foundoulakis M., Stentiford E.I., Kyriacou A. 2007. Biofiltration of odorous compounds and other air pollutants: design parameters and efficiency aspects. In: A. Kungolos, K. Aravossis, A. Karagiannidis, P. Samaras (ed.), *Proceedings of SECOTOX Conference and the International Conference on Environmental Management Engineering, Planning and Economics*, Skiathos island, Greece, 24-28 June 2007. Vol. II: pp.1411-1416.
 18. Lasaridi K.E., Kotsou M., Siamandoura P. and Kyriacou A. 2007. Biological treatment of green table olive processing wastewater using *Aspergillus niger*: prospects and constraints. In: A. Kungolos, K. Aravossis, A. Karagiannidis, P. Samaras (ed.), *Proceedings of SECOTOX Conference and the International Conference on Environmental Management Engineering, Planning and Economics*, Skiathos island, Greece, 24-28 June 2007. Vol. III: pp. 1791-1796.
 19. Chroni C., Kyriacou A., Oikonomou I., Georgaki I., Manios T., Kotsou M., Lasaridi K. 2006. Microbial community succession during composting of biowaste as evaluated by plating techniques and denaturing gradient gel electrophoresis analysis. In: E. Kraft, W. Bidlingmaier, M. de Bertoldi, L.F. Diaz, J. Barth (eds.), *Proceedings, ORBIT 2006 International Conference on "Biological Waste Management-From Local to Global"*, 13-15 September 2006, Weimar, Germany, pp.279-288.
 20. Lasaridi K., Stamatiadis S., Kotsou M., Lemonia S., Balaska M., Kyriacou A. 2006. Stabilisation and sanitisation of wastewater biosolids during composting. *Proceedings of the 8th Int. Conf. "Protection and Restoration of the Environment VIII"*, 3-7 July 2007, Chania, Crete, Greece.
 21. Gazi A.V., Kyriacou A., Kotsou M., Lasaridi K.E. 2005. Microbial community dynamics and stability assessment during green waste composting. In: T.D. Lekkas (ed.), *Proceedings of the 9th International Conference on Environmental Science and Technology*, Rhodes, Rhodes island, Greece, 1-3 September 2005, pp. A 459-A 464.
 22. Kotsou M., Mitsou E., Oikonomou I., Kyriacou A. 2005. Screening for probiotic properties of *Lactobacillus* spp. strains isolated from infant faecal microflora by *in vitro* techniques», INSTITUT PASTEUR

ΕΥΡΩΚΟΝΦΕΡΕΝΣΕΣ: ΝΥΤΡΙΤΙΟΝ, ΙΜΜΥΝΕ ΚΛΙΣΕΙΣ ΚΑΙ ΥΓΕΙΑ, Παρις 9-10 Ιουνίυ.

23. Koutsomitrou T., Lasaridi K.E., Abeliotis K., Kotsou M., Kyriacou A. 2005. Evaluation of the waters' quality in Litheos river in Trikala – Central Greece. In: T.D. Lekkas (ed.), *Proceedings of the 9th International Conference on Environmental Science and Technology*, Rhodes, Rhodes island, Greece, 1-3 September 2005. Poster presentation, pp. B 473-B 478
24. Koutsomitrou T., Lasaridi K., Abeliotis K., Kotsou M. and Kyriacou A. 2005. Evaluation of the waters' condition on the final receiver of the biological treatment plant in Trikala prefecture, HELECO 05, 5th International Exhibition and Conference on Environmental Technology, February 3-6 (2005), Athens, Greece.
25. Kyriacou A., Zabetakis I. 2004. The biosynthesis of furanones in strawberry: are the plant cells all alone? 11th International Flavor Conference, Samos, Greece, 1-4 July. Proceedings pp. 219-223.
26. Imppola U., Veijanen A., Hänninen K., Kyriacou M., Kotsou M., Protopapa I., Kavoussanos M. and Lasaridi K.E. 2003. Comparative Evaluation of Process Performance of Composting Plants in Greece and Finland. Proceedings of the 8th *International Conference on Environmental Science and Technology* (CEST), 8-10 September, Lemnos, Greece.
27. Kotsou M., Kyriakou A., Fikioris A., Bezirtzoglou E. 2003. Effect of ozone on the intestinal microflora in patients with gastrointestinal disorders. 13th European Congress of Clinical Microbiology and Infectious Diseases, Glasgow, UK. May 10-13.
28. Protopapa I., Lasaridi K., Kotsou M., Pilidis G., Kyriacou A. 2003. Quality evaluation of different compost and soil improvers from the Greek market. *HELECO 03, 4th International Exhibition and Conference on Environmental Technology*, January 30-February 2 (2003) Athens, Greece. Vol. B, pp. 95-103 (in Greek)
29. Tasiopoulou T., Kyriacou A., Kotsou M., Chatjipavlidis I., Lasaridi K. 2003. Co-composting of bio-fertilizer from olive-mill wastewater for substrates production. *HELECO 03, 4th International Exhibition and Conference on Environmental Technology*, January 30-February 2 Athens, Greece. Vol B, pp. 132-139 (in Greek)
30. Kyriacou A., Voidarou C., Tsiotsias A., Tassiopoulou S., Kotsou M., Andrikopoulos N., Bezirtzoglou E. 2001. Occurrence of *Clostridium perfringens* in traditional herbal plants. Poster presentation. International Congress on Microbial Ecology and Disease, Leeuwenhorst, The Netherlands 3-7 Οκτωβρίυ.
31. Fischer G., Kyriacou A., Leblond P. 1996. Dynamic of chromosomal structure associated with DNA rearrangements in *Streptomyces ambofaciens*. Conference on Biology of *Streptomyces*, Ohrbeck, 10-15 April.

ABSTRACTS IN CONFERENCE PROCEEDINGS

1. Pilidis G., Kotsou M., Lasaridi K.E., Georgopoulos N., Giannopoulos T., Apostolopoulos G. and Kyriacou A. 2003. Operation of a pilot plant for the treatment of green olive processing wastewater (GOPW). *12th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region - MESAEP*, 4-8 October 2003, Antalya, Turkey.

PATENTS

1. Lasaridi K.E., Kyriacou A., Kotsou M., Tassiopoulou S., Pilidis G. 2003. Combined biotechnological and chemical method for the treatment of wastewaters from edible olives' processing. OBI (Greek) Patent number 1004115.
2. Lasaridi K.E., Kyriacou A., Kotsou M., Tassiopoulou S., Pilidis G. Kombinierte biotechnologisch-chemische Methode zur Behandlung von flüssigen Abfällen aus der Produktion von Tafeloliven. European Patent application number GR 20020100208/30.04.2002.

CHAPTERS IN COLLECTIVE VOLUMES

1. Kyriacou A., P. Katinakis 1996. Microbial Engineering for Amino Acid Production. In: Microbial Engineering P. Katinakis (ed.) pp. 159-176. EU-NECTAR, Montpellier, France.
2. Kyriacou A. 2005. Food safety. In: A.-L. Matala and A. Huliaras (Eds), *Nutrition in the 21st Century: the Geographies of Plenitude and Scarcity*, Papazisis, Athens (in Greek).