

CURRICULUM VITAE

Name: **Ourania H. Kalantzi**
Date of birth: September 22, 1967
Telephone: ++30-210-5294687
Email: okalantzi@aua.gr

EDUCATION

1985-1990: **Diploma on Biological Sciences**
■ Department of Biology – Athens University

PROFFESIONAL APPOINTMENTS

1/2/1992 - 28/2/1993	Agricultural University of Athens, Department of Agricultural Industry	■ <i>Research Project:</i> “Research and application of biotechnological methods for the development of products, with high additive value, from agricultural and agro-industrial side-products”
1/3/1993 - 31/8/1995	Agricultural University of Athens, Department of Agricultural Industry	■ <i>Research Project:</i> “Optimization of the storage and processing conditions of fruits and vegetables, based on the (bio)chemistry and the primary structure of their tissue. A basic research that leads to applied models and rules for fruit conservation and processing”
1/9/1995 - 31/1/1996	Medical Centre “Diagnosis”	■ Coordinator of the Clinical Biochemistry Department
1/2/1996 - today	Agricultural University of Athens, Department of Food Science and Human Nutrition– <i>Lab of Food Microbiology and Biotechnology</i>	■ Member of the Specialized - Teaching personnel

PARTICIPATION AT PRACTICAL COURSES (after selection)

22/10/1990-29/12/1990:

“Biotechnological applications in Agriculture”. Hellenic Productivity Center (EL.KE.PA.), Athens, Greece, (part I)

14/1/1991 έως 26/4/1991: “Biotechnological applications in Agriculture”. Hellenic Productivity Center (EL.KE.PA.), Athens, Greece, (Part II)

16-18/7/1994: “HPLC and GC/MS application in the analysis of the environment”. Analytik S.A., National Centre of Documentation, Hellenic Centre of Redistribution Value, Athens

OTHER ACTIVITIES

1990 – 1992	Isolation, identification and quantitative analysis of microorganisms. Usage of the bioreactor
1992 – 1993	Production of microbial pectinolytic enzymes from agro-industrial side-products
1993 – 1995	Identification of the pectinolytic enzymes produced during storage of peaches. Cell walls isolation and pectin extraction. Measurement of the methanol content by using Gas-Chromatography. Identification of the isolated pectins molecular weight by using HPLC
1995 – 1996	Biochemical tests of blood, urine and sperm samples. Quantitation of hormones by using RIA, ELISA, IRMA and albumen electrophoresis
1996 – today	Bioreactor usage. Enzyme isolation, purification and characterization
2000	Teaching at laboratory courses of the Agricultural University

ABSTRACT PRESENTATIONS AT NATIONAL OR INTERNATIONAL CONGRESSES

- "Screening of fungi for pectin degrading enzymes production using citrus pectin as sole carbon source" M. Galiotou-Panayotou, **O. Kalantzi**, M. Kapantai and B. Siviliias, 6th European Congress on Biotechnology, June 13-17, 1993, Firenze, Italy.
- "Qualitative analysis of the "redhaven" peaches variety by using FTIR" N. Proxenia, **O. Kalantzi**, A. Chatjigakis, P. Rodis και M. Polissiou. 15o Hellenic Conference of Chemistry, 6-10 December 1994, Thessaloniki, Greece.
- "(Bio)chemical Changes Related to Texture Behavior of Peaches during Storage" N. Proxenia, **O. Kalantzi**, A Chatjigakis, P. Rodis and M. Polissiou. 9th World Congress of Food Science and Technology, July 30th-August 4th, 1994, Budapest, Hungary.
- "Relation of (bio)chemical cell wall changes during cold storage of peaches to water status in the fruit" Th. Maris, P. Rodis, G. Papavassiliou, N. Proxenia, **O. Kalantzi**, A Chatjigakis, M. Polissiou, F. Milia and L. Vlahos 7th Cell Wall Meeting, September 26-29, 1995 Santiago de Compostella, Spain.
- "FT-IR spectroscopy: A non-destructive method for the evaluation of the degree of esterification of pectins of peach cell wall materials" A Chatjigakis, M. Polissiou, N. Proxenia, **O. Kalantzi** and P. Rodis. 6th European Conference on the Spectroscopy of Biological Molecules, 3-8 September 1995, Villeneuve d' Ascq – France.
- "Detection of b-glucosidase production by fungi and study of enzyme properties" M. Galiotou-Panayotou, **O. Kalantzi**, S. Epitropaki (2001). 2nd Balkan Conference of Microbiology". Thessaloniki, Greece, November 22-24.
- "Production and immobilization of two β -glucosidases by the fungus *Aspergillus niger* NRRL364 and *Penicillium expansum* NRRL-973" Vrahati E., Kalantzi O. and Galioti-Panagiotou M. (2005) 1st Panhellenic Conference on Biotechnology and Food Technology, 31/ 03-02 / 04, Athens Chamber of Commerce, Athens, pp. 464-473.

PUBLICATIONS

1. "FT-IR spectroscopic determination of the degree of esterification of cell wall pectins from stored peaches and correlation to textural changes" AK Chatjigakis, C

- Pappas, N. Proxenia, **O. Kalantzi**, P. Rodis and M. Polissiou. (1998) Carbohydrate Polymers 37:395-408.
2. "Kinetics of polygalacturonase activity and firmness of peaches during storage" LMM Tijssens, PS Rodis, MLATM Hertog, **O Kalantzi** and C van Dijk (1998) Journal of Food Engineering 35:111-126.
 3. "Growth conditions of Aspergillus sp. ATHUM-3482 for polygalacturonase production" M. Galiotou - Panayotou, M. Kapantai, **O. Kalantzi** (1997) Applied Microbiology and Biotechnology 47:425-429.
 4. "Modelling of simultaneous production of polygalacturonase and exopolysaccharide by *Aureobasidium pullulans* ATHUM 2915" M. Galiotou - Panayotou, **O. Kalantzi** and G. Aggelis. (1998) Antonie van Leeuwenhoek 73:155-162.
 5. Lipid production by yeasts growing on biodiesel-derived crude glycerol: strain selection and impact of substrate concentration on the fermentation efficiency. S.S. Tchakouteu, **O. Kalantzi**, C. Gardeli, A.A. Koutinas, G. Aggelis and S. Papanikolaou Journal of Applied Microbiology, 2015, 118, 911-927
 6. Oleaginous yeast *Cryptococcus curvatus* exhibits interplay between biosynthesis of intracellular sugars and lipids. S.S. Tchakouteu, A. Chatzifragkou, **O. Kalantzi**, A.A. Koutinas, G. Aggelis and S. Papanikolaou European Journal of Lipid Science and Technology, 2015, 117, 657-672
 7. Conversion of biodiesel-derived glycerol into biotechnological products of industrial significance by yeast and fungal strains. S. Papanikolaou, M. Rontou, A. Belka, M. Athenaki, C. Gardeli, A. Mallouchos, **O. Kalantzi**, A.A. Koutinas, I.K. Kookos, A.-P. Zeng and G. Aggelis. Engineering in Life Sciences, 2017, 17, 262-281.
 8. *Rhodospiridium toruloides* cultivated in NaCl-enriched glucose-based media: adaptation dynamics and lipid production S.S. Tchakouteu, N. Kopsahelis, A. Chatzifragkou, **O. Kalantzi**, N.G. Stoforos, A.A. Koutinas, G. Aggelis and S. Papanikolaou*. Engineering in Life Sciences, 2017, 14, 237-248
 9. Bioconversions of Biodiesel-Derived Glycerol into Sugar Alcohols by Newly Isolated Wild-Type *Yarrowia lipolytica* Strains Eleni-Stavroula Vastaroucha, Sofia Maina, Savvoula Michou, Ourania Kalantzi, Chrysanthi Pateraki, Apostolis A. Koutinas and Seraphim Papanikolaou. Reactions 2021, 2(4), 499-513
 10. Biotechnological valorization of biodiesel-derived glycerol: Trials with the non-conventional yeasts *Yarrowia lipolytica* and *Rhodospiridium* sp Sofia Sarantou, Nikolaos G. Stoforos, Ourania Kalantzi, Seraphim Papanikolaou. Carbon Resources conversion Volume 4, 2021, Pages 61-75