

# CURRICULUM VITAE

## Administrative Data

Name                                DESPINA PATIAKA  
Date of Birth                        3 August 1964  
Place of Birth                        Thessaloniki  
Family status                        Married, two children  
Address                                Lahana 43b, PYLAIA, 55535-Thessaloniki, GREECE  
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## Education

1982    Graduated from 15<sup>th</sup> Higher School of Thessaloniki  
1987    Diploma in Chemistry, Aristotelian University of Thessaloniki  
1987    Diploma thesis in Organic Chemistry : "Addition Reactions in N=C bond for preparation of lactames and 1 arylidenamin-4,5- dimethyl -1.2.3- triazoles and study with IR, NMR, MS spectroscopic methods".

## Expertise

1987 for four months as Laboratory Analyst in Hellenic Sugar Industry, specialize in water and sugar analysis and Flame.

1989-1990 as Senior Chemist in the Analytical Laboratory of Textile Dye Factory of NORELTEX.

1991 until today as Technician Chemist, Responsible for Chromatography and Mass Spectrometry in CERTH / CPERI / LABORATORY OF ENVIROMENTAL FUELS AND HYDROCARBONS.

Participant in 6 EEC sponsored programs, in 6 National Research programs and 1 Industry sponsored program

I am expertise in method development for Fuel analysis, to various Chemical analysis such as : Gas Chromatographic analysis, Liquid Chromatography analysis, Mass Spectroscopic Analysis, and Gas Chromatographic analysis with Sulfur Chemiluminescence Detector.

I participate in Ladoratory procedures for Certification to ISO 9001 and ISO 17025.

Also I participate in 19 scientific and educational seminars and gave courses regarding various chemical analysis in 4 seminars.

### **Scientific Accomplishments**

1. Vasalos I.A., Samolada M.C., Grigoriadou E., Kiparissides Z., and Patiaka D. T. "Upgrading of Biomass Pyrolysis Liquids to High Value-Added Chemicals" Energy from Biomass Thermochemical Conversion, Contractors Coordinators Meet., Gent, Belgium, October, 1991.
2. Vasalos I.A., Samolada M.C., Grigoriadou E., and Patiaka D. T. "Use of Biomass Pyrolysis Liquids for Producing Components for Gasoline Blending" 7<sup>th</sup> European Conference on Biomass for Energy and Environment, Agriculture and Industry, Florence, Italy, 5-9 October, 1992.
3. Lappas A.A., Iatridis I.K., Voutetakis S.S., Patiaka D. T. and Vasalos I.A. "Technology for the Production of Environmental Friendly Fuels" HELECO 95 Conference, Athens 1995
4. Lappas A.A., Patiaka D. T., Martin R.S., and Berger K. H., "Benzene Content and Hydrocarbon Analysis in Greek Gasolines from Fuel Stations in Thessaloniki Region" 3<sup>rd</sup> International Conference on Environmental Pollution , Proceedings Sept 16-20, 1996 Thesaloniki Greece.
5. Lappas A.A., Patiaka D. T., Ikonomou D.A. and Vasalos I.A "Separation and Characterization of Paraffins and Naphthenes from FCC Feedstocks", Ind. Eng. Chem. Res. Vol 36, No 8, pp 3110-3115, 1997
6. Lappas A.A., Patiaka D. T., Dimitriadis B.D. and Vasalos I.A "Separation, Characterization and Catalytic Cracking Kinetics of Aromatic Fractions Obtained from FCC Feedstocks", Applied Catalysis A : General 152, pp 7-26, 1997.
7. Ronyai E., Simandi B., Lemberkovics E., Veress T., Patiaka D. "Comparison of the Volatile Composition of Clary Sage Oil Obtained by Hydrodistillation and Supercritical Fluid Extraction" , J. Essent. Oil Res. 11, 69-71, Jan/Feb 1999.
8. Ronyai E., Simandi B., Lemberkovics E., Veress T., Patiaka D. "Comparison between the Essential Oil and Supercritical Carbon Dioxide Extract of Salvia Fruticosa Mill " , J. Essent. Oil Res. 11, 499-502, Jul/Aug 1999.
9. Samolada. M.C., Papafotica A, Patiaka D. T. and Vasalos I.A "Catalytic Pyrolysis of Biomass for Improved Liquid Fuel Quality" 6<sup>th</sup> National Conference on Renewable Energy Sources Volos, Greece, 3-5 November 1999.
10. Koukos P.K., Papadopoulou K.I., Patiaka D.T., and Papagiannopoulos A.D., "Chemical Composition of Essential Oils from Needles and Twigs of Balkan Pine

(Pinus peuce Grisebach) Grown in Northern Greece”, Journal of Agricultural and Food Chemistry, 48(4), pp 1266-1268, 2000.

11. Koukos P. K, Papadopoulou K. I, Papagiannopoulos A. D. ,. Patiaka D. T., “ Essential oils of the twigs of some conifers grown in Greece”, Holz als Roh-und Werkstoff, Volume 58, Issue 6 (2001) pp 437-438.
12. Patiaka D., Valla I. Lappas A.A, and Vasalos I.A “Determination of sulphur compounds in Gasoline” 18<sup>th</sup> Conference in Chemistry, 10-13 March 2001 Athens, Greece
13. Koukos P.K., Papadopoulou K.I., Patiaka D.T., and Papagiannopoulos A.D., “Chemicals from Greek Forestry Biomass : Constituents of the Leaf Oil of Myrtus communis L. Grown in Greece”, Journal of Essential Oils Research, Vol. 13, July/August 2001.
14. Koukos P.K., Papadopoulou K.I., Patiaka D.T., and Papagiannopoulos A.D., “Variations in the Chemical Composition of the Berry Oil of Juniperus oxycedrus L Grown in North and West Greece”, Journal of Essential Oils Research.
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#### **Other Expertise**

1. Very Good English.
2. Good French
3. PC Knowledge (MS-DOS, WINDOWS, WORD, EXCEL, POWERPOINT, HP CHEMSTATION)
4. Knowledge of LIMS (Laboratory Information Management System)