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Erasmia Bizani

Personal information

Date of birth: 05/09/1978

Place of birth: Kozani

Marital Status: Married

Nationality: Greek

Studies

1996-2001: **Degree** in Chemistry, Faculty of Physical, Analytical and Environmental Chemistry, Aristotle University of Thessaloniki, Greece.
(Grade: 8,10/10,00)

2001-2003: **Postgraduate Degree** in Environmental Chemistry, Faculty of Environmental Chemistry, Chemistry Department, School of Natural Sciences, Aristotle University of Thessaloniki, Greece.
(Grade: 9,84/10,00)

2008: Training on Advanced Solar Oxidation Processes in the Research Center Plataforma Solar de Almeria – CIEMAT (Prof. S. Malato)

2004 - 2009: **PhD** in Environmental Chemistry

Distinctions - Awards

1996 - 1997: Annual scholarship of the National Institute of Scholarships for excellence in the 1st year of Undergraduate studies (1st in class for the year).

2001-2002: Scholarship of the National Institute of Scholarships for excellence in the 1st year of Postgraduate studies (1st in class for the year).

2004 - 2008: Scholarship for the acquisition of PhD from the Institute Alexander S. Onassis (total duration 39 months)

Participation in research programs/ Working experience

1999: Participation in the research project "Study of a pilot electrochemical method for the removal of non-biodegradable azodyes from textile wastewaters"

2000 - 2001 : Participation in the research project: "Investigation of the best sampling method and analysis of liquid and solid samples of waste waters from industries at central Macedonia, Thessalia and east Macedonia - Thraki".

2002 - 2010: Participation in the research project: "Drinking water quality control of municipality of Thermi, Greece"

2003-2006: Participation in the research project: "Drinking water quality control of municipality of Madytos, Greece"

2004-2006 : Participation in the research project Pythagoras I co-financed by the Greek Government and the E.U.-European Social Fund: "Study of

pesticides photochemical behaviour in aquatic systems”

2004 - 2008: Participation in the research project: “Drinking water quality control of municipality of Mikra, Greece”

2007 - 2008: Participation in the research project: “Drinking water quality control of municipality of Korwneia, Greece”

2005 - 2009: Participation in the research project - PENED 2003: “Advanced Oxidation Processes for the degradation of carbamate pesticides in aquatic systems and wastewaters” implemented within the framework of the Reinforcement Programme of Human Research Manpower of the General Secretariat of Research and Technology and European Social Fund

2007 - 2008: Participation in the research project of the Ministry of Macedonia and Thrace: “Quality assessment of Thermaikos Gulf ecosystem, Greece”.

2009 - 2011: Participation in the Programme for the Promotion of the Exchange and the Scientific Cooperation between Greece and Germany - IKYDA 2008 financed from the National Institution of Scholarships: “Transformation products of pharmaceuticals - Detection and follow-up during wastewater treatment”.

2003 - 2007: Participation in the teaching program of the environmental pollution control laboratory

1999 - 2007: Teaching of the subject of Chemistry to High school students

2007 - 2011: Employee in the Chemistry Department of the Aristotle University of Thessaloniki

2011 - to present: Teaching and laboratory assistant in Laboratory of Analytical Chemistry, Chemistry Department, National and Kapodistrian University of Athens

**Research
Interests
/Activities**

- Environmental and Food Analysis
- Water quality and water treatment
- Photocatalysis
- Mass Spectrometry
- Development of LC-MS/MS methods

**Scientific
Publications
/Conferences
/Citations**

- 11 publications in refereed journals
- 2 contributions in scientific book chapters
- 23 Conference Presentations (peered reviewed)
- 250 citations.

**Languages –
Informatics**

English, *Certificate of Proficiency, Cambridge University (European Level C2)*

French, *Sorbonne I (European Level C1)*

German, *Mittelstufe Sprachdiplom, Goethe Institute (European Level C1)*

Italian, *Certificato di competenza di lingua italiana, Istituto di Cultura Italiana (European Level C1)*

Seminar on "Introduction on the Geographical Information Programs (GIS) ArcInfo - ArcView

Other Activities

Member of the Association of Greek Chemists, 2001-Present
Member of the Onassis Scholars Association, 2009-Present
Partner iadjunct at the Board of Directors in ECOCITY, Athens based environmental Non-Governmental Organisation, 2010-Present
Member of the Chemicals Working Group of European Environmental Bureau (EEB), 2014-Present

LIST OF PUBLICATIONS – CONFERENCE PRESENTATIONS

• Publications in scientific journals

1. E. Voudrias, K. Fytianos, E. Bizani, " **Sorption – Desorption Isotherms of Dyes from Aqueous Solutions and Wastewaters with Different Sorbent Materials** ", 2002, *Global Nest*, Vol.4(1), p.p. 75-83
2. E. Bizani, T. Kouimtzis, " **Stratospheric ozone: Formation – Destruction – Regional and Temporal variations** ", *Chemica Chronica – General Edition*, Issue 3, Volume 65, 2003
3. E. Bizani, K. Fytianos, I.Poulios, V. Tsiroidis, " **Photocatalytic Decolorization and Degradation of Dye Solutions and Wastewaters in the Presence of Titanium Dioxide** ", 2006, *Journal of Hazardous Materials*, 136, 85-94.
4. E. Evgenidou, E. Bizani, C. Christophoridis, K. Fytianos, " **Heterogeneous photocatalytic degradation of prometryn in aqueous solutions under UV/Vis irradiation** ", 2007, *Chemosphere*, 68, 1877-1882.
5. E. Bizani, K. Fytianos, " **Advanced oxidation processes – Heterogeneous photocatalysis using semiconductive** ", 2008, *Chemica Chronica – General Edition*, Issue 3, Volume 70, 2008
6. A. Zapata, I. Oller, E. Bizani, J.A.Sánchez-Pérez, M.I. Maldonado, S. Malato, " **Evaluation of operational parameters involved in solar photo-Fenton degradation of a commercial pesticide mixture** ", 2009, *Catalysis Today*, 144 (1-2), 94-99.
7. S. Veloutsou, E. Bizani, K. Fytianos, " **Photo-Fenton decomposition of β -blockers Atenolol and Metoprolol; Study and Optimization of System Parameters and Identification of Intermediates** ", 2014, *Chemosphere*, 107, 180-186.

8. E.-C. Kalogridi, C. Christophoridis, E. Bizani, G. Drimaropoulou, K. Fytianos, **"Part I: Temporal and spatial distribution of multiclass pesticideresidues in lake waters of Northern Greece: application of anoptimized SPE-UPLC-MS/MS pretreatment and analytical method"**, 2014, *Environmental Science and Pollution Research*, 21(12), 7239-7251.

9. E.-C. Kalogridi, C. Christophoridis, E. Bizani, G. Drimaropoulou, K. Fytianos, **"Part II: temporal and spatial distribution of multiclass pesticideresidues in lake sediments of northern Greece: application of anoptimized MAE-LC-MS/MS pretreatment and analytical method"**, 2014, *Environmental Science and Pollution Research*, 21(12), 7252-7262.

10. E. Bizani, D. Lambropoulou, I.Poulios, K. Fytianos, **"Photocatalytic oxidation of molinate in aqueous solutions"**, 2014, *Environmental Science and Pollution Research*, 21(21), 12294-12304.

11. C. Christia, E. Bizani, C. Christophoridis, K. Fytianos, **"Pesticides residues in fruit samples: Comparison of different QuEChERS methods using LC-MS/MS"**, 2015, *Environmental Science and Pollution Research* (accepted for publication)

• **Book Chepters**

1. D. Lambropoulou, E. Evgenidou, C. Christophoridis, E. Bizani, K. Fytianos, (2012), Ch. 17 Flame Retardants, 377-411, *Analysis of Endocrine Disrupting Compounds in Food*, Editor Leo M.I. Nollet, Wiley-Blackwell

2. C. Christophoridis, E. Bizani, K. Fytianos, (2011), Ch. 21 Environmental quality monitoring, using GIS as a tool of visualization, management and decision-making. Applications emerging from the EU Water Framework Directive EU 2000/60, 397-424, *Agricultural and Environmental*