

## Professor Elia PSILLAKIS<sup>‡</sup>

Laboratory of Aquatic Chemistry  
School of Environmental Engineering, Technical University of Crete (TUC),  
Polytecheioupolis, GR-73100 Chania-Crete, Greece  
tel: +30-2821037810, fax: +30-2821037846  
e-mail: elia@enveng.tuc.gr

Scopus Author ID: 6603811934; ORCID ID: orcid.org/0000-0002-5867-3940; RESEARCHERID: A-6915-2008  
<https://www.enveng.tuc.gr/en/personnel/faculty/elia-psillakis/>

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### EDUCATION

1997	Doctor of Philosophy, School of Chemistry, University of Bristol, U.K
1994	Maîtrise de Chimie (Summa Cum Laude; Grade; Très-Bien), Université Montpellier II Sciences et Techniques du Languedoc, France
1993	Licence de Chimie, Université Montpellier II Sciences et Techniques du Languedoc, France
1992	Diplôme d' Études Universitaires Générales (D.E.U.G. A), Sciences des Structures et de la Matière, Université Montpellier II Sciences et Techniques du Languedoc, France

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### ACADEMIC AND PROFESSIONAL POSITIONS

2015-Present	Professor, School of Environmental Engineering, TUC, Greece
2010-2015	Associate Professor, School of Environmental Engineering, TUC, Greece
2008	Assistant Professor with tenure, Department of Environmental Engineering, TUC, Greece
2007	Visiting Scholar, Fulbright Research Award, CALTECH, USA
2005	Assistant Professor, Department of Environmental Engineering, TUC, Greece
1998	Research Associate, Department of Environmental Engineering, TUC, Greece
1997	Postdoctoral Fellow, Foundation of Research & Technology Hellas, Greece
2017-Present	Director Graduate Studies, School of Environmental Engineering, TUC, Greece
2014-2016	Deputy Rector of Academic Affairs and Research, TUC, Greece
2013-Present	Member of the Dean's Committee, School of Environmental Engineering, TUC, Greece
2012-2014	Director Graduate Studies, School of Environmental Engineering, TUC, Greece

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### MILESTONES

2019	Senior Associate Editor of <i>Journal of Separation Sciences</i> , Wiley
2018	Member of the Editorial Advisory Board of <i>Analytica Chimica Acta</i> , Elsevier
2017	Work-Group Leader, European network for the promotion of portable, affordable and simple analytical platforms, PortASAP; COST Action CA16215
2017	Director Graduate Studies, School of Environmental Engineering, TUC, Greece
2015	President of the board of Greek Deputy Rectors of Academic Affairs at the Synod of Greek Higher Education Institutions
2014	Deputy Rector of Academic Affairs and Research, TUC, Greece
2013	Top-10 most cited articles 2010-2011 Award, <i>Talanta</i> , Elsevier
2013	Vice-Chair of the European evaluation panel for the FP7 Marie Curie Fellowships.
2013	Member of the Dean's Committee, School of Environmental Engineering, TUC, Greece
2012	Vice-Chair of the European evaluation panel for the FP7 Marie Curie Fellowships
2012	Director Graduate Studies, School of Environmental Engineering, TUC, Greece
2010	Top-50 most cited articles 2005-2009 Award, <i>Analytica Chimica Acta</i> , Elsevier
2007	Fulbright Research Scholarship Award 2007-2008, Funding for a three-month research stay at the laboratory of Prof. M.R. Hoffmann, CALTECH
2006	Top cited article 2001-2006 Award, <i>Journal of Chromatography A</i> , Elsevier
1994	Highest total mark award/top student on graduation from Maîtrise de Chimie

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<sup>‡</sup> **Statistics at a glance**, last update January 2019, Scopus and Google Scholar

	Scopus	Google scholar
<i>h</i> -index:	<b>36</b>	<b>39</b>
Sum of Times Cited:	<b>4921</b>	<b>6206</b>

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## RESEARCH INTERESTS

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- Understanding, developing and applying novel analytical procedures for detecting trace amounts of organic pollutants in a variety of environmental or engineered samples
- Studying the fate of organic pollutants in natural and engineered environments

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## ISI PUBLICATIONS IN REVERSE CHRONOLOGICAL ORDER

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80. E. Psillakis\*, Vortex-assisted liquid liquid microextraction revisited, *TrAC-Trends Analytical Chemistry*, 2018, In Press, Corrected Proof (<https://doi.org/10.1016/j.trac.2018.11.007>)
79. K. Karkanorachaki, S. Kiparissis, G.C. Kalogerakis, E. Yiantzi, E. Psillakis, N. Kalogerakis, "Plastic Pellets, Meso- and Microplastics on the Coastline of Northern Crete: Distribution and Organic Pollution", *Marine Pollution Bulletin*, 2018, 133, 578–589 (<https://doi.org/10.1016/j.marpolbul.2018.06.011>)
78. D. Orazbayeva, B. Kenessov, E. Psillakis, D. Nassyrova, M. Bektassov, "Determination of transformation products of unsymmetrical dimethylhydrazine in water using vacuum-assisted headspace solid-phase microextraction" *Journal of Chromatography A*, 2018, 1555, 30-36 (<https://doi.org/10.1016/j.chroma.2018.04.048>)
77. E. Psillakis\*, "Vacuum-assisted headspace-solid phase microextraction: A tutorial review" *Analytica Chimica Acta*, 2017, 986, 12-24 (<http://dx.doi.org/10.1016/j.aca.2017.06.033>)
76. M.J Trujillo-Rodríguez, V. Pino\*, E. Psillakis\*, J.L Anderson, J.H Ayala, E, Yiantzi, A.M Afonso, "Vacuum-assisted headspace-solid phase microextraction for determining volatile free fatty acids and phenols. Investigations on the effect of pressure on competitive adsorption phenomena in a multicomponent system", *Analytica Chimica Acta*, 2017, 962, 41-51 (<http://dx.doi.org/10.1016/j.aca.2017.01.056>)
75. M.-L. Glykioti, E. Yiantzi, E. Psillakis\*, "Room temperature determination of earthy-musty odor compounds in water using vacuum-assisted headspace solid-phase microextraction", *Analytical Methods*, 2016, 8(45), 8065-8071 (<http://dx.doi.org/10.1039/C6AY02210C>)
74. R. Zouboulaki, E. Psillakis\*, "Fast determination of aqueous fullerene C60 aggregates by vortex-assisted liquid-liquid microextraction and liquid chromatography-mass spectrometry" *Analytical Methods*, 2016, 8(24), 4821-4827 (<http://dx.doi.org/10.1039/c6ay00885b>)
73. E. Yiantzi, N. Kalogerakis, E. Psillakis\*, "Design and testing of a new sampler for simplified vacuum-assisted headspace solid-phase microextraction" *Analytica Chimica Acta*, 2016, 927, 46-54 (<http://dx.doi.org/10.1016/j.aca.2016.05.001>)
72. C.-E. Nika, E. Yiantzi, E. Psillakis\* "Plastic pellets sorptive extraction: Low-cost, rapid and efficient extraction of polycyclic aromatic hydrocarbons from environmental waters" *Analytica Chimica Acta*, 2016, 922, 30-36 (<http://dx.doi.org/10.1016/j.aca.2016.03.037>)
71. E. Yiantzi, N. Kalogerakis, E. Psillakis\*, "Vacuum-Assisted Headspace Solid Phase Microextraction of Polycyclic Aromatic Hydrocarbons from Solid Samples" *Analytica Chimica Acta*, 2015, 890, 108-116 (<http://dx.doi.org/10.1016/j.aca.2015.05.047>)
70. I. Roman, A. Mastromihali, K. Tyrovola, A. Canals, E. Psillakis\*, "Rapid Determination of Octanol-Water Partition Coefficient using Vortex-Assisted Liquid-Liquid Microextraction" *Journal of Chromatography A*, 2014, 1330, 1-5 (<http://dx.doi.org/10.1016/j.chroma.2014.01.003>)
69. E. Psillakis\*, E. Yiantzi, N. Kalogerakis, "Downsizing Vacuum-Assisted Headspace Solid Phase Microextraction" *Journal of Chromatography A*, 2013, 1300, 119-126 (<http://dx.doi.org/10.1016/j.chroma.2013.02.009>)
68. L. Sanchez-Prado, K. Kalafata, S. Risticovic, J. Pawliszyn, M. Lores, M. Llompert, N. Kalogerakis, E. Psillakis\*, "Ice photolysis of 2,2',4,4',6-pentabromodiphenyl ether (BDE-100): Laboratory investigations using solid phase microextraction" *Analytica Chimica Acta*, 2012, 742, 90-96 (<http://dx.doi.org/10.1016/j.aca.2012.06.012>)
67. E. Psillakis\*, A. Mousouraki, E. Yiantzi, N. Kalogerakis, "Effect of Henry's Law Constant and Operating Parameters on Vacuum-Assisted Headspace Solid Phase Microextraction" *Journal of Chromatography A*, 2012, 1244, 55-60 (<http://dx.doi.org/10.1016/j.chroma.2012.05.006>)
66. E. Psillakis\*, E. Yiantzi, L. Sanchez-Prado, Nicolas Kalogerakis, "Vacuum-Assisted Headspace Solid Phase Microextraction: Improved Extraction of Semivolatiles by Non-Equilibrium Headspace Sampling under Reduced Pressure Conditions" *Analytica Chimica Acta*, 2012, 742, 30-36 (<http://dx.doi.org/10.1016/j.aca.2012.01.019>)
65. N. Ratola, J. M. Amigo, S. Lacorte, D. Barceló, E. Psillakis, A. Alves, "Comparison of PAH-Levels and sources in pine needles from Portugal Spain and Greece" *Analytical Letters* 2012, 45(1-2), 508-525 (<http://dx.doi.org/10.1080/00032719.2011.649452>).
64. A. Papadopoulou, I.P Román, A. Canals, K. Tyrovola, E. Psillakis\*, "Fast screening of perfluorooctane sulfonate in water using vortex-assisted liquid-liquid microextraction coupled to liquid chromatography-mass spectrometry" *Analytica Chimica Acta*, 2011, 691(1-2), 56-61 (<http://dx.doi.org/10.1016/j.aca.2011.02.043>)

63. F.E. Stamati, N.P. Nikolaidis, D. Venieri, E. Psillakis, N. Kalogerakis, "Dissolved organic nitrogen as an indicator of livestock impacts on soil biochemical quality" *Applied Geochemistry*, 2011, 26, S340–S343 (<http://dx.doi.org/10.1016/j.apgeochem.2011.03.070>)
62. N. Ratola, A. Alves, E. Psillakis\*, "Biomonitoring of Polycyclic Aromatic Hydrocarbons Contamination in the Island of Crete Using Pine Needles" *Water, Air, Soil Pollution*, 2011, 215(1-4), 189-203 (<http://dx.doi.org/10.1007/s11270-010-0469-y>)
61. P. Karageorgos, M. Latos, C. Mpasiakos, E. Chalarakis, E. Dimitrakakis, C. Daskalakis, E. Psillakis, M. Lazaridis, N. Kalogerakis, "Characterization and Dispersion Modelling of Odors from a Piggery Facility" *Journal of Environmental Quality*, 2010, 39, 2170–2178 (<http://dx.doi.org/10.2134/jeq2010.0083>)
60. N. Barakat D.P. Makris, P. Kefalas, E. Psillakis, "Removal of olive mill waste water phenolics using a crude peroxidase extract from onion by-products" *Environmental Chemistry Letters*, 2010, 8(3), 271-275 (<http://dx.doi.org/10.1007/s10311-009-0216-z>)
59. M.J. Bonne, E. Galbraith, T.D. James, M.J. Wasbrough, K.J. Edler, A. Toby, A. Jenkins, M. Helton, A. McKee, W. Thielemans, E. Psillakis, F. Marken, "Boronic acid dendrimer receptor modified nanofibrillar cellulose membranes" *Journal of Materials Chemistry*, 2010, 20, 588–594 (<http://dx.doi.org/10.1039/b918308f>)
58. E. Yiantzi, E. Psillakis\*, K. Tyrovolas, N. Kalogerakis, "Vortex-assisted liquid-liquid microextraction of octylphenol, nonylphenol and bisphenol-A" *Talanta*, 2009, 80(5), 2057-2062 (<http://dx.doi.org/10.1016/j.talanta.2009.11.005>)
57. J. Regueiro, M. Llompert, E. Psillakis, J.C. Garcia-Monteagudo, C. Garcia-Jares, "Ultrasound-assisted emulsification–microextraction of phenolic preservatives in water" *Talanta*, 2009, 79(5), 1387-1397 (<http://dx.doi.org/10.1016/j.talanta.2009.06.015>)
56. L. Sanchez-Prado, S. Risticvic, J. Pawliszyn and E. Psillakis\*, "Low temperature SPME device: a convenient and effective tool for investigating photodegradation of volatile analytes" *Journal of Photochemistry and Photobiology A: Chemistry*, 2009, 206, 227–230 (<http://dx.doi.org/10.1016/j.jphotochem.2009.07.009>)
55. E. Psillakis, J. Cheng, M. R. Hoffmann, A. J. Colussi, "Enrichment factors of perfluoroalkyl oxoanions at the air/water interface" *Journal of Physical Chemistry A*, 2009, 113(31), 8826-8829 (<http://dx.doi.org/10.1021/jp902795m>)
54. J. Cheng, E. Psillakis, M. R. Hoffmann, A. J. Colussi, "Acid Dissociation versus Molecular Association of Perfluoroalkyl Oxoacids: Environmental Implications" *Journal of Physical Chemistry A*, 2009, 113(29), 8152-8156 (<http://dx.doi.org/10.1021/jp9051352>)
53. K. Tsourounaki, M.J. Bonné, W. Thielemans, E. Psillakis, M. Helton, A. McKee, F. Marken, "Nano-Fibrillar Cellulose-Chitosan Composite Film Electrodes: Competitive Binding of Triclosan,  $\text{Fe}(\text{CN})_6^{3-/4-}$ , and SDS Surfactant" *Electroanalysis*, 2008, 20(22), 2395-2402 (<http://dx.doi.org/10.1002/elan.200804338>)
52. N. Ratola, A. Alves, N. Kalogerakis, E. Psillakis\*, "Hollow fibre liquid phase microextraction: A simple and fast cleanup step used for PAHs determination in pine needles" *Analytica Chimica Acta*, 2008, 618(1), 70-78 (<http://dx.doi.org/10.1016/j.aca.2008.04.054>)
51. L. Vidal, A. Chisvert, A. Canals, E. Psillakis, A. Lapkin, F. Acosta, K.J. Edler, J.A. Holdaway, F. Marken, "Chemically surface-modified carbon nanoparticle carrier for phenolic pollutants: Extraction and electrochemical determination of benzophenone-3 and triclosan" *Analytica Chimica Acta*, 2008, 616(1), 28-35 (<http://dx.doi.org/10.1016/j.aca.2008.04.011>)
50. L. Sanchez-Prado, R. Barro, C. Garcia-Jares, M. Llompert, M. Lores, C. Petrakis, N. Kalogerakis, D. Mantzavinos, E. Psillakis\*, "Sonochemical degradation of triclosan in water and wastewater" *Ultrasonics Sonochemistry*, 2008, 15(5), 689-694 (<http://dx.doi.org/10.1016/j.ultsonch.2008.01.007>)
49. M.J. Bonné, K. Edler, J.G. Buchanan, D. Wolverson, W. Thielemans, E. Psillakis, M. Helton, F. Marken, "Thin Film Modified Electrodes with Reconstituted Cellulose-PDDAC Films for the Accumulation and Detection of Triclosan" *Journal of Physical Chemistry C*, 2008, 112(7), 2660-2666 (<http://dx.doi.org/10.1021/jp709783k>)
48. F.J. Pena Pereira, C. Bendicho, N. Kalogerakis, E. Psillakis\*, "Headspace single drop microextraction of methylcyclopentadienyl-manganese tricarbonyl from water samples followed by gas chromatography-mass spectrometry" *Talanta*, 2007, 74(1), 47–51 (<http://dx.doi.org/10.1016/j.talanta.2007.05.024>)
47. M. A. Ghanem, R. G. Compton, B. A. Coles, E. Psillakis, M. A. Kulandainathan, F. Marken, "Microwave Activation of Electrochemical Processes: High Temperature Phenol and Triclosan Electro-oxidation at Carbon and Diamond Electrodes" *Electrochimica Acta*, 2007, 53(3), 1092-1099 (<http://dx.doi.org/10.1016/j.electacta.2007.01.065>)
46. O. Mihás, N. Kalogerakis, E. Psillakis\*, "Photolysis of 2,4-dinitrotoluene in various water solutions: effect of dissolved species" *Journal of Hazardous Materials*, 2007, 146(3), 535-539 (<http://dx.doi.org/10.1016/j.jhazmat.2007.04.054>)
45. M. Amiri, S. Shahrokhian, E. Psillakis, F. Marken "Electrostatic Accumulation and Determination of Triclosan in Ultrathin Carbon Nanoparticle Composite Film Electrodes" *Analytica Chimica Acta*, 2007, 593(1), 117-122 (<http://dx.doi.org/10.1016/j.aca.2007.04.042>)

44. L. Vidal, C.E Domini, N. Grané, E. Psillakis, A. Canals, "Microwave-assisted headspace single-drop microextraction of chlorobenzenes from water samples" *Analytica Chimica Acta*, 2007, 592(1), 9-15 (<http://dx.doi.org/10.1016/j.aca.2007.03.066>)
43. D. E. Kritikos, N.P. Xekoukoulotakis, E. Psillakis, D. Mantzavinou, "Photocatalytic degradation of reactive black 5 in aqueous solutions: Effect of operating conditions and coupling with ultrasound irradiation" *Water Research*, 2007, 41(10), 2236-2246 (<http://dx.doi.org/10.1016/j.watres.2007.01.048>)
42. L. Vidal, E. Psillakis, C. E. Domini, N. Grané, F. Marken, A. Canals, "An ionic liquid as a solvent for headspace single drop microextraction of chlorobenzenes from water samples" *Analytica Chimica Acta*, 2007, 584(1), 189-195 (<http://dx.doi.org/10.1016/j.aca.2006.10.053>)
41. D. Mekiki, N. Kalogerakis, E. Psillakis\* "Application of Solid-Phase Microextraction for the Analysis of Nitropolycyclic Aromatic Hydrocarbons in Water" *Chromatographia*, 2006, 63(1-2), 85-89 (<http://dx.doi.org/10.1365/s10337-005-0693-6>)
40. M. Gotsi, N. Kalogerakis, E. Psillakis, P. Samaras, D. Mantzavinou, "Electrochemical oxidation of olive mill wastewater" *Water Research*, 2005, 39(17), 4177-4187 (<http://dx.doi.org/10.1016/j.watres.2005.07.037>)
39. L. Vidal, A. Canals, N. Kalogerakis, E. Psillakis\*, "Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples" *Journal of Chromatography A*, 2005, 1089(1-2), 25-30 (<http://dx.doi.org/10.1016/j.chroma.2005.06.058>)
38. M. Charalabaki, E. Psillakis\*, D. Mantzavinou, N. Kalogerakis, "Analysis of polycyclic aromatic hydrocarbons in wastewater treatment plant effluents using hollow fibre liquid-phase microextraction" *Chemosphere*, 2005, 60(5), 690-698 (<http://dx.doi.org/10.1016/j.chemosphere.2005.01.040>)
37. N. Kalogerakis, E. Psillakis, P. Alvarez, "Special issue: recent advances in bioremediation – Preface" *Environment International*, 2005, 31(2), 147 (<http://dx.doi.org/10.1016/j.envint.2004.09.007>)
36. D. Atanassova, P. Kefalas, E. Psillakis\*, "Measuring the antioxidant activity of olive-oil mill wastewater using chemiluminescence" *Environment International*, 2005, 31(2), 275-280 (<http://dx.doi.org/10.1016/j.envint.2004.10.003>)
35. D. Atanassova, P. Kefalas, C. Petrakis, D. Mantzavinou, N. Kalogerakis, E. Psillakis\*, "Sonochemical reduction of the antioxidant activity of olive mill wastewater" *Environment International*, 2005, 31(2), 281-287 (<http://dx.doi.org/10.1016/j.envint.2004.10.004>)
34. E. Manousaki, E. Psillakis\*, D. Mantzavinou, N. Kalogerakis, "Degradation of sodium dodecylbenzenesulfonate in water by means of ultrasonic irradiation" *Water Research*, 2004, 38(17), 3751-3759 (<http://dx.doi.org/10.1016/j.watres.2004.06.002>)
33. C. Vassilakis, A. Pantidou, E. Psillakis, N. Kalogerakis, D. Mantzavinou, "Sonolysis of natural phenolic compounds in aqueous solutions: Effect of operating conditions, reaction intermediates and pathways and aerobic biodegradability" *Water Research*, 2004, 38(13), 3110-3118 (<http://dx.doi.org/10.1016/j.watres.2004.04.014>)
32. D.A. Lambropoulou, E. Psillakis, T.A. Albanis, N. Kalogerakis, "Single-drop microextraction for the analysis organophosphorus insecticides in water" *Analytica Chimica Acta*, 2004, 516(1-2), 205-211 (<http://dx.doi.org/10.1016/j.aca.2004.03.055>)
31. E. Psillakis, G. Goula, N. Kalogerakis, D. Mantzavinou, "Degradation of polycyclic aromatic hydrocarbons in aqueous solutions by ultrasonic irradiation" *Journal of Hazardous Materials*, 2004, B108(1-2), 95-102 (<http://dx.doi.org/10.1016/j.jhazmat.2004.01.004>)
30. D. Mantzavinou, E. Psillakis, "Enhancement of biodegradability of industrial wastewaters by chemical oxidation pre-treatment" *Journal of Chemical Technology and Biotechnology*, 2004, 79(5), 431-454 (<http://dx.doi.org/10.1002/jctb.1020>)
29. E. Psillakis\*, D. Mantzavinou, N. Kalogerakis, "Monitoring the sonochemical degradation of phthalate esters in water using Solid-Phase Microextraction" *Chemosphere*, 2004, 54(7), 849-857 (<http://dx.doi.org/10.1016/j.chemosphere.2003.09.039>)
28. E. Psillakis\*, D. Mantzavinou, N. Kalogerakis, "Development of a hollow fibre liquid phase microextraction method to monitor the sonochemical degradation of explosives in water" *Analytica Chimica Acta*, 2004, 501(1), 3-10 (<http://dx.doi.org/10.1016/j.aca.2003.09.015>)
27. E. Psillakis\* and N. Kalogerakis, "Developments in liquid-phase microextraction" *TrAC-Trends Analytical Chemistry*, 2003, 22(10), 565-574 ([http://dx.doi.org/10.1016/S0165-9936\(03\)01007-0](http://dx.doi.org/10.1016/S0165-9936(03)01007-0))
26. E. Psillakis\*, N. Kalogerakis, "Hollow-Fibre Liquid-Phase Microextraction of phthalate esters from water" *Journal of Chromatography A*, 2003, 999(1-2), 145-153 ([http://dx.doi.org/10.1016/S0021-9673\(03\)00390-X](http://dx.doi.org/10.1016/S0021-9673(03)00390-X))
25. E. Psillakis\*, A. Ntelekos, D. Mantzavinou, E. Nikolopoulos, N. Kalogerakis, "Solid-Phase Microextraction to monitor the sonochemical degradation of Polycyclic Aromatic Hydrocarbons in water" *Journal of Environmental Monitoring*, 2003, 5(1), 135-140 (<http://dx.doi.org/10.1039/b208970j>)
24. E. Psillakis, N. Kalogerakis, "Determination of phthalates in bottled Greek mineral water using SPME/GC-MS" *Protection and Restoration of the Environment VI*, July 2-5, 2002, Skiathos, Greece
23. E. Psillakis, N. Kalogerakis, "Developments in single-drop Microextraction" *TrAC-Trends Analytical Chemistry*, 2002, 21(1), 53-63 ([http://dx.doi.org/10.1016/S0165-9936\(01\)00126-1](http://dx.doi.org/10.1016/S0165-9936(01)00126-1))

22. E. Psillakis and N. Kalogerakis, "Solid-Phase Microextraction versus single drop microextraction for the analysis of nitroaromatic explosives in water samples" *Journal of Chromatography A*, 2001, 938(1-2), 113-120 ([http://dx.doi.org/10.1016/S0021-9673\(01\)01417-0](http://dx.doi.org/10.1016/S0021-9673(01)01417-0))
21. E. Psillakis, N. Kalogerakis, "Application of solvent microextraction to the analysis of nitroaromatic explosives in water samples" *Journal of Chromatography A*, 2001, 907(1-2), 211-219 ([http://dx.doi.org/10.1016/S0021-9673\(00\)01017-7](http://dx.doi.org/10.1016/S0021-9673(00)01017-7))
20. E. Psillakis, P.K.A. Shoenfield, A.A. Jouaiti, J.P. Maher, J.A. McCleverty, M.D. Ward, "Redox-mediation of electron-electron spin-spin interactions, |J|, in paramagnetic trinuclear molybdenum complexes: an example of a 'J switch'" *Journal of the Chemical Society-Dalton Transactions*, 2000, (3), 241-249 (<http://dx.doi.org/10.1039/a908323e>)
19. P.K.A. Shoenfield, A. Behrendt, J.C. Jeffery, J.P. Maher, J.A. McCleverty, E. Psillakis, M.D. Ward, C. Western, "Very weak electron-electron exchange interactions in paramagnetic dinuclear tris(pyrazolyl)borato-molybdenum centres with extended bridging ligands: estimation of the exchange coupling constant J by simulation of second-order EPR spectra" *Journal of the Chemical Society-Dalton Transactions*, 1999, (24), 4341-4347 (<http://dx.doi.org/10.1039/a908138k>)
18. K.L.V. Mann, E. Psillakis, J.C. Jeffery, L.H. Rees, N.M. Harden, J.A. McCleverty, M.D. Ward, D. Gatteschi, F. Totti, F.E. Mabbs, E.J.L. McInnes, P.C. Riedi, G.M. Smith, "Tetranuclear grid-like copper(II) complexes with pyrazolate bridges: syntheses, structures, magnetic and EPR spectroscopic properties" *Journal of the Chemical Society-Dalton Transactions*, 1999, (3), 339-348 (<http://dx.doi.org/10.1039/a807599i>)
17. C.A. Otter, S.M. Couchman, J.C. Jeffery, K.L.V. Mann, E. Psillakis, M.D. Ward, "Complexes of a new bidentate chelating pyridyl/sulfonamide ligand with copper(II), cobalt(II) and palladium(II): crystal structures and spectroscopic properties" *Inorganica Chimica Acta*, 1998, 278(2), 178-184 ([http://dx.doi.org/10.1016/S0020-1693\(98\)00018-8](http://dx.doi.org/10.1016/S0020-1693(98)00018-8))
16. J.C. Jeffery, P.A. Jelliss, E. Psillakis, G.E. Rudd, F.G.A. Stone, "Synthesis, crystal structure and some reactions of the ruthenacarborane complex [Ru(CO)<sub>2</sub>(MeCCPh) (h<sup>5</sup>-7,8-C<sub>2</sub>B<sub>9</sub>H<sub>11</sub>)]" *Journal of Organometallic Chemistry*, 1998, 562(1), 17-27 ([http://dx.doi.org/10.1016/S0022-328X\(98\)00363-5](http://dx.doi.org/10.1016/S0022-328X(98)00363-5))
15. J.S. Fleming, K.L.V. Mann, C.A. Carraz, E. Psillakis, J.C. Jeffery, J.A. McCleverty, M.D. Ward, "Anion-templated assembly of a supramolecular cage complex" *Angewandte Chemie-International Edition*, 1998, 37(9), 1279-1281 ([http://dx.doi.org/10.1002/\(SICI\)1521-3773\(19980518\)37:9<1279::AID-ANIE1279>3.0.CO;2-Q](http://dx.doi.org/10.1002/(SICI)1521-3773(19980518)37:9<1279::AID-ANIE1279>3.0.CO;2-Q))
14. J.S. Fleming, E. Psillakis, J.C. Jeffery, K.L.V. Mann, J.A. McCleverty, M.D. Ward, "Preparation of the new podant ligand S=P(pzpy)<sub>3</sub> [pzpy = 3-(2-pyridyl)-pyrazol-1-yl], and the syntheses and the crystal structures of copper(II) and copper(I) complexes of its hydrolysis product [O<sub>2</sub>P(pzpy)<sub>2</sub>] and a double helical copper(I) complex of [O<sub>2</sub>P(pzpy)]" *Polyhedron*, 1998, 17(10), 1705-1714 ([http://dx.doi.org/10.1016/S0277-5387\(97\)00449-X](http://dx.doi.org/10.1016/S0277-5387(97)00449-X))
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1. D.A. Bardwell, J.G. Crossley, J.C. Jeffery, A.G. Orpen, E. Psillakis, E.M. Tilley, M.D. Ward, "A study of crystal-packing in a series of closely related square-planar Palladium(II) and Platinum(II) complexes" *Polyhedron*, 1994, 13(15-16), 2291-2300 ([http://dx.doi.org/10.1016/S0277-5387\(00\)88139-5](http://dx.doi.org/10.1016/S0277-5387(00)88139-5))

#### Under review

- E. Kourouniotti, E. Psillakis\*, D. Vione, UV-induced transformation of 2,3-dibromo-5,6-dimethyl-1,4-benzoquinone (DBDMBQ) in water and treated wastewater, Submitted to Environmental Research, Elsevier
- M. Vakinti, S.-M. Mela, E. Fernández, E. Psillakis\*, Room temperature and sensitive determination of haloanisoles in wine using vacuum-assisted headspace solid-phase microextraction, Submitted to Journal of Chromatography A, Elsevier

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\*Corresponding author

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#### CHAPTERS IN BOOKS

1. N. Ratola, J.M. Amigo, S. Lacorte, D. Barceló, E. Psillakis, A. Alves, "Biomonitoring of Polycyclic Aromatic Hydrocarbons by Pine Needles—Levels and Trends in Southern Europe" In: Handbook of Polycyclic Aromatic Hydrocarbons: Chemistry, Occurrence and Health Issues, Editors: Guilherme C. Bandeira and Henrique E. Meneses, Nova Science Publishers Inc., New York, 2013, pp. 83-114 (ISBN: 978-1-62257-473-5).
2. E. Psillakis, V. Gekas, Odor problems in the food industry, Springer, New York, 2006, pp 1-14 (ISBN 0-387-33510-2).
3. E. Psillakis, Odor measurement, Springer, New York, 2006, pp 15-40 (ISBN 0-387-33510-2).
4. E. Psillakis, Preconcentration prior to gas chromatography, Springer, New York, 2006, pp 41-46 (ISBN 0-387-33510-2).
5. A. Skilourakis, E. Psillakis, Endocrine disrupting compounds in olive oil, Integrating Safety and Environmental Knowledge Into Food Studies towards European Sustainable Development, Springer, 2007, Volume 6, pp 21-27 (DOI: 10.1007/978-0-387-45679-9).

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#### EDITORIAL BOARD- GUEST EDITOR IN SPECIAL ISSUES-CONFERENCE CHAIR

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#### Guest Editor

- Analytica Chimica Acta (Elsevier), Virtual Special Issue devoted to ExTech@2014, 16<sup>th</sup> International Symposium on Advances in Extraction Technologies; Guest Editors: E. Psillakis, J. Pawliszyn
- Molecules (MDPI), Virtual Special Issue: Microextraction. Guest Editor: E. Psillakis (ISSN 1420-3049)
- Environment International (Elsevier), Special Issue devoted to Bioremediation II, 2005, 31(2), 147-312, Guest Editors: P. J. Alvarez, N. Kalogerakis, E. Psillakis (ISSN 0160 4120)
- Water, Air, and Soil Pollution: Focus, Special Issue devoted to Bioremediation I (Kluwer Academic Publishers), 2003, 3(3), 5-298, Guest Editors: N. Kalogerakis, E. Psillakis (ISSN 1567-7230)

#### Conference chair/Course organizer

- Symposium Chair, 16<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2014, May 26-28, 2014, Chania, Greece
- 2018 Sample preparation summer course, Course Organizer, August 22-24, 2018, Chania, Greece
- 2017 Sample preparation summer course, Course Organizer, July 3-6, 2017, Chania-Crete, Greece

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### INVITED ORAL CONTRIBUTIONS

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#### Plenary/Keynote/Invited lectures at conferences

1. E. Psillakis, "Emerging and Persistent Organic Pollutants in Aquatic Environment" Keynote lecture presented at the International Symposium "The Environment and The Industry", September 20-21 2018, Bucharest, Romania.
2. E. Psillakis, "Emerging and persistent organic compound: an ever-growing problem", Plenary lecture at the XVII Congress of the Chemistry of the Environment and Cultural Heritages, Italian Association of Chemists July 24-27, 2018, Genoa, Italy.
3. M. Vakinti, N. Solomou, S.-M. Mela, N. Koutela, E. Gionfriddo, J. Pawliszyn and E. Psillakis, Vacuum-assisted headspace (micro)extraction expands to new methods, complex matrices and automation, Keynote lecture presented at the 20th International Symposium on Advances in Extraction Technologies (ExTech2018), June 19-22, 2018, Ames, Iowa, USA
4. N. Koutela, M. Vakinti and E. Psillakis, "Microextraction: An ideal platform to analyze and simulate the environment", Keynote lecture presented at 18<sup>th</sup> European Meeting on Environmental Chemistry (EMEC), November 26-29, 2017, Porto, Portugal.
5. N. Koutela, M. Vakinti and E. Psillakis, "Microextraction: Think big, act small", 19th International Symposium on Advances in Extraction Technologies (ExTech2017), July 27-30, 2017, Santiago de Compostela, Spain
6. E. Yiantzi, M.-L. Glykioti and Elia Psillakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction Revisited", 18th International Symposium on Advances in Extraction Technologies & 22nd International Symposium on Separation Sciences (ExTech-ISSS'2016), July 03-06, 2016, Torun, Poland
7. E. Psillakis, E. Yiantzi, E. Nika, R. Zouboulaki and M.-L. Glykioti "Sorptive microextraction: so simple and yet so complex" XVI Latin-American Congress on Chromatography-9th National Meeting on Chromatography, XVICOLACRO-9ENC, January 5-9 2016, Lisbon, Portugal
8. E. Nika, E. Yiantzi, N. Kalogerakis, E. Psillakis "Sorbent-Based Sorptive Microextraction: The underestimated power of using low cost and easy to reach materials as sorbents" 17th International Symposium on Advances in Extraction Technologies, ExTech@2015 November 7-10 2015, Guangzhou, China Republic
9. E. Psillakis "A Novel Design for Vacuum-Assisted Headspace Solid-Phase Microextraction" 38th International Symposium on Capillary Chromatography, ISCC2014, May 18-23, 2014, Riva del Garda, Italy
10. E. Psillakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction: Low volatility compounds take the fast lane" 15th International Symposium on Advances in Extraction Technologies, ExTech@2013, August 4-7 2013, João Pessoa, Paraíba, Brazil
11. E. Psillakis, "Monitoring the degradation of micropollutants in water using LPME" PITTCON, March 12-17, 2006, Orlando, Florida, USA

#### Departmental talks

1. E. Psillakis "Emerging and Persistent Organic Pollutants in Aquatic Environments: Mega-sized concerns from a nano-sized world", March 16, 2018, Guangxi University, Nanning, P.R. China
2. E. Psillakis, "Unlocking the sample prep box", March 13, 2018, Sun Yat-sen University, Guangzhou, P.R. China
3. E. Psillakis "Sample preparation: think big, act small", November 28, 2017, University of Porto, Portugal
4. E. Psillakis "Sample preparation: think big, act small", February 9, 2017, Department of Chemistry, University of Waterloo, Canada
5. E. Psillakis "Microextraction and environmental analysis: think big, act small", December 20, 2016, Department of Analytical Chemistry, University of Valencia, Spain

6. E. Psillakis "Emerging and Persistent Organic Pollutants in Aquatic Environments: Mega-sized concerns from a nano-sized world", January 29, 2015, Department of Civil and Environmental Engineering, Stanford University, San Francisco, USA
7. E. Psillakis "Environmental analytical chemistry: It is all about engineering", January 27, 2015, Sonny Astani Department of Civil & Environmental Engineering, University of Southern California, USA
8. E. Psillakis "Emerging and Persistent Organic Pollutants in Aquatic Environment: Mega-sized concerns from a nano-sized world" April 1, 2014, Sonny Astani Department of Civil & Environmental Engineering, University of Southern California, USA

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## CONFERENCE PROCEEDINGS

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### Short Abstracts in Conference Proceedings

1. M. Vakinti, N. Solomou, S.-M. Mela, N. Koutela, E. Gionfriddo, J. Pawliszyn and E. Psillakis, "Vacuum-assisted headspace (micro)extraction expands to new methods, complex matrices and automation", 42nd International Symposium on Capillary Chromatography, May 15-18, 2018, Riva del Garda, Italy.
2. N. Koutela, M. Vakinti and E. Psillakis, "Microextraction: An ideal platform to analyze and simulate the environment", Keynote lecture to be presented at the 18<sup>th</sup> European Meeting on Environmental Chemistry (EMEC), November 26-29, 2017, Porto, Portugal.
3. N. Koutela, M. Vakinti and E. Psillakis, "Microextraction: Think big, act small", 19th International Symposium on Advances in Extraction Technologies (ExTech2017), July 27-30, 2017, Santiago de Compostela, Spain.
4. E. Yiantzi, M.-L. Glykioti and Elia Psillakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction Revisited", 18th International Symposium on Advances in Extraction Technologies & 22nd International Symposium on Separation Sciences (ExTech-ISSS'2016), July 03-06, 2016, Torun, Poland
5. E. Yiantzi, M.-L. Glykioti, M. Celeiro Montero, M. Llompert and E. Psillakis, Exploiting the versatility of Vacuum-Assisted Headspace Solid-Phase Microextraction, 40th International Symposium on Capillary Chromatography, May 29 - June 03, 2016, Riva del Garda, Italy
6. E. Psillakis, E. Yiantzi, E. Nika, R. Zouboulaki and M.-L. Glykioti, "Sorptive microextraction: so simple and yet so complex", 16th Latin-American Congress on Chromatography (XVI COLACRO) and the 9th National Meeting on Chromatography (9ENC), 5-9 January, 2016, Lisbon, Portugal
7. E. Dovrou, E. Psillakis "Photolysis of Aqueous Fullerene C60 agglomerates in Environmental Waters" 17th International Symposium on Advances in Extraction Technologies, ExTech@2015, November 7 – 11, Guangzhou Guangdong China
8. E. Nika, E. Yiantzi, N. Kalogerakis, E. Psillakis "Sorbent-Based Sorptive Microextraction: The underestimated power of using low cost and easy to reach materials as sorbents" Keynote Lecture, 17th International Symposium on Advances in Extraction Technologies, ExTech@2015, November 7 – 11, Guangzhou Guangdong China
9. E. Yiantzi, E. Psillakis, "Application of a new vacuum-assisted headspace SPME experimental setup to the analysis of PCB's in water" 30th International Symposium on Chromatography, ISC2014, September 14-18, 2014 Salzburg, Austria
10. E. Yiantzi, N. Kalogerakis, E. Psillakis, "Vacuum – Assisted HSSPME Application for the Extraction of PAHs from Sandy Soil Samples" 16<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2014, May 26-28, 2014, Chania, Greece
11. E. Psillakis "A Novel Design for Vacuum-Assisted Headspace Solid-Phase Microextraction" 38<sup>th</sup> International Symposium on Capillary Chromatography, ISCC2014, May 18-23, 2014, Riva del Garda, Italy
12. E. Psillakis, "Vacuum-assisted headspace solid-phase microextraction 13<sup>th</sup> Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, January 28-31, 2014, Bruges, Belgium
13. K. Tsourounaki, E. Psillakis "Application of solid phase microextraction to study the photolysis of di-n-propylisocinchomeronate in water" 8<sup>th</sup> International Conference Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2013, September 15-19, 2013, Thessaloniki, Greece
14. E. Psillakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction: Low volatility compounds take the fast lane" 15<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2013, August 4-7, 2013, Joao Pessoa, Brazil
15. A. Perraki, C. Giatatzi, S. Kyparisi, N. Kalogerakis, E. Psillakis, "Beached plastic resin pellets used to measure PCBs and PAHs in the Cretan seawater" 15<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2013, August 4-7, 2013, Joao Pessoa, Brazil
16. E. Psillakis, N. Kalogerakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction: Improved extraction of semivolatiles" 14<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2012, September 24–26, 2012, Messina, Italy
17. K. Kalafata, E. Psillakis, "Microplastics as a concentration medium for polybrominated compounds present in seawater" 3<sup>rd</sup> International Conference on Hazardous Waste Management, September 12-14, 2012, Chania, Greece



18. G. Aroniada, K. Tsourounaki, E. Psillakis, "Photodegradation of methylparaben in various environmental aqueous solutions by 254 nm irradiation" 3<sup>rd</sup> International Conference on Hazardous Waste Management, September 12-14, 2012, Chania, Greece
19. E. Psillakis, N. Kalogerakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction: Improved extraction of semivolatiles" 36<sup>th</sup> International Symposium on Capillary Chromatography and 9<sup>th</sup> GCxGC Symposium, May 27 - June 1, 2012, Riva del Garda, Italy
20. E. Psillakis, N. Kalogerakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction" 14<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2011, September 27 – 29, 2011, Kuala Lumpur, Malaysia
21. A. Mousouraki, E. Yiantzi, N. Kalogerakis, E. Psillakis "Vacuum-Assisted Headspace Solid-Phase Microextraction of polycyclic aromatic hydrocarbon from water samples" 7<sup>th</sup> International Conference Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2011, September 18-22, 2011, Chania, Crete Greece
22. E. Yiantzi, N. Kalogerakis, E. Psillakis "Automation Possibilities for Vacuum-Assisted Headspace Solid-Phase Microextraction" 7<sup>th</sup> International Conference Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2011, September 18-22, 2011, Chania, Greece
23. E. Psillakis, N. Kalogerakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction" 7<sup>th</sup> International Conference Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2011, September 18-22, 2011, Chania, Greece
24. P. Pittakaras, L. Sanchez-Prado, E. Psillakis, "Screening the presence of pyrethroid insecticide residues in edible oils by using hollow-fibre liquid phase microextraction" 5<sup>th</sup> European Conference on pesticides and related organic micropollutants in the environment, Pesticides 2008, October 22-24, 2008, Marseille, France
25. A. Palaioyianni, L. Sanchez-Prado, E. Psillakis, "Application of Headspace Solid Phase Microextraction to the Analysis of Organophosphorus Pesticides in Olive Oil" 5<sup>th</sup> European Conference on pesticides and related organic micropollutants in the environment, Pesticides 2008, October 22-24, 2008, Marseille, France
26. I. P. Román Falcó, A. Papadopoulou, K. Tyrovola, A. Canals, E. Psillakis "Analysis of polyfluorinated sulfonates in water samples by equilibrium solvent microextraction-liquid chromatography mass spectrometry" 12<sup>th</sup> Jornadas de Análisis Instrumenta, October 21-23, 2008, Barcelona, Spain
27. K. Kalafata, L. Sanchez-Prado, E. Koukouraki, E. Psillakis, "Matrix effects on the ice photodegradation of polybrominated flame retardants" 1<sup>st</sup> International Conference on Hazardous Waste Management, October 1-3, 2008, Chania, Greece
28. N. Ratola, A. Alves, N. Kalogerakis, E. Psillakis, "Hollow fiber liquid-phase microextraction to determine polycyclic aromatic hydrocarbons in pine needles Euroanalysis XIV Conference, September 9-14, 2008, Antwerp, Belgium
29. A. Papadopoulou, I. P. Román Falcó, K. Tyrovola, A. Canals, E. Psillakis, "Screening the presence of polyfluorinated sulfonates in water samples" 4<sup>th</sup> European Bioremediation Conference, September 3-6, 2008, Chania, Greece
30. F. Stamati, N. Nikolaidis, E. Psillakis, N. Kalogerakis "Organic nitrogen as a potential indicator of livestock grazing impacts on Mediterranean soil quality" EUROSOIL 2008-Soil -Society -Environment, August 25 – 29, 2008, Vienna, Austria
31. E. Psillakis "New sampling modes in Liquid-Phase Microextraction" 9<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2007, June 3-6, 2007, Ålesund, Norway
32. L. Sanches-Prado, C. Garcia-Jares, M. Llompert, M. Lores, E. Psillakis "Aqueous photodegradation of polybrominated diphenyl ethers: effect of matrix and comparison with ice photodegradation" 9<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2007, June 3-6, 2007, Ålesund, Norway
33. E. Giantzi, E. Psillakis "Determination of bisphenol A, nonyl- and octyl-phenol in water samples using the free microdrop preconcentration method 9<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2007, June 3-6, 2007, Ålesund, Norway
34. E. Giantzi, E. Psillakis "Trace analysis of nolyphenol, octylphenol and bisphenol A in water samples using free microdrop Microextraction" GSC-AON 2007 Joint meeting 1st Asian-Oceanian Conference on Green and Sustainable Chemistry and the 7th Annual Green and Sustainable Chemistry Symposium, March 7-9, 2007, Tokyo, Japan
35. E. Psillakis, "Monitoring the degradation of micropollutants in water using liquid-phase microextraction" EAAOP-1: First European Conference on Environmental Applications of Advanced Oxidation Processes, September 7-9, 2006, Chania, Greece
36. O. Mihás, N. Kalogerakis, E. Psillakis, "Photocatalytic degradation of 2,4-dinitrotoluene in various waters: effect of dissolved species" First European Conference on Environmental Applications of Advanced Oxidation Processes, EAAOP-1, September 7-9, 2006, Chania, Greece

37. R. Barro, C. Garcia-Jares, M. Llompart, N. Kalogerakis, D. Mantzavinos, E. Psillakis, "Development of a hollow-fibre liquid-phase microextraction method used for monitoring the sonochemical degradation of triclosan in water" Protection and Restoration of the Environment VIII, July 7-10, 2006, Chania, Greece
38. E. Psillakis, "Monitoring the degradation of micropollutants in water using LPME" PITTCON, March 12-17, 2006, Orlando, Florida, USA
39. E. Psillakis "Monitoring the sonochemical degradation of organic micropollutants using microextraction techniques" Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2005, October 2-6, 2005, Iraklion, Greece
40. P. Kefalas, S. Loupassaki, S. Bezzi, E. Psillakis, C. Petrakis, A.C. Calokerinos, "Chemiluminescence in the quality control of olive-oil" Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2005, October 2-6, 2005, Iraklion, Greece
41. D. Mantzavinos, E. Psillakis, "Enhancement of biodegradability of industrial wastewaters by chemical oxidation pre-treatment" 2<sup>nd</sup> European Bioremediation Conference, June 30-July 4 2003, Chania, Greece
42. E. Psillakis, N. Kalogerakis, "Hollow-fiber Liquid-Phase Microextraction of phthalate esters from water" 4<sup>th</sup> International Symposium on Advances in Extraction Technologies, ExTech@2002, July 3-5, 2002, Paris, France
43. E. Psillakis, N. Kalogerakis, "Solid-Phase Microextraction (SPME) versus single-drop microextraction (SDME) for the analysis of nitroaromatic explosives in water samples" 10<sup>th</sup> Symposium on Handling of Environmental and Biological Samples in Chromatography, April 1-4, 2001, Mainz, Germany
44. E. Psillakis, N. Kalogerakis, "Identification of volatile compounds in olive-oil mill wastewaters by headspace solid-phase microextraction and GC/MS" 10<sup>th</sup> Symposium on Handling of Environmental and Biological Samples in Chromatography, April 1-4, 2001, Mainz, Germany
45. E. Psillakis, N. Kalogerakis, "Trace analysis of explosives in soil samples using solid-phase microextraction (SPME) and GC/MS" 9<sup>th</sup> Symposium on Handling of Environmental and Biological Samples in Chromatography, October 10-13, 1999, Porto, Portugal

#### Peer-Reviewed Articles in Conference Proceedings

1. E. Psillakis, J. Cheng, M.R. Hoffmann, A.J. Colussi, "Enrichment factors of perfluoroalkyl anionic surfactants at the air/water interface. Implications for their global dispersal, 11<sup>th</sup> International Conference on the Environmental Science and Technology, CEST2009, September 3-5, 2009, Chania, Greece
2. E. Kastanaki, E. Psillakis, "Hollow fibre liquid phase microextraction of selected organochlorine pesticides" 10<sup>th</sup> International Conference on the Environmental Science and Technology, CEST2007, September 5-7, 2007, Cos, Greece
3. E. Giantzi, E. Psillakis, "Determination of bisphenol A, nonyl- and octyl-phenol in wastewater samples using a free microdrop preconcentration method" 10<sup>th</sup> International Conference on the Environmental Science and Technology CEST2007, September 5-7, 2007, Cos, Greece
4. M. Charalabaki, E. Psillakis, N. Kalogerakis, "Toxicity assessment of common chemicals found in the untreated influent of the WWTP at the Industrial Zone of Heraklion-Crete" 10<sup>th</sup> International Conference on the Environmental Science and Technology, CEST2007, September 5-7, 2007, Cos, Greece
5. E. Psillakis, D. Mantzavinos, A. Andreadakis, A. Tzimas, D. Mamais, M. Aghelopoulos, N. Kalogerakis, "Analysis of Organic Micro-Pollutants in Wastewater Treatment Plants using Solid-Phase Microextraction" Protection and Restoration of the Environment VII, June 28-July 1, 2004, Mykonos, Greece
6. K. Perdikea, E. Psillakis, N. Kalogerakis, "Solid-phase microextraction to determine the migration of phthalates from plastic-ware to drinking water" 8<sup>th</sup> International Conference on Environmental Science and Technology, September 1-4, 2003, Limnos, Greece
7. E. Psillakis, N. Kalogerakis and D. Mantzavinos, "Degradation of polycyclic aromatic hydrocarbons in aqueous solutions by ultrasonic irradiation" 3<sup>rd</sup> International Conference on Oxidation Technologies for Water and Wastewater Treatment, May 18-22, 2003, Goslar, Germany
8. E. Psillakis, N. Kalogerakis, "Determination of phthalates in bottled Greek mineral water using SPME/GC-MS" Protection and Restoration of the Environment VI, July 2-5, 2002, Skiathos, Greece
9. E. Psillakis, N. Kalogerakis, "Identification of volatile and semi-volatile compounds in olive-oil mill wastewater by headspace solid-phase microextraction and gas chromatography" 7<sup>th</sup> International Conference on Environmental Science and Technology, September 3-6, 2001, Syros, Greece
10. E. Psillakis, I. Nikolakaki, N. Kalogerakis, "Liquid Phase Microextraction (LPME) for the analysis of PAHs in Water Protection and Restoration of the Environment V, July 3-6, 2000, Thassos, Greece

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#### INTERVIEWS/ARTICLES IN ANALYTICAL CHEMISTRY MAGAZINES

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1. LCGC Europe's 30th Anniversary issue, "Sample Preparation: The State-of-the-Art", Chairperson: Doug Raynie, Participants: Hian-Kee Lee, Lourdes Ramos, Jared L. Anderson, Elia Psillakis, David Benanou. November 2017, Volume 30, Number 11.

2. The Analytical Scientist, "Unlocking the Sample Prep Black Box" by E. Psillakis, 2016, Issue 106.

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## PATENTS

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VACUUM ASSISTED HEADSPACE MICROEXTRACTION SAMPLING DEVICES AND METHODS, Patent pending, European Patent Office (Patent No: 24850335); Patent awarded from the Hellenic Industrial Property Organisation (20110100054)

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## RESEARCH PROJECTS

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1. Leaching of chemicals of environmental concern from used heated tobacco sticks to natural water and comparison with leaching from smoked conventional cigarettes, Role: Coordinator; Funding Source: PMI Science; Budget: € 99533; Duration: 2018-2020.
2. European network for the promotion of portable, affordable and simple analytical platforms, PortASAP; COST Action CA16215; Role: Work-group Leader; MC Member; Funding Source: COST Association; Budget: € 450000/year; Duration: 2017-2021.
3. New biotechnological approaches for biodegrading and promoting the environmental biotransformation of synthetic polymeric materials. Role: Research Collaborator; Funding Source: FP7-KBBE; Budget: € 4000000; Duration: 2012-2015.
4. Microalgae-bio-products. Role: Research Collaborator; National Strategic Reference Framework. Budget: € 146800 € Duration: 2012-2015
5. ULIXES: Unravelling and exploiting Mediterranean Sea microbial diversity and ecology for Xenobiotics' and pollutants' clean up. Role: Research Collaborator; Funding Source: FP7-Collaborative Research program; Budget: € 3902892 Duration: 2010-2014
6. Innovation Center of Crete. Role: Research Collaborator; Funding Source: Hellenic ministry of Finance and Competiveness (EEA grants); Budget: € 498800; Duration: 2011-2012.
7. Detection and fate of pharmaceuticals and personal care products in the environment. Role: Project Coordinator; Funding Source: Heraklitus II (Operational Programme "Education & Lifelong Learning"); Budget: € 45000; Duration: 2010-2013.
1. Development and application of methods and software for recording and evaluating Hellenic water quality data, Role: Research Collaborator; Funding Source: Hellenic Ministry of Environment, Energy and Climate Change; Budget: € 147600; Duration: 2010-2011.
2. Agricultural use of treated wastewater as an alternative water resource. Role: Research Collaborator; Funding Source: Hellenic ministry of Finance and Competiveness (EEA grants); Budget: € 318000; Duration: 2010-2011.
3. Characterisation of landfill leachates. Role: Research Collaborator; Sponsor: Chania Municipal Landfills Office; Budget: € 60000; Duration: 2009-2010.
4. Protection of fishery resources in Laconia after extensive maritime pollution. Role: Research Collaborator; Funding Source: Prefecture of Lakonia (E.P.AL, Operational Programme for Fisheries 2006-2010); Budget: € 600000; Duration: 2008-2009.
5. Initiatives for protection measures for the aquaculture and fishery resources of Kavala after marine pollution emergencies Role: Research Collaborator; Funding Source : Prefecture of Kavala (E.P.AL, Operational Programme for Fisheries 2006-2010); Budget: € 70000; Duration: 2008.
6. Integration of Environmental Friendly Technologies in Watershed Management Plans for the Minimization of Agricultural Pollution in the Evrotas River Basin, Role: Research Collaborator; Funding Source: LIFE-Environment demonstration projects; Budget: € 2800000; Duration: 2005-2009.
7. Development of new analytical methods used for the detection/analysis of nonylphenols in water samples (2005-2007). Role: Project Coordinator; Funding Source: Ministry of Education (EPEAEK-Pythagoras II-Support of Research Teams in Universities); Budget: € 90000; Duration: 2005-2007.
8. Novel environmental technologies for the determination and removal of triclosan from water. Role: Project Coordinator; Funding Source: General Secretariat for Research and Technology (GSRT)-Collaboration between Greece and Britain (University of Bath); Budget: € 11795; Duration: 2006-2008.
9. Development of a new and simple method for the determination of endocrine disrupters in olive oil Role: Research Coordinator; Funding Source: Unistep; Budget: € 9000; Duration: 2007-2008.
10. Microwaves and ultrasound activation in chemical analysis, COST Action No.: D32; Funding Source: COST Association; Role: MC Member; Duration: 2005-2009.

Funding for Research exchanges

11. Erasmus+, International Credit Mobility, Technical University of Crete, Greece-Sun Yat-sen University, China Role: Coordinator; Budget: € 11000 Duration: 2017-2018
12. Erasmus+, International Credit Mobility, Technical University of Crete, Greece-Iowa State University, USA, Role: Coordinator; Budget: € 5000 Duration: 2016-2017
13. Erasmus+, International Credit Mobility, Technical University of Crete, Greece-University of Waterloo, Canada, Role: Coordinator; Budget: € 6000 Duration: 2016-2017

14. Erasmus+; Role: Institutional Coordinator; Budget: € 200000 Duration: 2015-2016

#### Internal funding

1. Purchase of a GC- Ion Trap MS. Funding Source: Research Committee of TU-Crete; Budget: € 80000. Year: 2010
2. Purchase of an LC-MS. Funding Source: Region of Crete-Hellenic Republic Decentralized Administration of Crete; Budget: € 150000 Year: 2009
3. Environmental Ice Photochemistry of Chlorinated Pesticides. Role: PI; Funding Source: Research Committee of TUC; Budget: € 12000; Duration: 2008-2010.
4. Development of new analytical protocols based on liquid-phase microextraction used for monitoring trace amounts of pesticides in aqueous and solid environmental samples. Role: PI; Funding Source: Research Committee of TUC; Budget: € 5000; Duration: 2005-2006.

Several contracts for routine analytical services in my laboratory with a budget up to € 5000

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### ADMINISTRATION

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2017-Present	Director Graduate Studies, School of Environmental Engineering, TUC.
2014-2016	Deputy Rector of Academic Affairs and Research, TUC
2015	President of the board of Greek Deputy Rectors of Academic Affairs at the Synod of Greek Higher Education Institutions
2013-Present	Member of the Dean's Committee School of Environmental Engineering, TUC
2013-2014	Director Graduate Studies, School of Environmental Engineering, TUC.
2013-2014	Elected Member of the School Council, School of Environmental Engineering, TUC
2010-2011	Elected Member of the School Council, School of Environmental Engineering, TUC
2008-2009	Elected Member of the School Council, School of Environmental Engineering, TUC
2008-2014	Member of the School of Environmental Engineering Studies Committee, TUC
2005-2014	Student Affairs Committee, TUC
2005-Present	Laboratory Safety Committee, School of Environmental Engineering, TUC

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### PROPOSAL EVALUATION EXPERIENCE

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2018	Expert Evaluator for the Central Finance and Contracting Agency (CFCA) of the Republic of Latvia for project proposals submitted within the measure Industry-Driven Research
2018	Expert Evaluator for the State Scholarships Foundation (IKY). Remote evaluation of applications requesting funding for PhD studies.
2017	Member of the evaluation panel of "erevno-dimiourgo-kainotomo" (organized by EYDE-ETAK), involving proposals promoting innovation and collaboration between Universities and companies with a budget up to 1 million euros.
2016-2017	Member of the evaluation panel of the 9 <sup>th</sup> and 10 <sup>th</sup> <i>International University Competition on Entrepreneurship and Innovation</i> run by a network of 18 universities in Greece and Cyprus with the organizational support of the Athens University of Economics & Business.
2014	Invited Vice-Chair RISE Research and Innovation Staff Exchanges H2020-MSCA-RISE-2014 Evaluation Exercise.
2012-2013	Two times Invited Vice-Chair: Remote evaluation phase and panel meeting in Brussels for the FP7 <i>People Individual Marie Curie Actions</i> (Chemistry Panel), involving Intra-European Fellowships (EIF) International Outgoing Fellowships (OIF) and International Incoming (IIF) Fellowships.
2008-2011	Expert Evaluator: Remote evaluation phase and panel meeting in Brussels for the FP7 <i>People Individual Marie Curie Actions</i> (Chemistry Panel), involving Intra-European Fellowships (EIF) International Outgoing Fellowships (OIF) and International Incoming (IIF) Fellowships.
2009-2010	Expert Evaluator: Remote evaluation of the <i>National Framework Programme for Research, Technological Development and Innovation Programme</i> organised by the Research Promotion Foundation, Government of the Republic of Cyprus (2009-2010)
2005-2006	Expert Evaluator: Remote evaluation phase and panel meeting in Brussels for the FP6 <i>People Individual Marie Curie Actions</i> (Chemistry Panel), involving Intra-European Fellowships (EIF) International Outgoing Fellowships (OIF) and International Incoming (IIF) Fellowships.

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## TEACHING EXPERIENCE

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New courses developed at TUC

2011-Present            Second-Year undergraduate course "Water Quality and Pollution", TUC  
This is a laboratory course supplemented by lectures that focus on selected analytical methods used to determine water quality and pollution. The course discusses the role of element cycles, such as oxygen, nitrogen, and phosphorus, as water quality indicators; offshore outfalls and diffusion; salinity intrusion in estuaries; and thermal stratification, eutrophication, and sedimentation processes in lakes and reservoirs.

2005-Present            Third Year undergraduate course "Aquatic Chemistry", TUC  
2004-2005                Final-Year undergraduate course "Geochemistry", TUC  
This course details the quantitative treatment of chemical processes in aquatic systems such as lakes, oceans, rivers, estuaries, groundwaters, and wastewaters. It includes a brief review of chemical thermodynamics that is followed by discussion of acid-base, precipitation-dissolution, coordination, and reduction-oxidation reactions. Emphasis is on equilibrium calculations as a tool for understanding the variables that govern the chemical composition of aquatic systems and the fate of inorganic pollutants.

2006-2012                First-Year undergraduate course "General Chemistry", TUC  
This course provides an introduction to the chemistry of inorganic, and organic molecules. The emphasis is on basic principles of atomic and molecular electronic structure, thermodynamics, acid-base and redox equilibria and chemical kinetics.

2015-Present            Graduate course "Advanced topics in environmental chemistry", TUC  
This course focuses on the fate and behavior of persistent and emerging organic pollutants in the environment, considering fundamental principles and processes, which control their fate in environment systems. The material delivered in this module was supported by detailed case studies, taken from the peer-reviewed sources. The course also covers the latest advancements in analytical methods such as sample preparation, liquid chromatography (LC), gas chromatography (GC) and mass spectrometry (MS). During the course the students practice to collaborate and solve problems in group using "problem based learning" methods. The experimental work during the course is examined through carefully prepared scientific reports.

2005-2012                Graduate course "Advanced topics in environmental chemistry", TUC taught by  
Professors Psillakis and Nikolaidis

This course examined the fundamental molecular processes that govern the fate and transformation of organic and inorganic contaminants in natural environmental and engineered systems. Thermodynamic principles and molecular property descriptors were used throughout the course to develop predictive relationships for contaminant solubility and partitioning between environmental phases, sorption to solid surfaces and transformation processes. The course also included laboratory (responsible: Professor Psillakis) and modeling (responsible: Professor Nikolaidis) exercises.

2002-2005                Graduate course "Advanced topics in environmental analytical chemistry", TUC  
Students taking this course acquired knowledge of the advanced tools available for the chemical analysis of organic and inorganic contaminants in a variety of environmental samples (solid, liquid and gas). They learned the appropriate procedures for the collection, preservation, and treatment of environmental samples and the latest trends on their subsequent instrumental analysis. Data analysis methods necessary to produce accurate, sensitive and reproducible analytical results were also treated.

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## THESES SUPERVISION

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### PhD Theses

(2015) Tsourounaki Kostoula "Detection and fate of pharmaceuticals and personal care products in the environment" Duration: 2010-2015

(2014) Yiantzi Evangelia "Microextraction under vacuum conditions" Duration: 2011-2014

Current PhD Students  
Nikoleta Solomou

### **Graduates Theses**

- (2015) Kourounioti Efstathia "Photolytic fate of dibromodimethylbenzoquinone in environmental water samples"
- (2012) Mousouraki Antonia "Investigation of parameters affecting the solid phase microextraction under vacuum conditions"
- (2010) Kalafata Konstantina "Microplastics as a means of preconcentration and transport of hydrophobic pollutants in water: The case of brominated diphenyl ether BDE-47"
- (2010) Papadopoulou Aikaterini "Electromembrane extraction of parabens in water and wastewater samples"
- (2008) Tsourounaki Kostoula "Thin Film Modified Electrodes with Cellulose-Chitosan Films for the Accumulation and Detection of Triclosan"
- (2008) Koutsioubi Evangelia "Fast determination of octanol-water coefficients of organochlorinated compounds"
- (2007) Yiantzi Evangelia "Vortex-assisted liquid-liquid microextraction of octylphenol, nonylphenol and bisphenol-A"
- (2006) Dalaina Spyridoula "Determination of organic micropollutants using SPME/GC-MS in samples taken from the industrial site in Heraklion, Crete"
- (2005) Papadomanolaki Theodora "Recent advances in liquid phase microextraction of organic micropollutants"
- (2005) Skylourakis Antonis "Pesticide determination in olive oil samples"
- (2004) Charalabaki Magda "Analysis of polycyclic aromatic hydrocarbons in wastewater treatment plant effluents using hollow fibre liquid-phase microextraction"
- (2004) Mekiki Dorothea "Solid-Phase Microextraction for the Analysis of Nitropolycyclic Aromatic Hydrocarbons in Water"
- (2003) Manousaki Eleni "Degradation of sodium dodecylbenzenesulfonate in water by means of ultrasonic irradiation"
- (2004) Athanassova Dora "Sonochemical degradation of olive-oil wastewater phenolics monitored by Co(II) EDTA-Induced luminol chemiluminescence"

### **Current MSc Students**

Koutela Niki, Maria Vakinti

### **Undergraduate Theses**

- (2018) Sofia Maria Mela, "Vacuum Assisted Headspace Solid Phase Microextraction of organochlorinated pesticides in water and fruit juices"
- (2017) Koutela Niki, "Vacuum Assisted Single Drop Microextraction of PAHs in water samples"
- (2016) Dovrou Eleni, "Photolytical fate of fullerene C60 in environmental water samples"
- (2015) Zouboulaki Rodopi, "Quantitative determination of fullerene C60 in water samples"
- (2015) Nika Eliza, "Quantitative determination of Polycyclic Aromatic Hydrocarbons using plastic resin pellets"
- (2015) Glykioti Maria-Lyto "Rapid, Room Temperature Determination of Earthy-Musty Odor Compounds in Water using Vacuum-Assisted Headspace Solid Phase Microextraction"
- (2014) Kalogeraki Georgia "Sorption of hydrophobic pollutant on plastic resin pellets"
- (2014) Lagoudakis Charalabos "Vacuum-assisted solid-phase microextraction of organochlorinated pesticides from water samples"
- (2013) Peloubi Eneisa "Vortex-assisted liquid-liquid microextraction of fullerene from water samples"
- (2011) Tsigarida Anastasia "Detection of organochlorinated compounds in water samples using microextraction under vacuum conditions"
- (2011) Xynogalou Maria "Determination of repellents compounds in aqueous solutions using Solid phase microextraction coupled with GC / MS"
- (2010) Voulgari Kerasa "Optimization of solid-phase microextraction under vacuum conditions"
- (2010) Papadaki Niki "Modelling solid-phase microextraction under vacuum conditions"
- (2010) Aroniada Georgia "Photolytic fate of parabens in environmental water samples"
- (2009) Mastromihali Anna "Rapid Determination of Octanol-Water Partition Coefficient using Vortex-Assisted Liquid-Liquid Microextraction"
- (2008) Kalafata Konstantina "Matrix effects on the ice photodegradation of polybrominated flame retardants"
- (2008) Pittakaras Paris "Screening the presence of pyrethroid insecticide residues in edible oils by using hollow-fibre liquid phase microextraction"
- (2008) Papadopoulou Aikaterini "Fast screening of perfluorooctane sulfonate in water using vortex-assisted liquid-liquid microextraction coupled to liquid chromatography-mass spectrometry"

- (2008) Palaioyianni Artemis “Application of Headspace Solid Phase Microextraction to the Analysis of Organophosphorus Pesticides in Olive Oil”  
 (2008) Kefaloyiannis Emmanouil “Modelling liquid-phase microextraction”  
 (2008) Mihas Orestis “Photolysis of 2,4-dinitrotoluene in various water solutions: effect of dissolved species”  
 (2007) Che Franklin “Fate of  $\alpha$ - and  $\beta$ -Endosulfan in water”  
 (2005) Bakouras Xenofon “Micropollutants in wastewater”  
 (2004) Theodoropoulou Despina “Phthalate esters: sources, toxicity and fate”

Current UG students  
 Fountouli Evdokia

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#### INTERSHIPS AND EUROPEAN PhD STUDENTS IN THE LABORATORY

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Stefano Alberti	Scheduled for 21/01/2019-20/06/2019, University of Genoa, Italy
Nathalie Delbecque	Scheduled for 11/02/2019-24/05/2019, University of Liege, Belgium
Jose Garu Escribano	Scheduled for 01/09/2019-30/11/2019, University of Valencia, Spain
Fuxin Wang	10/10/2018-09/01/2019, Sun Yat-sen University, China
Maria Celeiro Montero	10/10/2014-19/12/2013, University Santiago de Compostela, Spain
Iván P. Román Falcó	3/3/2008-18/4/2008, 15/9/2008-14/12/2008 University of Alicante, Spain
Mike Bonne	8/2/2008-17/3/2008, University of Bath, U.K.
Irama Sanchez Boscan	2/5/2007-3/8/2007, University Rovira i Virgili, Spain
Nuno Ratola	17/4/2007-23/7/2007, University of Porto, Portugal
Lucía Sánchez Prado	15/1/2007-31/3/2007, University Santiago de Compostela, Spain
F.J. Pena Pereira	1/10/2006-30/10/2006, 1/12/2008-2/2/2009, University de Vigo, Spain
Ruth Barro	18/9/2005-18/12/2005, University Santiago de Compostela, Spain
Lorena Vidal	1/11/2004-30/11/2004 November 2004, University of Alicante, Spain
Efstathiou Petri	1/4/2007-30/4/2007, Chemistry Laboratory of the State of Cyprus, Cyprus

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#### SUPERVISION OF POST-DOCTORAL RESEARCHERS

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Dr Elena Fernandez (September 2018-August 2019)  
 Dr Evangelia Yiantzi (October 2014-February 2018)  
 Dr Lucía Sánchez Prado (January 2008-December 2008). Funded by the Spanish Ministry of Education and Science.

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#### THESES EVALUATION EXPERIENCE

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TUC PhD Theses: Member of the tribunal and examination committee of seven PhD Theses awarded by TUC.

TUC Diploma and Master Theses: Member of 39 examinations committees for Diploma and Master Theses awarded by TUC

#### European PhD Theses

- (2017) Elena Fernandez Martinez, University of Alicante, Spain, “Nuevos avances en metodologías analíticas basadas en técnicas miniaturizadas de extracción en fase sólida y en fase líquida”, Member of the tribunal committee for the European PhD dissertation of Elena Fernández Martínez, Departamento de Química Analítica, Universidad de Alicante (supervisor Professor L. Vidal)
- (2017) Alejandra Abellán Llobregat, University of Alicante, Spain, “Development of electrochemical sensors based on nanostructured carbon materials for health-care applications”. Examiner for the European PhD dissertation of Alejandra Abellán Llobregat, Departamento de Química Analítica, Universidad de Alicante (supervisor Professor L. Vidal)
- (2017) Alicia Latorre Fernandez, University of Santiago de Compostela, Santiago de Compostela, Spain, “Development of new analytical methodologies to assess the incidence and stability of Fusarium fungi mycotoxins in corn silages samples”. External Examiner for the European PhD dissertation of Alicia Latorre Fernandez, Departamento de Química Analítica, Nutrición y Bromatología, Facultad de Química, Instituto de Investigación y Análisis Alimentario, Universidad de Santiago de Compostela (supervisor Professor M. Llompert)
- (2017) María José Trujillo-Rodríguez, University of La Laguna, Tenerife, Spain, “Desarrollo de Metodologías Analíticas de Microextracción Empleando Novedosos Materiales Basados en Líquidos Iónicos y sus Derivados”. External Examiner for the European PhD dissertation of María José Trujillo-Rodríguez Departamento de Química Analítica, Universidad de la Laguna, Spain (supervisor Professor V. Pino)

- (2011) Zacarías León González, University of Valencia, Valencia, Spain; Desarrollo de métodos analíticos para el estudio de procesos derivados de la absorción percutánea de los filtros UV contenidos en los productos cosméticos para la protección solar”. External Examiner for the European PhD dissertation of Zacarías León González, Departamento de Química Analítica, Universidad de Valencia, Spain (supervisor Professor Alberto Chisvert Sanía)
- (2009) Gjelstad Astrid, University of Oslo, Oslo, Norway; “Development of electromembrane extraction - a new principle for rapid isolation and enrichment of ionic drugs”. First Opponent for the PhD Thesis of Astrid Gjelstad, University of Oslo, Norway (supervisors Professors S. Pederseen-Bjergaard and Knut Rasmussen)
- (2009) Fernandez Alvarez M., University of Santiago de Compostela, Santiago de Compostela, Spain; “Estudio del comportamiento fotoquímico y determinación de compuestos fitosanitarios en matrices medioambientales y agroalimentarias mediante técnicas avanzadas de extracción y microextracción”. Member of the examination committee for the European PhD dissertation of Fernandez Alvarez M., Departamento de Química Analítica, Nutrición y Bromatología, Facultad de Química, Instituto de Investigación y Análisis Alimentario, Universidad de Santiago de Compostela, Spain (supervisor Professor M. Lores)
- (2009) Vidal Lorena, University of Alicante, Alicante, Spain “Development and evaluation of new strategies for the miniaturization of the sample preparation”. External Examiner for the European PhD dissertation of Lorena Vidal, University of Alicante, Spain (supervisor Professor A. Canals)
- (2007) Sánchez Prado Lucia, University of Santiago de Compostela, Santiago de Compostela, Spain “Estudio de la fotogradación de compuestos orgánicos mediante microextracción en fase sólida, cromatografía de gases y espectrometría de masas”. Member of the examination committee for the European PhD dissertation of Lucia Sánchez Prado, Universidad de Santiago de Compostela, Spain (supervisor Professor M. Llompert)
- (2006) Barro Ruth, University of Santiago de Compostela, Santiago de Compostela, Spain “Optimización de nuevos métodos para la determinación de contaminantes orgánicos en aire”. Member of the examination committee. The doctorate thesis carried out at Departamento de Química Analítica, Nutrición y Bromatología, Facultad de Química, Instituto de Investigación y Análisis Alimentario, Universidad de Santiago de Compostela, Spain (supervisor Professor M. Llompert)

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#### REVIEWER FOR ISI JOURNALS

Analytical Chemistry, Environmental Science and Technology, Journal of Chromatography A, Analytica Chimica Acta, Talanta, Environmental Pollution, Environment International, Environmental Research, Separation and Purification Technology, Microfluidics and Nanofluidics, Journal of Separation Science, Water Research, Chemosphere, Journal of Agricultural and Food Chemistry, Food Analytical Methods, Journal of Hazardous Materials, Journal of Chemical Technology and Biotechnology, Journal of AOAC International, Water, Air, and Soil Pollution, Chromatographia, Journal of Environmental Analytical Chemistry, Journal of Chromatographic Science, Environmental Engineering Science, Water Environment Research, Environmental Technology, Water, Air, and Soil Pollution: Focus, International Journal of Environmental Analytical Chemistry, Journal of Membrane Science, Analytical Methods, MethodsX, Science of the Total Environment, Chemical Engineering Journal, Food Analytical Methods.

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#### OUTREACH ACTIVITIES

- 2015-Open day @TUC, Role: Establisher and Coordinator, March 30, 2015, Technical University of Crete, University Campus (5000 pupils and their parents)
- 2015-Science and Technology Fair for Primary School Students, Role: Coordinator, October 17, 2015, Technical University of Crete, University Campus (5000 pupils and their parents)
- 2014-Science and Technology Fair for Primary School Students, Role: Coordinator, October 18, 2014, Technical University of Crete, University Campus (4000 pupils and their parents)
- 2014-Establishment and coordination of Fresher’s Day at TUC (Welcome day)
- 2013-Science and Technology Fair for Primary School Students, Role: Coordinator, December 9, 2013, Technical University of Crete, University Campus (2000 pupils and their parents)
- 2012-Science and Technology Fair for Primary School Students, Role: Coordinator, December 8, 2012, 8<sup>th</sup> Primary School Chania, Greece (800 pupils and their parents)

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#### LANGUAGE SKILLS

Fluency in written and spoken English, French and Greek.

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#### PERSONAL DETAILS

Date of Birth:	31 March 1971	Gender:	Female
Marital Status:	Married, two children	Nationality:	Greek