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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), Universitè Montpellier II Sciences et Techniques du Languedoc, France
1993	Licence de Chimie, Universitè 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, Universitè Montpellier II Sciences et Techniques du Languedoc, France

ACADEMIC POSITIONS

2015-Present	Full Professor, School of Chemical and Environmental Engineering, TUC, Greece
2017-2019	Director Graduate Studies, School of Environmental Engineering, TUC, Greece
2014-2016	Deputy Rector of Academic Affairs and Research, TUC, Greece
2013-2021	Member of the Dean's Committee, School of Environmental Engineering, TUC, Greece
2012-2014	Director Graduate Studies, 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 Professor, Fulbright Research Award, California Institute of Technology (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

MILESTONES

2026	Elected member of the IUPAC's Analytical Chemistry Division Committee for the biennium 2026 – 2027
2025	2025 EuChemS-DAC Robert Kellner Lecture Award
2025	2025 Silver Jubilee Medal from The Chromatographic Society
2025	The fundamentals of Sustainable Analytical Chemistry are introduced
2025	*Advances in Sample Preparation*, Elsevier (Q1 Journal) received an IF=6.5
2024	The framework of circular analytical chemistry is introduced
2023	ExtraTECH SMPC launches its products and signs agreements with MARKES and Element
2022	The concept of Green Sample Preparation and the green metric AGREEprep are introduced
2022	Affiliate Member of the International Union of Pure and Applied Chemistry (IUPAC)
2022	ExtraTECH SMPC completed the EGG | Eurobank Business Accelerator
2021	Elected Member of the Division of Analytical Chemistry - European Chemical Society
2021	Featured in the Power List 2021 of the magazine "The Analytical Scientist"
2021	Co-Chair of the IUPAC Project: Greenness of official standard sample preparation methods
2021	Editor-in-Chief of *Advances in Sample Preparation*, Elsevier
2021	Specialty Chief Editor of *Environmental Analysis* for *Frontiers in Analytical Science*, Frontiers
2019	ExtraTECH Analytical Solutions SMPC spin off company became a member of Elevate, Greece
2019	Head of the "Sample Preparation" Study Group and Network of the EuChemS-DAC
2019	Senior Associate Editor of *Journal of Separation Science*, Wiley
2017	Leader of Work-Group 4 "Sample preparation and microfluidics", COST Action CA16215
2015	President of Deputy Rectors of Academic Affairs at the Synod of Greek Higher Education Institutions
2014	Deputy Rector of Academic Affairs and Research, TUC, Greece
2012	The methodology vacuum assisted headspace solid phase microextraction is introduced
2012	Vice-Chair of the Evaluation Chemistry Panel for EU FP7 Marie Curie Actions
2011	Vice-Chair of the Evaluation Chemistry Panel for EU FP7 Marie Curie Actions
2009	The methodology vortex-assisted liquid-liquid microextraction (VALLME) is introduced

[‡] **Citations**, last update November 2025, Scopus, GoogleScholar and Publons-Web of Science

	Scopus	Google scholar	Publons/Web of Science
h-index:	**48**	**52**	**47**
Sum of Times Cited:	**8691**	**11105**	**8283**

RESEARCH INTERESTS

- Studying the concepts and practice of green and sustainable analytical chemistry
- Studying emerging groups of organic pollutants
- Developing novel sample preparation methods used for the analysis of organics in a variety of sample matrices
- Studying the fundamentals of microextraction methods
- Studying the photolytic degradation of emerging organic pollutants in natural and engineered systems

AWARDS

2025	2025 Robert Kellner Lecture Award from EuChemS-DAC
2025	2025 Silver Jubilee Medal from the Chromatographic Society
2024	Best Poster Award by Springer during ISSS2024, Messina, Italy, September 22-25, 2024
2024	Publications [99] and [98] ranked as #1 and #2 top-cited articles in *TrAC-Trends in Analytical Chemistry*, Elsevier
2024	Publication [100] ranked #1 top-cited article in *Advances in Sample Preparation*, Elsevier
2021	Featured in the Power List 2021 of the magazine "The Analytical Scientist" as one of the Top 100 most influential people in analytical science
2013	Publication [59] received the Top-10 most cited articles 2010-2011 Award, *Talanta*, Elsevier
2010	Publication [43] received the Top-50 most cited articles 2005-2009 Award, *Analytica Chimica Acta*, Elsevier
2007	Fulbright Research Award 2007-2008, used it at CALTECH, USA
2006	Publication [22] received the Top cited articles 2001-2006 Award, *Journal of Chromatography A*, Elsevier
1994	PhD Scholarship, School of Chemistry, University of Bristol, UK

ISI PUBLICATIONS IN REVERSE CHRONOLOGICAL ORDER

110. E. Stampolaki, A. Mondello, E. Alladio, P. Oliveri, A. Mazzoleni, F. Pena-Pereira, E. Psillakis*, "GreenSOL: Green Solvent Guide for Analytical Chemistry based on Production-to-End-of-Life Assessment", TrAC-Trends in Analytical Chemistry, 2026 (194) 118531 (https://doi.org/10.1016/j.trac.2025.118531)
109. A. Pateraki, B. Pollo, F. Augusto, E. Psillakis*, "Vacuum-Assisted Headspace Solid-Phase Microextraction for Volatile Profiling of Avocado Puree: Application to Post-Harvest Ripening" Journal of Chromatography Open, 2025, Journal of Chromatography Open (8) 100274 (https://doi.org/10.1016/j.jcoa.2025.100274)
108. E. Psillakis, "Towards sustainable analytical chemistry", TrAC-Trends in Analytical Chemistry, 2025 (191) 118371 (https://doi.org/10.1016/j.trac.2025.118371)
107. P. Bonechi, I. Kandylioti, A. Cincinelli, I.A. Ionescu and E. Psillakis*, "Linear relationship between carbonyl index of weathered microplastics with a CC backbone and solar light photodegradation kinetics of nicotine" Journal of Photochemistry and Photobiology A: Chemistry, 2026 (470) 116609 (https://doi.org/10.1016/j.jphotochem.2025.116609)
106. J.L. Benedé, C. Cagliero, E. Nemutlu, F. Pena-Pereira, C. Bicchi, E.J. Carrasco-Correa, M. Celeiro, A. Chisvert, A. Gentili, R. Godfrey, M. Gumustas, F. Krokos, P. Kumkrong, M. Llompart, M. Locatelli, Z. Mester, S.A. Ozkan, S. Pedersen-Bjergaard, M.A. Segundo, M. Tobiszewski, E. Psillakis*, "Greenness Assessment of 174 CEN, ISO, and Pharmacopoeia Standard Methods and their Sub-Methods used for Environmental, Food, Trace Element and Pharmaceutical Analyses", Advances in Sample Preparation, 2025 (14) 100180 (https://doi.org/10.1016/j.sampre.2025.100180)
105. I. Kandylioti, E. Psillakis*, "Single-Use Plastic Free Islands: The case study of Donousa" Regional Studies in Marine Science, 2025 (85), 104151 (https://doi.org/10.1016/j.rsma.2025.104151)
104. A. Pateraki, E. Psillakis*, "Vacuum-Assisted Headspace Solid Phase Microextraction for Monitoring Ripening-Induced Changes in Tomato Volatile Profile", Journal of Chromatography A, 2024 (1740) 465556 (https://doi.org/10.1016/j.chroma.2024.465556)
103. E. Psillakis*, F. Pena-Pereira, "The twelve goals of circular analytical chemistry" TrAC-Trends in Analytical Chemistry, 2024 (175) 117686 (https://doi.org/10.1016/j.trac.2024.117686)
102. I. Kandylioti, D. Vione, M. Minella, A. Naka, E. Psillakis*, "Solar light photodegradation of nicotine in the presence of aged polystyrene microplastics", Science of the Total Environment, Elsevier, 2024 (919) 170500. (https://doi.org/10.1016/j.scitotenv.2024.170500)
101. N. Solomou, E. Fernández, R. Szafnauer and E. Psillakis* "Total and bioavailable polycyclic aromatic hydrocarbons in unused and operated heat-not-burn tobacco products and conventional cigarettes", Chemosphere, 2023, 139050 (https://doi.org/10.1016/j.chemosphere.2023.139050)
100. F. Pena-Pereira, M. Tobiszewski, W. Wojnowski, E. Psillakis*, "A Tutorial on AGREEprep an Analytical Greenness Metric for Sample Preparation", Advances in Sample Preparation, 2022 (3) 100025. (https://doi.org/10.1016/j.sampre.2022.100025)
99. W. Wojnowski, M. Tobiszewski*, F. Pena-Pereira, Elefteria Psillakis*, "AGREEprep – Analytical Greenness Metric for Sample Preparation" TrAC-Trends in Analytical Chemistry, 2022 (149) 116553 (https://doi.org/10.1016/j.trac.2022.116553)
98. Á.I. López-Lorente, F. Pena-Pereira, S. Pedersen-Bjergaard, V.G. Zuin, S.A. Ozkan, E. Psillakis*, "The Ten Principles

of Green Sample Preparation", TrAC-Trends in Analytical Chemistry, 2022 (148) 116530 (https://doi.org/10.1016/j.trac.2022.116530)

97. A. Zhakupbekova, N. Baimatova, E. Psillakis, B. Kenessov, "Quantification of trace transformation products of rocket fuel unsymmetrical dimethylhydrazine in sand using vacuum assisted headspace solid-phase microextraction" Environmental Science and Pollution Research, 2022 (https://doi.org/10.1007/s11356-021-17844-1)
96. N. Delbecque, S. Mascrez, E. Psillakis* G. Purcaro, "Sub-ambient temperature sampling of fish volatiles using vacuum-assisted headspace solid phase microextraction: Theoretical considerations and proof of concept" Analytica Chimica Acta, 2021, 1192, 339365 (https://doi.org/10.1016/j.aca.2021.339365)
95 E. Yiantzi, K. Murtada, K. Terzidis, J. Pawliszyn, E. Psillakis*, "Vacuum-assisted headspace thin-film microextraction: Theoretical formulation and method optimization for the extraction of polycyclic aromatic hydrocarbons from water samples" Analytica Chimica Acta, 2021, 1189, 339217 (https://doi.org/10.1016/j.aca.2021.339217)
94. N. Solomou, M. Minella, D. Vione, E. Psillakis, UVC-induced direct photolysis as an efficient process for the degradation of cilastatin in natural and waste water, *Chemosphere*, 2021, 280, 130668 (https://doi.org/10.1016/j.chemosphere.2021.130668)
93. S. Alberti, M. Sotiropoulou, E. Fernández, N. Solomou, M. Ferretti and E. Psillakis*, "UV-254 degradation of nicotine in natural waters and leachates produced from cigarette butts and heat-not-burn tobacco products" Environmental Research, 2021, *Environmental Research*, 194, 110695 (https://doi.org/10.1016/j.envres.2020.110695).
92. F. Pena-Pereira, C. Bendicho, D. Mutavdžić Pavlović, A. Martín-Esteban, M. Díaz-Álvarez, Y. Pan, J. Cooper, Z. Yang, I. Safarik, K. Pospiskova, M. A. Segundo, E. Psillakis, "Miniaturized analytical methods for determination of environmental contaminants of emerging concern - A Review", *Analytica Chimica Acta*, 2021, 1158, 238108 (https://doi.org/10.1016/j.aca.2020.11.040).
91. E. Psillakis, "The effect of vacuum: an emerging experimental parameter to consider during headspace microextraction sampling", *Analytical and Bioanalytical Chemistry*, 2020, 412(24), 5989-5997. Invited contribution. Special issue "Female Role Models in Analytical Chemistry" (https://doi.org/10.1007/s00216-020-02738-x)
90. E. Psillakis, "Editorial for the Special Issue Emerging Thought Leaders in Separation Science", Journal of Separation Science, 2020, 43(9-10), 1622-1622 (https://doi.org/10.1002/jssc.202070095)
89 N. Koutela, E. Fernández, M.-L. Saru and E. Psillakis*, "A comprehensive study on the leaching of metals from heated tobacco sticks and cigarettes in water and natural waters" *Science of the Total Environment,* 2020, 714, 136700 (https://doi.org/10.1016/j.scitotenv.2020.136700)
88 S. Mascrez, E. Psillakis and G. Purcaro, "A multifaceted investigation of the effect of reduced pressure condition on the headspace-solid phase microextraction", *Analytica Chimica Acta*, 2020, 1103, 106-114 (https://doi.org/10.1016/j.aca.2019.12.053)
87 N. Solomou, C. Bicchi, B. Sgorbini, E. Psillakis*, "Vacuum-assisted headspace sorptive extraction: Theoretical considerations and proof-of-concept extraction of polycyclic aromatic hydrocarbons from water samples". *Analytica Chimica Acta*, 2020, 1096, 100-107. (https://doi.org/10.1016/j.aca.2019.10.050)
86 E. Psillakis*, N. Koutela, A.J. Colussi, "Vacuum-assisted headspace single-drop microextraction: eliminating interfacial gas-phase limitations" *Analytica Chimica Acta*, 2019, 1092, 9-16. (https://doi.org/10.1016/j.aca.2019.09.056)
85 B. Bojko, B. Onat, E. Boyaci, E. Psillakis, T. Dalianis, J. Pawliszyn, "Application of in-situ Solid-Phase Microextraction on Mediterranean Sponges for Untargeted Exometabolome Screening and Environmental Monitoring" *Frontiers in Marine Science*, 2019, 6 (632), 1-13. (https://doi.org/10.3389/fmars.2019.00632)
84 E. Kourounioti, E. Psillakis*, D. Vione, "UV-induced transformation of 2,3-dibromo-5,6-dimethyl-1,4-benzoquinone in water and treated wastewater", *Environmental Research*, 2019, 175, 343-350 (https://doi.org/10.1016/j.envres.2019.05.018)
83 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", *Journal of Chromatography A*, 2019 (1602) 142–149. (https://doi.org/10.1016/j.chroma.2019.03.047)
82. E. Psillakis*, Vortex-assisted liquid liquid microextraction revisited, *TrAC-Trends Analytical Chemistry*, 2019, 113, 332-339 (https://doi.org/10.1016/j.trac.2018.11.007) *Invited*
81. 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)
80. 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)
79. 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) *Invited*
78 D. Raynie, H.K. Lee, L. Ramos, J.L. Anderson, E. Psillakis, D. Benanou. "Sample Preparation: State of the Art" LC GC EUROPE, 2018, 30, 604-608 *Invited*
77. 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)

76. 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)
75. 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)
74. 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)
73. 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)
72. 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)
71. 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)
70. 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)
69. L. Sanchez-Prado, K. Kalafata, S. Risticevic, J. Pawliszyn, M. Lores, M. Llompart, 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)
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67. 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 Act*a, 2012, 742, 30-36 (http://dx.doi.org/10.1016/j.aca.2012.01.019)
66. 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).
65. 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)
64. 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)
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62. 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 Qualilty*, 2010, 39, 2170–2178 (http://dx.doi.org/10.2134/jeq2010.0083)
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56. 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)
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53. 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)
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49. 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)
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46. 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)
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5. P.L. Jones, A.J. Amoroso, J.C. Jeffery, J.A. McCleverty, E. Psillakis, L.H. Rees, M.D. Ward, "Lanthanide complexes of the hexadentate N-donor podant tris[3(2-pyridyl)pyrazol-1-yl]hydroborate (Tppy): Solid-state and solution properties" *Inorganic Chemistry*, 1997, 36(1), 10-18 (http://dx.doi.org/ 10.1021/ic960621m)
4. J. Amoroso, J.C. Jeffery, P. L. Jones, J.A. McCleverty, E. Psillakis, M.D. Ward, "Crystal structure of Silver(I) and Thallium(I) complexes of the tris[3(2-pyridyl) pyrazol-1-yl]hydroborate; Enscapulation of either a single Thallium(I) ion or a trinuclear Silver(I) cluster by a hexadentate podant" *Chemical Communications*, 1995, (11), 1175-1176 (http://dx.doi.org/ 10.1039/c39950001175)
3. J.C. Jeffery, C.S.G. Moore, E. Psillakis, M.D. Ward, P. Thornton, "The coordination chemistry of the mixed pyridine-phenol and phenanthroline-phenol ligands; the crystal structure of the 2-(2-hydroxy phenyl)-1,10 (HL) and the crystal structure and properties of $[FeL_2][PF_6]$" *Polyhedron*, 1995, 14(5), 599-604 (http://dx.doi.org/10.1016/0277-5387(94)00281-I)
2. J.C. Jeffery, S.S. Kurek, J.A. McCleverty, E. Psillakis, M.D. Ward, A. Wlodarczyk, "Syntheses of 4-benzyl-3,5-dimethylpyrazolylborato complexes of Molybdenum and Tungsten nitrosyls; Molecular structure of $[Mo(CO)_2(NO)[(3,5\text{-}Me2\text{-}4\text{-}PhCH_2C_3N_2)_3]$, a complex with an "inverted" bowl-like structure" *Journal of the Chemical Society-Dalton Transactions*, 1994, (17), 2559-2564 (http://dx.doi.org/10.1039/dt9940002559)
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)

PUBLICATIONS IN JOURNALS WITHOUT AN IMPACT FACTOR

1. A.O. Hay, F.A. Hansen, E. Psillakis, S. Pedersen-Bjergaard, "Liquid-phase microextraction in bioanalysis – how green can it be?", Green Analytical Chemistry, 2022, (3) 100028. (https://doi.org/10.1016/j.greeac.2022.100028)
2. E. Psillakis, A. Chisvert, C. Cagliero, S.A. Ozkan, M. Segundo, Z. Mester, "Greenness of official sample preparation standard methods", Chemistry International, 2024, 46(1), 26-30
3. E. Psillakis, "Environmental Analysis and the Dual Grand Challenge of COVID-19 and Sustainable Development", Front. Anal. Sci. 2021, 1:709748
4. S. Mascrez, E. Psillakis, G. Purcaro, "Vacuum Assisted Headspace Solid-phase Microextraction: A Powerful Tool for Olive Oil Analysis", Chromatography Today, 2020.
5. M. Gökhan Eskin, M. Torabfam, E. Psillakis, A. Cincinelli, H. Kurt, M. Yüce. "Real-Time Water Quality Monitoring of An Artificial Lake Using Portable, Affordable, Simple, Arduino-based Open Source Sensors" EnvEng-IO, 2019, 6, 7-14.

CHAPTERS IN BOOKS

1. E. Psillakis, "The Effect of Vacuum on Headspace SPME: Theory and Practice" Chapter 3, "Evolution of SPME technology", edited by Professor J. Pawliszyn, Royal Society of Chemistry, 2023 (ISBN10 1839166800)
2. M. Cardenas, E. Psillakis and R. Lucena, "Liquid-liquid extraction, classic and unconfined liquid-phase microextraction" in the Book entitled Sample treatment techniques and new materials, edited by Professors M. Cardenas and R. Lucena, Elsevier, 2021, pp 79-96, https://doi.org/10.1016/B978-0-12-822139-6.00003-1, (ISBN: 978-0-12-822139-6)

3. 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).
4. E. Psillakis, V. Gekas, Odor problems in the food industry, Springer, New York, 2006, pp 1-14 (ISBN 0-387-33510-2).
5. E. Psillakis, Odor measurement in Odors In the Food Industry, Nicolay, Xavier (Ed.), Springer, New York, 2006, pp 15-39 (DOI: 10.1007/978-0-387-34124-8).
6. E. Psillakis, Preconcentration prior to gas chromatography in Odors In the Food Industry, Nicolay, Xavier (Ed.), Springer, New York, 2006, pp 41-45 (DOI: 10.1007/978-0-387-34124-8).
7. 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).

EDITORSHIPS

Editor

2021-Today **Editor-in-Chief** of Advances in Sample Preparation (Elsevier). Q1 Journal with IF=6.5

2021-Today **Specialty Chief Editor** of Environmental Analysis for Frontiers in Analytical Science (Frontiers; IF=1.9).

2019-2023 **Associate Editor** in Journal of Separation Science (Wiley)

Editorial Board

- Analytica Chimica Acta (Elsevier) until 2024
- Sustainable Chemistry and Pharmacy (Elsevier)
- Journal of Pharmaceutical and Biomedical Analysis Open (Elsevier)
- MethodsX (Elsevier)
- Science Advances Today (Lognor)
- Reviews in Separation Sciences (Betasciencepress)

Guest Editor in Special Issues

- Advances in Sample Preparation (Elsevier), October 2023, Eds: Lourdes Ramos, Jose Manuel Herreros-Martínez, Belén Gómara, Valerie Pichon, Elefteria Psillakis
- Advances in Sample Preparation (Elsevier), February 2023, 2nd European Sample Preparation Conference, Eds: E. Psillakis, S. Pedersen-Bjergaard and S. Ozkan 2022.
- Journal of Separation Sciences (Wiley), Reviews 2021, Editor: E. Psillakis and V. Pichon. 2022, 45, Issue 1
- Journal of Separation Science (Wiley), Inspiring women in separation science, Editor: E. Psillakis. 2021
- Journal of Separation Science (Wiley), Emerging thought leaders in separation science, 2020, 43, Issue 9-10. Editor: E. Psillakis.
- Analytica Chimica Acta (Elsevier), Virtual Special Issue devoted to ExTech®2014, 16th 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)

CHAIRING EVENTS-HEAD OF GROUPS

Conference Chair

2026 Honorary Chair: 4rd European Sample Preparation and 3nd Green and Sustainable Analytical Chemistry conferences, October 13-16, 2026, Santiago de Compostela, Spain

2025 Conference Chair: 25th European Meeting on Environmental Chemistry (EMEC25), 23-25 November 2025, Chania-Crete, Greece

2024 Conference Chair: 3rd European Sample Preparation and 2nd Green and Sustainable Analytical Chemistry conferences, September 15-18, 2024, Chania-Crete, Greece.

2022 Conference CoChair: 2nd European Sample Preparation e-Conference. March 14-16, 2022 and 1st Green and Sustainable Analytical Chemistry e-Conference. Online event

2021 Conference CoChair: 1st European Sample Preparation Conference. March 11-12, 2021. Online event

2014 Symposium Chair, 16th International Symposium on Advances in Extraction Technologies, ExTech®2014, May

26-28, 2014, Chania, Greece

e-Meeting Chair

2020 COST Action PortASAP Annual Meeting of the Action, Organizer, March 15-17 2020, Chania, Greece. Cancelled March 9 2020 due to COVID-19 and completed June 18-19 as a web-conference.

Chair of TUCrete-PhD Students Conference

2019 Coordination of the 2st Conference of PhD Students of the School of Environmental Engineering, Role: Chair, Technical University of Crete, December, 13, 2019

2018 Establishment and coordination of the 1st Conference of PhD Students of the School of Environmental Engineering, Role: Chair, Technical University of Crete, December 15, 2019

Intensive Course Chair

2023 COST Action 18225 WATERTOP training school: Microextraction in T&O analysis: fundamentals and applications, September 20-22, 2023, Chania-Crete, 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

Head of groups

2019-Today Head of the "Sample Preparation" Study Group and Network of the European Chemical Society-Division of Analytical Chemistry (www.sampleprep.tuc.gr)

2017-2022 Leader of Work-Group 4 "Sample preparation and microfluidics", European network for the promotion of portable, affordable and simple analytical platforms, COST Action CA16215

2015 President of the board of Greek Deputy Rectors of Academic Affairs at the Synod of Greek Higher Education Institutions

INVITED ORAL CONTRIBUTIONS

Plenary/Keynote/Invited lectures at conferences

1. E. Psillakis "Greener by Design: Transforming Analytical Chemistry with Purpose" (Invited), 44th International Symposium on Capillary Chromatography (ISCC), Riva del Garda, Italy, May 17 - 22, 2026
2. E. Psillakis "Title to be announced" (Invited), 19th International Symposium on Hyphenated Techniques in Chromatography and Separation Technology (HTC-19), Leuven, Belgium, May 27-29, 2026
3. E. Psillakis "Title to be announced" (Keynote), 2nd International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management (CSRW26), Thessaloniki, Greece, 29 March - 1 April 2026
4. E. Psillakis "Green and sustainable analytical chemistry - are we getting there?" (Plenary), The Norwegian Symposium on Chromatography, Sandefjord, Norway, January 18 - 20, 2026
5. E. Psillakis "The Journey from Green Sample Preparation to Sustainable Analytical Chemistry" (Plenary), 20th Latin American Congress on Chromatography and Related Techniques (COLACRO), Campos do Jordão, SP, Brazil, October 29 to 31, 2025
6. E. Psillakis "The Circular Analytical Chemistry Opportunity" (Keynote), 2nd International Conference of the Hellenic Society for Circular Economy, September 17 – 19, 2025, Chania, Greece.
7. E. Psillakis "Shaping a Sustainable Future for Analytical Chemistry" (Plenary), 26th International Symposium on Advances in Extraction Technologies (ExTech2025), Mülheim, Germany, September 8-11, 2025
8. E. Psillakis "The Transformative Journey from Green Sample Preparation to Sustainable Analytical Chemistry" (Plenary), XXII European Conference om Analytical Chemistry (Euroanalysis), Barcelona, Spain, 30 August-4 September 2025
9. E. Psillakis "Towards Sustainable Analytical Chemistry" (Plenary) 31st International Symposium on Electro- and Liquid-Phase Separation Techniques (ITP 2025), Ankara, August 24-27, 2025
10. E. Psillakis "Green and Sustainable Analytical Chemistry: Myths, Truths and Opportunities" (Keynote) 54th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2025), Bruges, Belgium, June 15-19, 2025
11. E. Psillakis "Cigarette Waste Leachates: An Overlooked Environmental Issue (Plenary) 4th European Meeting on Environmental Chemistry (EMEC24) Alicante, Spain, November 26-29, 2024
12. E. Psillakis "The Circular Analytical Chemistry Opportunity" (Invited), 10th Shanghai International Symposium on Analytical Chemistry (Analytica China Conference 2024), Shanghai, China, November 18-19, 2024
13. E. Psillakis "Vacuum-Assisted Headspace Microextraction: Fostering Innovation" (Keynote), International Symposium on Chromatography (ISC), Liverpool, UK, October 6-10, 2024
14. E. Psillakis "Navigating the path to sustainable analytical chemistry" (Invited), 28th International Symposium on

Separation Sciences (ISSS 2024) Messina, Italy, September 22-25, 2024

15. E. Psillakis "Analytical Chemistry: From lines to circles" (Keynote), International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2024), Denver, USA, October 6-10, 2024
16. E. Psillakis "The Circular Analytical Chemistry Opportunity" (Invited), XXIV Reunión SEQA (Spanish Society of Analytical Chemistry), Zaragoza, Spain, July 1-3, 2024
17. E. Psillakis "Towards Circular Analytical Chemistry" (Invited), Analytica Conference 2024, Munich, Germany, April 9–11, 2024
18. E. Psillakis "Towards Circular Analytical Chemistry", (Invited), 12th International Drug Chemistry Congress, Antalya, Turkey, March 7–10, 2024
19. E. Psillakis "Towards Circular Analytical Chemistry", (Keynote), 1st Aristotle Conference on Chemistry (ACC 2023), Thessaloniki, Greece, November 12-15, 2023
20. E. Psillakis "Vacuum-Assisted Headspace Microextraction: From Theory to a New Product", (Plenary) 12th Aegean Analytical Chemistry Days (AACD2023), Istanbul, Turkey, October 19 – 22, 2023
21. E. Psillakis. "Plastic pollution and emerging contaminants: the art of war" (Plenary) 25th International Symposium "The Environment and Industry" - SIMI 2023, Bucharest, Romania, September 27-29, 2023.
22. E. Psillakis "Vacuum-Assisted Headspace Microextraction: From Theory to a New Product", (Keynote) 25th International Symposium on Advances in Extraction Technologies (ExTech2023), Tenerife, Canary Islands, Spain, 18-21 July 2023
23. E. Psillakis "Designing for a green analytical chemistry future", (Keynote) 33rd International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2023), Ankara, Turkey, 2-6 July 2023
24. E. Psillakis "Designing for a green analytical chemistry future", (Invited) International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2023), Duesseldorf, Germany, 18-22 June 2023
25. E. Psillakis "Littered Cigarette Butts: A Small-Sized Waste Creating Big-Sized Problems" (Invited) 4th International Environmental Chemistry Congress (EnviroChem), October 30-November 2, 2022, Antalya, Turkey. In person event.
26. E. Psillakis "The Ten Principles of Green Sample Preparation and the First Metric Tool for Greenness Assessment" (Keynote) 34th Turkish National Chemistry Congress, September 1-6, 2022, Yalova, Turkey. In person event.
27. E. Psillakis. "The Ten Principles of Green Sample Preparation and the First Metric Tool for Greenness Assessment" (Keynote), International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2022), San Diego, California, USA, June 18-23, 2022. In-person event
28. E. Psillakis. "Sample Preparation: the excluded essential in Green Analytical Chemistry" (Keynote), 2nd Pan American Essential Oils Symposium, part to the CLAQ 2020 events, Cartagena de Indias, Colombia, October 11-15, 2021. Hybrid event.
29. E. Psillakis. "Littered cigarette butts: A small-sized waste creating big-sized problems" (Keynote) 24nd International Symposium "The Environment and Industry" - SIMI 2021, September 24 2021, Online event.
30. E. Psillakis. "Green Sample Preparation" (Invited), IUPAC | CCCE 2021, the 48th World Chemistry Congress and 104th Canadian Chemistry Conference and Exhibition, 13-20 August, 2021, Online event.
31. E. Psillakis. "Vacuum-assisted headspace microextraction: Faster, better, easier, gentler" (Keynote), 23st International Symposium on Advances in Extraction Technologies, ExTech®2021, June 29 - July 3 2021, Alicante, Spain.
32. E. Psillakis, "Vacuum-assisted headspace microextraction: Faster, better, easier, gentler" (Invited), 4th STARSS Conference on Separation Science, Nov 30- Dec 1, 2020, Online event.
33. E. Psillakis "Green, simple and fast analytical tools for studying complex environmental problems", (Keynote), To be presented at the 5th Green & Sustainable Chemistry Conference, October 18-21 2020, Bonn, Germany.
34. E. Psillakis, Sample Preparation: the excluded essential in Green Analytical Chemistry (Invited), 22nd International Symposium on Advances in Extraction Technologies, ExTech®2020, September 28 - October 2 2020, Cartagena, Colombia. Conference cancelled due to COVID-19.
35. E. Psillakis, Title to be announced (Keynote) 23nd International Symposium "The Environment and Industry" - SIMI 2020, September 24-25 2020, Bucharest, Romania. Conference cancelled due to COVID-19. Conference cancelled due to COVID-19.
36. E. Psillakis, "Vacuum-assisted headspace microextraction: Faster, better, easier, gentler" (Invited), Contribution to be presented at 44th International Symposium of Capillary Chromatography 2020, May 24-29, 2020, Riva del Garda, Italy. Conference cancelled due to COVID-19.
37. N. Solomou, F. Wang, G. Ouyang, S. Mascrez, G. Purcaro, B. Sgorbini, C. Bicchi, and Elia Psillakis "Vacuum-assisted headspace (micro)extraction: Analytes take the fast lane" (Plenary) 21st International Symposium on Advances in Extraction Technologies, ExTech®2019, November 9-13 2019, Guangzhou, China.
38. E. Psillakis, "Emerging and Persistent Organic Pollutants in Aquatic Environment: An Ever-Growing Problem", (Invited), 2019 International Green and Sustainable Chemistry Conference, October 16-19 2019, Beijing, China.
39. E. Psillakis, "Leaching of chemicals from littered cigarettes and heated tobacco sticks in water: An overlooked issue?", (Keynote) 22nd International Symposium "The Environment and Industry" - SIMI 2019, September 25-27, 2019, Bucharest, Romania.
40. E. Psillakis, N. Solomou, E. Fountouli, E. Fernández "Introduction to WG4 and the recent developments on the effect

of vacuum on headspace (micro)extraction.", (Invited) Euroanalysis 2019, September 1-5 2019, Istanbul, Turkey.

41. E. Psillakis, "Emerging and Persistent Organic Pollutants in Aquatic Environment" (Keynote), 21st International Symposium "The Environment and The Industry", September 20-21 2018, Bucharest, Romania.
42. E. Psillakis, "Emerging and persistent organic compound: an ever-growing problem", (Plenary) XVII Congress of the Chemistry of the Environment and Cultural Heritages, Italian Association of Chemists July 24-27, 2018, Genoa, Italy.
43. 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) 20th International Symposium on Advances in Extraction Technologies (ExTech2018), June 19-22, 2018, Ames, Iowa, USA.
44. N. Koutela, M. Vakinti and E. Psillakis, "Microextraction: An ideal platform to analyze and simulate the environment", (Keynote) 18th European Meeting on Environmental Chemistry (EMEC), November 26-29, 2017, Porto, Portugal.
45. N. Koutela, M. Vakinti and E. Psillakis, "Microextraction: Think big, act small", (Keynote) 19th International Symposium on Advances in Extraction Technologies (ExTech2017), July 27-30, 2017, Santiago de Compostela, Spain.
46. E. Yiantzi, M.-L. Glykioti and E. Psillakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction Revisited", (Invited) 18th International Symposium on Advances in Extraction Technologies & 22nd International Symposium on Separation Sciences (ExTech-ISSS'2016), July 03-06, 2016, Torun, Poland.
47. E. Psillakis, E. Yiantzi, E. Nika, R. Zouboulaki and M.-L. Glykioti "Sorptive microextraction: so simple and yet so complex" (Invited) XVI Latin-American Congress on Chromatography-9th National Meeting on Chromatography, January 5-9 2016, Lisbon, Portugal.
48. 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) 17th International Symposium on Advances in Extraction Technologies, ExTech®2015, November 7-10 2015, Guangzhou, China.
49. E. Psillakis "A Novel Design for Vacuum-Assisted Headspace Solid-Phase Microextraction" (Invited) 38th International Symposium on Capillary Chromatography, ISCC2014, May 18-23, 2014, Riva del Garda, Italy.
50. E. Psillakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction: Low volatility compounds take the fast lane" (Invited) 15th International Symposium on Advances in Extraction Technologies, ExTech®2013, August 4-7 2013, João Pessoa, Paraiba, Brazil.
51. E. Psillakis, "Monitoring the degradation of micropollutants in water using LPME" (Invited) PITTCON, March 12-17, 2006, Orlando, Florida, USA.

Departmental talks

1. E. Psillakis, Green and Sustainable Analytical Chemistry", MSc Chemistry Program, Dept of Chemistry, University of Athens, Online event, May 25, 2025
2. E. Psillakis, "Cutting Edge Research in Chemistry towards Commercialization: A Spin-off Step-by-Step in a Problem-Solving Process", Hellenic Open University MSc Program "Innovation Management and Entrepreneurship (IME), Online event, May 24, 2025
3. E. Psillakis, "Microextraction techniques in sample preparation: From "fundamentals" to real-word applications", July 13, 2022, Webinar, Iran University of Science and Technology, Tehran, Iran
4. E. Psillakis, "Simple" analytical tools for studying complex environmental problems, November 6, 2020, Department of Chemistry, University of Crete, Greece
5. E. Psillakis, University of Waterloo, Canada, Microextraction techniques in sample preparation: From "fundamentals" to real-word applications, February 28, 2020, Department of Chemistry, University of Waterloo, Canada
6. E. Psillakis, "Emerging and Persistent Organic Pollutants in Aquatic Environment: An Ever-Growing Problem", October 4, 2019, Department of Civil and Environmental Engineering, University of California Irvine, Irvine, USA.
7. E. Psillakis "Microextraction techniques in sample preparation: from «fundamentals» to real-word applications" June 19, 2019, University of Turin, Turin, Italy.
8. 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.
9. E. Psillakis, "Unlocking the sample prep box", March 13, 2018, Sun Yat-sen University, Guangzhou, P.R. China.
10. E. Psillakis "Sample preparation: think big, act small", November 28, 2017, University of Porto, Portugal.
11. E. Psillakis "Sample preparation: think big, act small", February 9, 2017, Department of Chemistry, University of Waterloo, Canada.
12. E. Psillakis "Microextraction and environmental analysis: think big, act small", December 20, 2016, Department of Analytical Chemistry, University of Valencia, Spain.
13. 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.
14. 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.
15. 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.

Talks in Annual Meetings and Forums

1. TEDxChania, “Turning points in the life of a scientist: No time to die”, Chania, Greece, 10 December 2022
2. E. Psillakis, “Analytical Chemistry: there’s no green like more green”, German Chemical Society Separation Science Group regular table, 24 November 2022
3. E. Psillakis, Invited speaker in the panel “The effect of the pandemic on the environment”, Delphi Economic Forum, Delphi, Greece April 6-9, 2022
4. E. Psillakis “EuChemS-DAC Sample Preparation Study Group and Network” National Annual Analytical Chemistry meeting of the Swedish Chemical Society, 3-4 May 2021, Online event
5. E. Psillakis “Green, simple and fast analytical tools for studying complex environmental problems” COST Action PortASAP Annual Meeting, 10-11 February 2021. Online event
6. E. Psillakis “Vacuum-assisted headspace microextraction: Faster, better, easier, gentler”. 4th STARSS Conference on Separation Science. 4th STARSS Conference on Separation Science (Specialized Team for Advanced Research on Separation Science), November 30 – December 1, 2020
7. E. Psillakis “Presentation of WG4: Sample Treatment and Microfluidic” COST Action PortASAP Annual Meeting, June 18-19 2020. Online event
8. E. Psillakis “The Sample Preparation Task Force of the European Chemical Society- Division of Analytical Chemistry” COST Action PortASAP Annual Meeting, June 18-19 2020. Online event
9. E. Psillakis “Marine Protection and Restoration from Natural Disasters and Human Activities”, Forum of Marine Cooperation between China and South European Countries, November 7-8, 2015, Xiamen, China

Talks in Webinars/Workshops

1. Dow Webinar for their EMEAI R&D and global Analytical Science community entitled “Navigating the path to sustainable analytical chemistry”, 9 December 2024
2. MARKES series of webinars on “Sorptive Extraction Fundamentals and Applications: Extracting More with SPME and HiSorb”, 29 October 2024
3. MARKES series of webinars on “Safety and quality testing in the food industry”, Online event, 16 November 2023
4. MERCK series of webinars, “Green Sample Preparation: The concept and the metric tool to evaluate greenness”, Online event, 25 September 2023.
5. BASF SE, “Analytical Chemistry: there’s no green like more green”, 18 October 2022, BASF SE, Ludwigshafen am Rhein, Germany
6. Anatune: Future Focus, 28-29 September 2022, Hilton City Centre, Cambridge, UK
7. Workshop Sustainable Solvents, GreenChem, 2 September, Het Pand in Ghent, Belgium
8. MARKES series of webinars on HiSorb “Discover – Connect – Collaborate”, Online event, 1 December 2022
9. LCGC and ChromSoc virtual symposium “Separation Science: The State Of The Art”, Online event, 18 October 2021
10. LCGC Video discussion panel “Advances in Sample Preparation” Online event, 18 September 2020.

Participation in panel discussions

1. Discussion Lead of the Round Table Discussion entitled “Green (Analytical) Chemistry: Between Vision and Reality”, 26th International Symposium on Advances in Extraction Technologies (ExTech2025), Mülheim, Germany, September 8-11, 2025
2. Panel discussion “Quo Vadis HPLC?” 54th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2025), Bruges, Belgium, June 15-19, 2025
3. Panel discussion on sustainability in separation science, International Symposium on Chromatography (ISC), Liverpool, UK, October 6-10, 2024
4. Panel discussion on “Greenness of official standard sample preparation methods (IUPAC project 2021-015-2-500)”, 3rd European Sample Preparation Conference and 2nd Green and Sustainable Analytical Chemistry Conference (EuSP2024|GSAC2024), Chania, Greece, September 15-18, 2024
5. Panel discussion “Towards a More Sustainable Lab (GDCh)”, Analytica Conference 2024, Munich, Germany, April 9–11, 2024
6. Panel discussion on Marine Environment: From Pollution to Solution organized by A.C. Laskaridis Foundation in collaboration with the British Embassy Athens, 24 November 2023, Athens, Greece.
7. Panel discussion on Green Chemistry organized during ARISTEIA Interdisciplinary School for Enviromental Crisis (ISEC), Loutra Edipsou, 16-18 December 2023.
8. Panel discussion “Laboratory Sustainability” organized during International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2023), Duesseldorf, Germany, 18-22 June 2023

CONFERENCE PROCEEDINGS

Short Abstracts in Conference Proceedings

1. E. Psillakis “Title to be announced” (Invited), 44th International Symposium on Capillary Chromatography (ISCC), Riva del Garda, Italy, May 17 - 22, 2026

2. E. Psillakis “Title to be announced” (Invited), 19th International Symposium on Hyphenated Techniques in Chromatography and Separation Technology (HTC-19), Leuven, Belgium, May 27-29, 2026
3. E. Psillakis “Title to be announced” (Keynote), 2nd International Conference on Circularity, Sustainability and Resilience in Water, Wastewater and Sludge Management (CSRW26), Thessaloniki, Greece, 29 March - 1 April 2026
4. E. Psillakis “Title to be announced” (Invited session organizer), Analytica conference 2026, Munich, Germany, March 24-26, 2026
5. E. Psillakis “The Circular Analytical Chemistry Opportunity” (Keynote), 2nd International Conference of the Hellenic Society for Circular Economy, September 17 – 19, 2025, Chania, Greece.
6. E. Psillakis “Green and sustainable analytical chemistry - are we getting there?” (Plenary), The Norwegian Symposium on Chromatography, Sandefjord, Norway, January 18 - 20, 2026
7. E. Psillakis “The Journey from Green Sample Preparation to Sustainable Analytical Chemistry” (Plenary), 20th Latin American Congress on Chromatography and Related Techniques (COLACRO), Campos do Jordão, SP, Brazil, October 29 to 31, 2025
8. E. Psillakis “Shaping a Sustainable Future for Analytical Chemistry” (Plenary), 26th International Symposium on Advances in Extraction Technologies (ExTech2025), Mülheim, Germany, September 8-11, 2025
9. E. Psillakis “The transformative journey form green sample preparation to sustainable analytical chemistry” (Plenary), XXII European Conference om Analytical Chemistry (Euroanalysis), Barcelone, Spain, 30 August-4Spetember 2025
10. E. Psillakis “Towards Sustainable Analytical Chemistry” (Plenary) 31st International Symposium on Electro- and Liquid-Phase Separation Techniques (ITP 2025), Ankara, August 24-27, 2025
11. E. Psillakis “Green and Sustainable Analytical Chemistry: Myths, Truths and Opportunities” (Keynote) 54th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2025), Bruges, Belgium, June 15-19, 2025
12. E. Psillakis “Cigarette Waste Leachates: An Overlooked Environmental Issue (Plenary) 4th European Meeting on Environmental Chemistry (EMEC24) Alicante, Spain, November 26-29, 2024
13. E. Psillakis “The Circular Analytical Chemistry Opportunity” (Invited), 10th Shanghai International Symposium on Analytical Chemistry (Analytica China Conference 2024), Shanghai, China, November 18-19, 2024
14. E. Psillakis “Vacuum-Assisted Headspace Microextraction: Fostering Innovation” (Keynote), International Symposium on Chromatography (ISC), Liverpool, UK, October 6-10, 2024
15. E. Psillakis “Navigating the path to sustainable analytical chemistry” (Invited), 28th International Symposium on Separation Sciences (ISSS 2024) Messina, Italy, September 22-25, 2024
16. E. Psillakis “Analytical Chemistry: From lines to circles” (Keynote), International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2024), Denver, USA, October 6-10, 2024
17. E. Psillakis “The Circular Analytical Chemistry Opportunity” (Invited), XXIV Reunión SEQA (Spanish Society of Analytical Chemistry), Zaragoza, Spain, July 1-3, 2024
18. E. Psillakis “Towards Circular Analytical Chemistry” (Invited), Analytica Conference 2024, Munich, Germany, April 9–11, 2024
19. E. Psillakis “Towards Circular Analytical Chemistry”, (Invited), 12th International Drug Chemistry Congress, Antalya, Turkey, March 7–10, 2024
20. I. Kandylioti, E. Psillakis, “Untargeted Analysis of Cigarette Leachate Extracts using High-Capacity Sorptive Extraction followed by TD-GC×GC-MS” 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22-25, 2024
21. I. Kandylioti, E. Psillakis, “GC×GC Analysis of Organics Leached from Cigarettes and Heat-not-Burn Tobacco Products”, 3rd European Sample Preparation Conference and 2nd Green and Sustainable Analytical Chemistry Conference (EuSP2024|GSAC2024), Chania, Greece, September 15-18, 2024
22. A. Pateraki, E. Psillakis, “Geographical Origin Authentication of Cretan Thyme Honey Using Vacuum-Assisted Headspace Solid-Phase Microextraction Arrow”, 3rd European Sample Preparation Conference and 2nd Green and Sustainable Analytical Chemistry Conference (EuSP2024|GSAC2024), Chania, Greece, September 15-18, 2024
23. A. Pateraki, E. Psillakis, Vacuum-Assisted Headspace Solid-Phase Microextraction of Tomato Volatiles During Ripening, 3rd European Sample Preparation Conference and 2nd Green and Sustainable Analytical Chemistry Conference (EuSP2024|GSAC2024), Chania, Greece, September 15-18, 2024
24. E. Psillakis “Vacuum-Assisted Headspace Microextraction: From Theory to a New Product”, (Plenary) 12th Aegean Analytical Chemistry Days (AACD2023), Istanbul, Turkey, October 19 – 22, 2023
25. E. Psillakis. “Plastic pollution and emerging contaminants: the art of war” (Plenary) 25nd International Symposium “The Environment and Industry” - SIMI 2021, Bucharest, Romania, September 27-29, 2023.
26. I. Kandilioti, A. Naka, E. Psillakis, Solar Photodegradation of Nicotine In The Presence Of Aged Polystyrene Pellets, Eureca Pro Conference, 26-29 September, Chania-Crete, Greece
27. E. Psillakis “Vacuum-Assisted Headspace Microextraction: From Theory to a New Product”, (Keynote) 25th International Symposium on Advances in Extraction Technologies (ExTech2023), Tenerife, Canary Islands, Spain, 18-21 July 2023
28. E. Psillakis “Designing for a green analytical chemistry future”, (Keynote) 33rd International Symposium on Pharmaceutical and Biomedical Analysis (PBA 2023), Ankara, Turkey, 2-6 July 2023

29. E. Psillakis “Designing for a green analytical chemistry future”, (Invited) International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2023), Duesseldorf, Germany, 18-22 June 2023
30. E. Psillakis “Littered Cigarette Butts: A Small-Sized Waste Creating Big-Sized Problems” (Invited) 4th International Environmental Chemistry Congress (EnviroChem), October 30-November 2, 2022, Antalya, Turkey. In person event.
31. E. Psillakis “The Ten Principles of Green Sample Preparation and the First Metric Tool for Greenness Assessment” (Keynote) 34th Turkish National Chemistry Congress, September 1-6, 2022, Yalova, Turkey. In person event.
32. E. Psillakis. “The Ten Principles of Green Sample Preparation and the First Metric Tool for Greenness Assessment” (Keynote), International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC2022), San Diego, California, USA, June 18-23, 2022. In-person event
33. E. Psillakis. “Sample Preparation: the excluded essential in Green Analytical Chemistry” (Keynote), 2nd Pan American Essential Oils Symposium, part to the CLAQ 2020 events, Cartagena de Indias, Colombia, October 11-15, 2021. Hybrid event.
34. E. Psillakis. “Green Sample Preparation” (Invited), IUPAC | CCCE 2021, the 48th World Chemistry Congress and 104th Canadian Chemistry Conference and Exhibition, 13-20 August, 2021, Online event.
35. E. Psillakis, N. Solomou D. Bowman, E. Fernadez, N. Koutela, D. Venieri, “LITTERED CIGARETTE BUTTS: THE FORGOTTEN TWO-SIDED TYPE OF PLASTIC POLLUTION”, 7th International Conference on Industrial and Hazardous Waste Management, 27 – 30 July, 2021.
36. E. Psillakis. “Asking better questions in microextraction”, 1st European Sample Preparation Conference, March 11–12, 2021, Online event.
37. N. Solomou, S. Alberti, M. Sotiropoulou, E. Fernandez, M. Ferretti, R. Szafnauer, E. Psillakis, UV-254 DEGRADATION OF NICOTINE IN NATURAL WATERS AND LEACHATES PRODUCED FROM CIGARETTE BUTTS AND HEAT-NOT-BURN TOBACCO PRODUCTS, 23st International Symposium on Advances in Extraction Technologies, ExTech®2021, June 29 - July 3 2021, Alicante, Spain.
38. N. Solomou, E. Fernandez, R. Szafnauer, E. Psillakis, LEACHING OF PAHS FROM HEAT-NOT-BURN TOBACCO PRODUCTS AND CIGARETTE BUTTS, 23st International Symposium on Advances in Extraction Technologies, ExTech®2021, June 29 - July 3 2021, Alicante, Spain.
39. A. Pateraki, D. Tzanetou, E. Psillakis, “Sub-ambient temperature sampling of volatiles from cheese using vacuumassisted headspace thin film microextraction and solid phase microextraction”, 1st European Sample Preparation Conference, March 11 – 12, 2021, Online event.
40. N. Solomou, M. Sotiropoulou, E. Fernández, E. Psillakis, “Sorptive Extraction of PAHs and nicotine in leachates produced by cigarette butts and heat-not-burn tobacco products”, 1st European Sample Preparation Conference, March 11 – 12, 2021, Online event.
41. S. Mascrez, E. Psillakis, G. Purcaro, “Vacuum-Assisted Headspace SPME: A Powerful Tool for Extra Virgin Olive Oil Profiling Enhancement”, 1st European Sample Preparation Conference, March 11 – 12, 2021, Online event.
42. S. Mascrez, E. Psillakis, G. Purcaro, “Vacuum-Assisted Headspace SPME Under Sub-Ambient Temperature for the Analysis of Fish Samples”, 1st European Sample Preparation Conference, March 11 – 12, 2021, Online event.
43. E. Psillakis, “Vacuum-assisted headspace microextraction: Faster, better, easier, gentler” (Invited), 4th STARSS Conference on Separation Science, Nov 30- Dec 1, 2020, Online event.
44. E. Psillakis “Green, simple and fast analytical tools for studying complex environmental problems”, (Keynote), 5th Green & Sustainable Chemistry Conference, October 18-21 2020, Bonn, Germany.
45. E. Psillakis, N. Koutela and E. Fernández “Leaching of metals and nicotine from littered cigarettes and heated tobacco sticks in water: An overlooked issue?”, 21st International Symposium on Advances in Extraction Technologies, ExTech®2019 November 9-13 2019, Guangzhou, China.
46. N. Solomou, N. D. Spadafora, M. Santoro, J. Dunstan, Elia Psillakis “Spice up aroma”: aroma fingerprinting of ginger, black pepper, and cinnamon powder by Vac-HiSorb TD-GC-MS” 21st International Symposium on Advances in Extraction Technologies, ExTech®2019 November 9-13, 2019, Guangzhou, China.
47. N. Solomou, N. D. Spadafora, M. Santoro, J. Dunstan, E. Psillakis “Use of Vacuum-assisted HiSorb sorptive extraction coupled with Gas chromatography/Mass Spectrometry to assess volatile composition of Chinese green tea and coffee drinks” 21st International Symposium on Advances in Extraction Technologies, ExTech®2019 November 9-13 2019, Guangzhou, China.
48. N. Solomou, N. D. Spadafora, M. Santoro, J. Dunstan, E. Psillakis “Vacuum-assisted HiSorb: Enhanced aroma profiling of Chinese green tea leaves and coffee powder” 21st International Symposium on Advances in Extraction Technologies, ExTech®2019 November 9-13 2019, Guangzhou, China.
49. N. Solomou, F. Wang, G. Ouyang, S. Mascrez, G. Purcaro, B. Sgorbini, C. Bicchi, and Elia Psillakis “Vacuum-assisted headspace (micro)extraction: Analytes take the fast lane” (Plenary) 21st International Symposium on Advances in Extraction Technologies, ExTech®2019 November 9-13 2019, Guangzhou, China.
50. S. Mascrez, E. Psillakis, G. Purcaro “Exploring the performance of vacuum-HS-SPME for volatile profiling of olive oil” RAFA , Recent Advances in Food Analysis, November 5-8, 2019, Prague, Czech Republic.
51. E. Psillakis, “Emerging and Persistent Organic Pollutants in Aquatic Environment: An Ever-Growing Problem”, (Invited), 2019 International Green and Sustainable Chemistry Conference, 16-19 October 2019, Beijing, China.
52. E. Psillakis, “Leaching of chemicals from littered cigarettes and heated tobacco sticks in water: An overlooked issue?”,

(Plenary) 22nd International Symposium "The Environment and Industry" - SIMI 2019, September 25-27 2019, Bucharest, Romania.

53. E. Psillakis, Nicoleta Solomou, Evdokia Fountouli, Elena Fernández "Introduction to WG4 and the recent developments on the effect of vacuum on headspace (micro)extraction.", (Invited) Euroanalysis 2019, September 1-5 2019, Istanbul, Turkey.
54. E. Psillakis, N. Koutela and E. Fernández "Leaching of metals and nicotine from littered cigarettes and heated tobacco sticks in water: An overlooked issue?", Euroanalysis 2019, September 1-5 2019, Istanbul, Turkey.
55. S. Mascrez, E. Psillakis, G. Purcaro, "A comprehensive study on the effect of vacuum on HS-SPME efficiency in lipid matrix. A case study: olive oil aroma profiling" Euroanalysis 2019, September 1-5 2019, Istanbul, Turkey.
56. S. Mascrez, E. Psillakis, G. Purcaro, "A comparative study on the effect of vacuum on HS-SPME of olive oil volatiles", 43rd International Symposium on Capillary Chromatography & the 16th GCxGC Symposium, May 12-17 2019, Fort Worth, Texas, USA.
57. E. Psillakis, N. Koutela, M.-L. Saru, and E. Fernández, "Leaching of metals from cigarettes and heated tobacco sticks in natural water", EGU General Assembly 2019, April 7-12, 2019, Vienna, Austria.
58. 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.
59. N. Koutela, M. Vakinti and E. Psillakis, "Microextraction: An ideal platform to analyze and simulate the environment", Keynote lecture to be presented at the 18th European Meeting on Environmental Chemistry (EMEC), November 26-29, 2017, Porto, Portugal.
60. 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.
61. 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
62. E. Yiantzi, M.-L. Glykioti, M. Celeiro Montero, M. Llompart 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
63. 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
64. 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.
65. 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.
66. 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.
67. E. Yiantzi, N. Kalogerakis, E. Psillakis, "Vacuum – Assisted HSSPME Application for the Extraction of PAHs from Sandy Soil Samples" 16th International Symposium on Advances in Extraction Technologies, ExTech®2014, May 26-28, 2014, Chania, Greece.
68. 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.
69. E. Psillakis**, "**Vacuum-assisted headspace solid-phase microextraction 13th Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, January 28-31, 2014, Bruges, Belgium.
70. K. Tsourounaki, E. Psillakis, "Application of solid phase microextraction to study the photolysis of di-n-propylisocinchomeronate in water" 8th International Conference Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2013, September 15-19, 2013, Thessaloniki, Greece.
71. 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, Joao Pessoa, Brazil.
72. A. Perraki, C. Giatatzi, S. Kyparisis, N. Kalogerakis, E. Psillakis, "Beached plastic resin pellets used to measure PCBs and PAHs in the Cretan seawater" 15th International Symposium on Advances in Extraction Technologies, ExTech®2013, August 4-7, 2013, Joao Pessoa, Brazil.
73. E.Psillakis, N. Kalogerakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction: Improved extraction of semivolatiles" 14th International Symposium on Advances in Extraction Technologies, ExTech®2012, September 24–26, 2012, Messina, Italy.
74. K. Kalafata, E. Psillakis, "Microplastics as a concentration medium for polybrominated compounds present in seawater" 3rd International Conference on Hazardous Waste Management, September 12-14, 2012, Chania, Greece.
75. G. Aroniada, K. Tsourounaki, E. Psillakis, "Photodegradation of methylparaben in various environmental aqueous solutions by 254 nm irradiation" 3rd International Conference on Hazardous Waste Management, September 12-14,

2012, Chania, Greece.

76. E. Psillakis, N. Kalogerakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction: Improved extraction of semivolatiles" 36th International Symposium on Capillary Chromatography and 9th GCxGC Symposium, May 27 - June 1, 2012, Riva del Garda, Italy.
77. E. Psillakis, N. Kalogerakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction" 14th International Symposium on Advances in Extraction Technologies, ExTech®2011, September 27 – 29, 2011, Kuala Lumpur, Malaysia.
78. A. Mousouraki, E. Yiantzi, N. Kalogerakis, E. Psillakis "Vacuum-Assisted Headspace Solid-Phase Microextraction of polycyclic aromatic hydrocarbon from water samples" 7th International Conference Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2011, September 18-22, 2011, Chania, Crete Greece.
79. E. Yiantzi, N. Kalogerakis, E. Psillakis "Automation Possibilities for Vacuum-Assisted Headspace Solid-Phase Microextraction" 7th International Conference Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2011, September 18-22, 2011, Chania, Greece.
80. E. Psillakis, N. Kalogerakis, "Vacuum-Assisted Headspace Solid-Phase Microextraction" 7th International Conference Instrumental Methods of Analysis-Modern Trends and Applications, IMA 2011, September 18-22, 2011, Chania, Greece.
81. P. Pittakaras, L. Sanchez-Prado, E. Psillakis, "Screening the presence of pyrethroid insecticide residues in edible oils by using hollow-fibre liquid phase microextraction" 5th European Conference on pesticides and related organic micropollutants in the environment, Pesticides 2008, October 22-24, 2008, Marseille, France.
82. A. Palaioyianni, L. Sanchez-Prado, E. Psillakis, "Application of Headspace Solid Phase Microextraction to the Analysis of Organophosphorus Pesticides in Olive Oil" 5th European Conference on pesticides and related organic micropollutants in the environment, Pesticides 2008, October 22-24, 2008, Marseille, France.
83. 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" 12th Jornadas de Análisis Instrumenta, October 21-23, 2008, Barcelona, Spain.
84. K. Kalafata, L. Sanchez-Prado, E. Koukouraki, E. Psillakis, "Matrix effects on the ice photodegradation of polybrominated flame retardants" 1st International Conference on Hazardous Waste Management, October 1-3, 2008, Chania, Greece.
85. 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.
86. A. Papadopoulou, I. P. Román Falcó, K. Tyrovola, A. Canals, E. Psillakis, "Screening the presence of polyfluorinated sulfonates in water samples" 4th European Bioremediation Conference, September 3-6, 2008, Chania, Greece.
87. 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.
88. E. Psillakis "New sampling modes in Liquid-Phase Microextraction" 9th International Symposium on Advances in Extraction Technologies, ExTech®2007, June 3-6, 2007, Ålesund, Norway.
89. L. Sanches-Prado, C. Garcia-Jares, M. Llompart, M. Lores, E. Psillakis "Aqueous photodegradation of polybrominated diphenyl ethers: effect of matrix and comparison with ice photodegradation" 9th International Symposium on Advances in Extraction Technologies, ExTech®2007, June 3-6, 2007, Ålesund, Norway.
90. E. Giantzi, E. Psillakis "Determination of bisphenol A, nonyl- and octyl-phenol in water samples using the free microdrop preconcentration method 9th International Symposium on Advances in Extraction Technologies, ExTech®2007, June 3-6, 2007, Ålesund, Norway.
91. E. Giantzi, E. Psillakis "Trace analysis of nolylphenol, 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.
92. 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.
93. O. Mihas, 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.
94. 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
95. E. Psillakis, "Monitoring the degradation of micropollutants in water using LPME" PITTCON, March 12-17, 2006, Orlando, Florida, USA.
96. 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.
97. 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
98. D. Mantzavinos, E. Psillakis, "Enhancement of biodegradability of industrial wastewaters by chemical oxidation pre-

treatment" 2nd European Bioremediation Conference, June 30-July 42003, Chania, Greece

99. E. Psillakis, N. Kalogerakis, "Hollow-fiber Liquid-Phase Microextraction of phthalate esters from water" 4th International Symposium on Advances in Extraction Technologies, ExTech®2002, July 3-5, 2002, Paris, France.
100. E. Psillakis, N. Kalogerakis, "Solid-Phase Microextraction (SPME) versus single-drop microextraction (SDME) for the analysis of nitroaromatic explosives in water samples" 10th Symposium on Handling of Environmental and Biological Samples in Chromatography, April 1-4, 2001, Mainz, Germany.
101. E. Psillakis, N. Kalogerakis, "Identification of volatile compounds in olive-oil mill wastewaters by headspace solid-phase microextraction and GC/MS 10th Symposium on Handling of Environmental and Biological Samples in Chromatography, April 1-4, 2001, Mainz, Germany.
102. E. Psillakis, N. Kalogerakis, "Trace analysis of explosives in soil samples using solid-phase microextraction (SPME) and GC/MS" 9th 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, 11th 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" 10th 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" 10th 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" 10th 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" 8th 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" 3rd 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 7th 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.

INTERVIEWS/ARTICLES IN ANALYTICAL CHEMISTRY MAGAZINES

1. The Analytical Scientist, "Lessons Crossing the Valley of Death", 2025, Elia Psillakis, Issue September.
2. The Analytical Scientist, "The 12 Goals of Circular Analytical Chemistry", Elia Psillakis, April, 2025, Online Issue.
3. LCGC International, Column, May 2025, HPLC 2025 COMPANION: HOT TOPICS IN (U)HPLC, "Towards Sustainable Analytical Chemistry" interview by Alasdair Matheson
4. LCGC International, Column, May 2024, Volume 20, Issue 5, pg. 2-6 "Sustainability and Separation Science: An Update" interview by Alasdair Matheson
5. LCGC Europe Analytica Companion 2022 "Trends and Developments" 2022, Volume 35, Number s6
6. The Analytical Scientist, "Putting Sample Prep Centerstage" Elia Psillakis, Manuel Miró, Stig Pedersen-Bjergaard, 2020, Issue 88.
7. The Analytical Scientist, "The criticality in sample preparation" by E. Psillakis, 2020, Issue 86.
8. 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.
9. The Analytical Scientist, "Unlocking the Sample Prep Black Box" by E. Psillakis, 2016, Issue 106.

PATENTS

METHODS AND VIAL CLOSURES FOR HEADSPACE EXTRACTION UNDER VACUUM, WIPO, PCT, International Publication Number.: WO 2021/100006 A1

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)

SPIN OFF COMPANY

Founder and Director of ExtraTECH Analytical Solutions SPMC (www.extratech.gr), one of the three spinoffs of the Technical University of Crete, founded in December 2019. The company designs and builds innovative sample preparation related products that ensure fast extraction under mild experimental conditions. The innovative solutions proposed are critical for analytical laboratories dealing with food, flavor, beverages, and environmental applications. ExtraTECH Analytical Solutions has signed non-exclusive global distribution agreements with MARKES and Element. The company has one pending patent: WIPO, PCT, International Pub No.: WO 2021/100006 A1. The company became after competitive selection a member of the national startup point ELEVATE Greece, EGG | Eurobank Accelerator and Hellenic Federation of Enterprises (SEV).

FUNDING

European and National grants

1. Center for advanced chemical and biological analysis. Role: Principal Investigator; Funding Source: PANEPISTIMIA ARISTEIAS; Budget: € 601152; Duration: 2024-2026
2. Research actions for promoting the cultivation of avocado in Crete. Role: Research Associate; Funding Source: Region of Crete; Budget: € 300000; Duration: 2023-2026
3. Differentiation of the geographical and botanical origin of honeys produced in the Prefecture of Chania. Role: Project Coordinator; Funding Source: Region of Crete; Budget: € 100000; Duration: 2022-2025
4. 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
5. Microalgae-bio-products. Role: Research Collaborator; National Strategic Reference Framework. Budget: € 146800 € Duration: 2012-2015
6. 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
7. Innovation Center of Crete. Role: Research Collaborator; Funding Source: Hellenic ministry of Finance and Competiveness (EEA grants); Budget: € 498800; Duration: 2011-2012
8. 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
9. 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
10. 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
10. Characterisation of landfill leachates. Role: Research Collaborator; Sponsor: Chania Municipal Landfills Office; Budget: € 60000; Duration: 2009-2010
11. 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
12. 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
13. Integration of Environmentally 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
14. 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
15. 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
16. 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

Funding from the Industry and Private Sector

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. RESTEK: RASP Program for Laboratory consumables. Ongoing collaboration
3. SUPELCO Bellefonte, USA: SPME fibers and Thermogreen Septa, Ongoing collaboration
4. Shimadzu Europa GmbH and SepSolve: Partial funding of the GCxGC-MS purchase. Ongoing collaboration
5. Markes International Ltd Vacuum-assisted headspace HiSorb. Ongoing collaboration
6. Markes International Ltd: Partial funding of the Thermal desorption Unit. Ongoing collaboration
7. Several contracts for routine analytical services in my laboratory with a budget up to € 5000

Other Funding

1. IUPAC Project: Greenness of official sample preparation methods; Role: Coordinator; Funding Source: IUPAC, Budget: € 5000; Duration: 2021-2024
2. European network for the promotion of portable, affordable and simple analytical platforms, PortASAP; COST Action CA16215; Role: Work-group Leader; Funding Source: COST Association; Budget: € 150000/year; Duration: 2017-2021
3. Erasmus+ European exchanges and mobility; Role: Institutional Coordinator; Budget: € 200000 Duration: 2015-2016

Funding for Instrumentation

1. Purchase of a UHPLC-MS/MS. Funding Source: TU-Crete; Budget: € 350000. Year: 2024
2. Purchase of a GCxGC-MS. Funding Source: Region of Crete; Budget: € 80000. Year: 2023
3. Purchase of a GC-MS. Funding Source: TU-Crete; Budget: € 130000. Year: 2020
4. Purchase of a GC-Ion Trap MS. Funding Source: Research Committee of TU-Crete; Budget: € 80000. Year: 2010
5. Purchase of an LC-MS. Funding Source: Region of Crete-Hellenic Republic Decentralized Administration of Crete; Budget: € 150000 Year: 2009

Project Funding from TU-Crete

1. Environmental Ice Photochemistry of Chlorinated Pesticides. Role: PI; Funding Source: Research Committee of TUC; Budget: € 12000; Duration: 2008-2010.
2. 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.

Funding for International Research exchanges

1. Erasmus+, International Credit Mobility, Technical University of Crete, Greece- University of South Australia, Australia, Role: Coordinator; Budget: € 6000 Duration: 2020-2022
2. Erasmus+, International Credit Mobility, Technical University of Crete, Greece-CALTECH, USA Role: Coordinator; Budget: € 6000 Duration: 2019-2021
3. Erasmus+, International Credit Mobility, Technical University of Crete, Greece- University of Waterloo, Canada Role: Coordinator; Budget: € 6000 Duration: 2019-2020
4. Erasmus+, International Credit Mobility, Technical University of Crete, Greece-Sun Yat-sen University, China Role: Coordinator; Budget: € 11000 Duration: 2017-2018
5. Erasmus+, International Credit Mobility, Technical University of Crete, Greece-Iowa State University, USA, Role: Coordinator; Budget: € 5000 Duration: 2016-2017
6. Erasmus+, International Credit Mobility, Technical University of Crete, Greece-University of Waterloo, Canada, Role: Coordinator; Budget: € 6000 Duration: 2016-2017

INTER-INSTITUTIONAL AGREEMENTS WITH EUROPEAN UNIVERSITIES (ERASMUS+)

1. Universita di Genova, Genova, Italy
2. Universita Degli Studi di Torino, Torino, Italy,
3. Universidad de Santiago de Compostela, Santiago de Compostela, Spain
4. Universidad de Valencia, Valencia, Spain

5. Universidad de la Laguna, Tenerife, Spain
6. Nicolaus Copernicus University in Torun, Torun, Poland

ADMINISTRATION

2026-2027	Elected member of the IUPAC's Analytical Chemistry Division Committee for the biennium 2026 – 2027
2022-Present	Elected as delegate representing Greece at the European Chemical Society-Division of Analytical Chemistry
2019-Present	Head of the "Sample Preparation" Study Group of the European Chemical Society-Division of Analytical Chemistry
2017-2022	Leader of Work-Group 4 "Sample preparation and microfluidics", European network for the promotion of portable, affordable and simple analytical platforms, PortASAP; COST Action CA16215
2017-2019	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
2013-2021	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
2005-2021	Laboratory Safety Committee, School of Environmental Engineering, TUC

PROPOSAL EVALUATION EXPERIENCE

2025	Review Panel Member for the COST Open Call OC-2024-1, Brussels, Belgium
2024	Evaluator for "Flanders Research Foundation", Belgium
2024	Evaluator for "Greek Research Students, Fulbright" Greece
2022	Evaluator for the "National Science Centre Poland" for project proposals
2021	Evaluator in ELIDEK, Greece for project proposals submitted within the call for Faculty Staff Projects
2020	Expert for monitoring the progress of approved projects in ELIDEK, submitted within "Post-doctoral Research Projects"
2020	Evaluator for the Swiss National Science Foundation (SNSF) for project proposals submitted within: *"*Ambizione".
2019	Expert Evaluator for the Croatian Science Foundation (HRZZ) for project proposals submitted within "Research Projects"
2019	Expert evaluator for ELIDEK, Greece for project proposals submitted within "Post-doctoral Research Projects"
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 9th and 10th *International University Competition on Entrepreneurship and Innovation* 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.
2011-2013	Two times Invited Vice-Chair: Remote evaluation phase and panel meeting in Brussels for the FP7 *People Individual Marie Curie Actions* (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 *People Individual Marie Curie Actions* (Chemistry Panel), involving Intra-European Fellowships (EIF) International Outgoing Fellowships (OIF) and International Incoming (IIF) Fellowships.
2009-2010	Expert Evaluator: Remote evaluation of the *National Framework Programme for Research*,

Technological Development and Innovation Programme 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 *People Individual Marie Curie Actions* (Chemistry Panel), involving Intra-European Fellowships (EIF) International Outgoing Fellowships (OIF) and International Incoming (IIF) Fellowships.

TEACHING EXPERIENCE

New courses developed at TUC

2021-Present Second-Year undergraduate course "Instrumental Chemical Analysis", TUC

This course offers knowledge on the modern methods of instrumental analysis and in combination with the laboratory exercises aims at a full understanding of the methods of detection and quantification of chemical compounds. The course will cover sampling strategies and sample preparation technologies, chromatographic separation techniques and detectors that can be coupled to them. A range of spectrochemical methods is also presented with the aim of fully understanding spectrometric analyses. Introduction to atomic spectroscopy is foreseen and intended to increase understanding of the methods used for metal analysis. Finally, the statistical evaluation of the results and the calibration of methods are presented as a tool for evaluating the results

2024-Present Fourth-Year undergraduate course "Green Chemistry", TUC

This course focuses on designing chemical processes and products that minimize environmental impact while enhancing efficiency and safety. Key topics include: Sustainable Design: Developing safer materials and processes with minimal waste, Atom Economy: Maximizing incorporation of all starting materials into the final product, Renewable Feedstocks: Replacing fossil-based resources with renewable ones, Energy Efficiency: Conducting reactions under mild conditions to save energy, Catalysis: Using catalysts to improve reaction efficiency and reduce waste, Biodegradability: Designing products that break down safely in the environment. Students explore green metrics and real-world applications, such as green solvents, renewable energy, and sustainable materials, and learn how green chemistry contributes to solving global challenges like climate change and pollution.

2011-2021 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 covers introduction to water quality parameters (with a focus on emerging and persistent pollutants), pollutants properties and measurement techniques. Fate and transport of pollutants in relation with their physicochemical properties, risk assessment in relationship to water quality are also covered.

2005-Present Third Year undergraduate course "Aquatic Chemistry", TUC (for 2004-2005 was 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.

2004-Present Graduate course "Advanced topics in environmental organic chemistry", TUC

This module focuses on the fate and behavior of organic pollutants in the environment, considering fundamental principles and processes, which control their fate in environment systems. The material delivered in this module will be supported by detailed case studies, taken from the peer-reviewed sources. This module aims to provide understanding of the fundamental principles relating to the fate and behavior of contaminants in environmental media for scientists with relevant degrees. The course will also cover the latest advancements in analytical methods such as liquid chromatography (LC), gas chromatography (GC) and mass spectrometry (MS). Special focus will be made on how these methods, and others, can be used to solve different problems of environmental chemical nature. Current trends in sample preparation techniques in a variety of samples will be duly covered. During the course the students will practice to independently evaluate and select between different analysis and sampling methods. Students will also practice to collaborate and solve problems in group using "problem-based learning" methods. The experimental work during the course will be examined through carefully prepared scientific reports.

2004-2017 Graduate course "Advanced topics in environmental chemistry", TUC

This course examines 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 are used throughout the course to develop predictive relationships for organic contaminant solubility

and partitioning between environmental phases, sorption to solid surfaces and transformation processes. The course also includes laboratory (responsible: Professor E. Psillakis) and modeling (responsible: Professor N. Nikolaidis) exercises.

2002-2014 Graduate course "Analysis of environmental samples", TUC
Students taking this course acquire 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 learn the appropriate procedures for the collection, preservation, and treatment of environmental samples and the subsequent instrumental analysis. Data analysis methods necessary to produce accurate, sensitive and reproducible analytical results are also treated.

THESES SUPERVISION

PhD Theses

(2023) Nikolitsa Solomou "Advanced Studies on the Detection and Fate of Organic Pollutants in water" Duration: 2018-2023
(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:

Angeliki Pateraki, 2020-Present
Irina Kandylioti, 2021-Present

Graduates Theses

(2020) Koutela Niki "Leaching of metals form tobacco products"
(2019) Vakinti Maria "Determination of haloanisoles in wine using vacuum-assisted headspace solid-phase microextraction"
(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"

Undergraduate Theses

(2023) Eleni Anagnostou "A novel method for the determination of polycyclic aromatic hydrocarbons (PAHs) in water using Vacuum-assisted SPME Arrow"
(2023) Koutsospyrou Melina Aristea "Analysis of the volatile profile of thyme honey samples using vacuum-assisted headspace solid-phase microextraction"
(2022) Alexandra Naka "Degradation of nicotine using sodium persulfate activated with solar radiation"
(2021) Kandylioti Irina, (2021) "Evaluation of the data obtained from Greek Coastal clean-ups during ''Typhoon'' 2019-2021 project"
(2021) Tzanetou Dimitra, "Optimization of vacuum-assisted microextraction for the analysis of the volatile profile of dairy products"
(2020) Sotiropoulou Maria. "Photolytic fate of nicotine in leachates produced from unused and unused tobacco products"
(2019) Fountouli Evdokia. "Vacuum assisted headspace microextraction sampling of volatile analytes (BTEX)
(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 pollutanats on plastic resin pellets"
(2014) Lagoudakis Charalabos "Vaccum-assisted solid-phase microextraction of organochlorinated pesticides from water samples"
(2013) Peloubi Eneisa "Vortex-assisted liquid-liquid microextraction of 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 α- and β-Endosulfan in water"
(2005) Bakouras Xenofon "Micropollutants in wastewater"
(2004) Theodoropoulou Despina "Phthalate esters: sources, toxicity and fate"

Current UG students:
Evangelia Stambolaki

TRAINING OF INTERNATIONAL PhD STUDENTS IN THE LABORATORY

Alua Zhumadildinova	14/10/2024-20/12/2024, Al-Farabi Kazakh National University, Kazakhstan
Alberto Panicco	28/9/2023-273/2023, University of Turin, Florence, Italy
Pietro Bonechi	17/2/2023-16/6/2023, University of Florence, Florence, Italy
Breno Jorge Pollo	01/09/2022-28/02/2023, University of Campinas, Sao Paolo, Brazil
Martina Machová	01/10/2020-15/12/2020 continuation, University of Pardubice, Czech Republic
Lúa Vázquez Ferreiro	17/02/2020-31/03/2020, University of Santiago de Compostela, Spain
Martina Machová	01/03/2020-30/05/2020, University of Pardubice, Czech Republic
Jose Gru Escribano	01/09/2019-30/11/2019, University of Valencia, Spain
Aray Zhakupbekova	01/09/2019-30/11/2019, Al-Farabi Kazakh National University, Kazakhstan
Stefano Alberti	21/01/2019-20/06/2019, University of Genoa, Italy
Nathalie Delbecque	11/02/2019-24/05/2019, University of Liege, Belgium
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 and 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
Fran J. Pena Pereira	1/10/2006-30/10/2006 and 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
Petri Efstathiou	1/4/2007-30/4/2007, Chemistry Laboratory of the State of Cyprus, Cyprus

SUPERVISION OF POST-DOCTORAL RESEARCHERS

Dr. Rafael Martins (July 2025-December2025)
Dr Evangelia Yiantzi (May 2020-December 2020)
Dr Elena Fernadez (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.

THESES EVALUATION EXPERIENCE

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

TUC Diploma and Master Theses: Member of 70 examinations committees for Diploma and Master Theses awarded by TUC

International PhD Theses

(2024) Steven Mascrez, University of Liege, Liege, Belgium Profiling and fingerprinting of volatiles by advanced analytical techniques (supervisor: Professor Giorgia Purcaro

(2021) Frederik André Hansen, University of Oslo, Norway "Electromembrane extraction of polar pharmaceutical bases and endogenous metabolites". First Opponent for the PhD Thesis (supervisor Professors S. Pederseen-Bjergaard)

(2020) Verma Neeraj, University of South Australia, Adelaide, Australia "In-vivo sampling strategies: development of a robust equilibrium approach". The doctorate thesis carried out at University of South Australia (supervisor Professor E. Hilder).

(2017) Elena Fernadez 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 Quimica Analitica, 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 Quimica Analitica, 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 Quimica Analitica, Nutricion y Bromatologia, Facultad de Quimica, Instituto de Investigacion y Analisis Alimentario, Universidad de Santiago de Compostela (supervisor Professo M. Llompart)

(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 Quimica Analitica, 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 Quimica Analitica, Nutricion y Bromatologia, Facultad de Quimica, Instituto de Investigacion y Analisis 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 fotodgradacion de compuestos organicos mediante microextraccion en fase solida, cromatografia de gases y espctrometria de masas". Member of the examination committee for for the European PhD dissertation of Lucia Sánchez Prado, Universidad de Santiago de Compostela, Spain (supervisor Professor M. Llompart)

(2006) Barro Ruth, University of Santiago de Compostela, Santiago de Compostela, Spain "Optimizacion de nuevos metodos para la determinacion de contaminantes organicos en aire". Memebr of the examination commitee. The

doctorate thesis carried out at Departamento de Quimica Analitica, Nutricion y Bromatologia, Facultad de Quimica, Instituto de Investigacion y Analisis Alimentario, Universidad de Santiago de Compostela, Spain (supervisor Professor M. Llompart)

In progress

- Aray Zhakupbekova, Al-Farabi Kazakh National University, Almaty, Kazakhstan (supervisor Senior lecturer N.Kh. Baimatova). Member of the tribunal committee.

REVIEWER FOR ISI JOURNALS

Analytical Chemistry, Environmental Science and Technology, Analytica Chimica Acta, Science of the Total Environment, Journal of Hazardous Materials, Talanta, Environmental Pollution, Environment International, Environmental Research, TrAC-Trends Analytical Chemistry, Separation and Purification Technology, Microfluidics and Nanofluidics, Journal of Chromatography A, Journal of Separation Science, Water Research, Chemosphere, Journal of Agricultural and Food Chemistry, Food Analytical Methods, 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, Chemical Engineering Journal, Analytical and Bioanalytical Chemistry, Sustainable Chemistry and Pharmacy, Green Analytical Chemistry, Food Analytical Methods.

REVIEWER FOR NEW BOOK PROPOSAL

Reviewer for new book proposals in Elsevier and Springer

OUTREACH ACTIVITIES / INTERVIEWS IN MAGAZINES

2024-Science and Technology Fair for Primary School Students, Role: Coordinator, November 2, 2024, Technical University of Crete, University Campus

2024-Interview from StoryMentor regarding “Professional Failures”

2024- Interview from Wiley Analytical Science (WAS) (https://analyticalscience.wiley.com/content/article-do/q-elia-psillakis)

2024-Interview from StoryMentor regarding the “Glass Ceiling effect”.

2024-Podcast at pod.gr discussing Marie Curie and the role of women in chemistry.

2023-Invited by the Greek Chemical Society and Aristotle University of Thessaloniki in a panel discussion on Women in STEM. Online event February 13, 2023.

2022 Interview from Impact Talk (https://impactalk.gr/en/stories-talk/elia-psillakis-award-winning-greek-chemist)

2022-In collaboration with StoryMentor non-profit organization of two panel discussions (Athens and Chania) regarding the Glass Ceiling effect and its impact on women.

2022-Invited by TUV Hellas | TUV Nord to participate in an online discussion on Women Mentors. Online event March 8, 2022.

2021-Interview from Makis Provatas at Athens Voice magazine.

2020-Collaboration with the A.C. Laskaridis Foundation for promoting the environmental problem with single-use plastics

2015-Science and Technology Fair for Primary School Students, Role: Coordinator, October 17, 2015, Technical University of Crete, University Campus (5000 visitors)

2014-Science and Technology Fair for Primary School Students, Role: Coordinator, October 18, 2014, Technical University of Crete, University Campus (4000 visitors)

2014-Establishment and coordination of Fresher’s Day at TUC (Welcome day)

2015-Establishment and coordination of Open Day at TUC

2013-Establishment and coordination of Science and Technology Fair for Primary School Students, December 9, 2013, Technical University of Crete, University Campus (2000 visitors)

2012- Establishment and coordination of Science and Technology Fair for Primary School Students, December 8, 2012, 8th Primary School Chania, Greece (800 visitors)

LANGUAGE SKILLS

Fluency in written and spoken English, French and Greek.

PERSONAL DETAILS

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