

PERSONAL INFORMATION

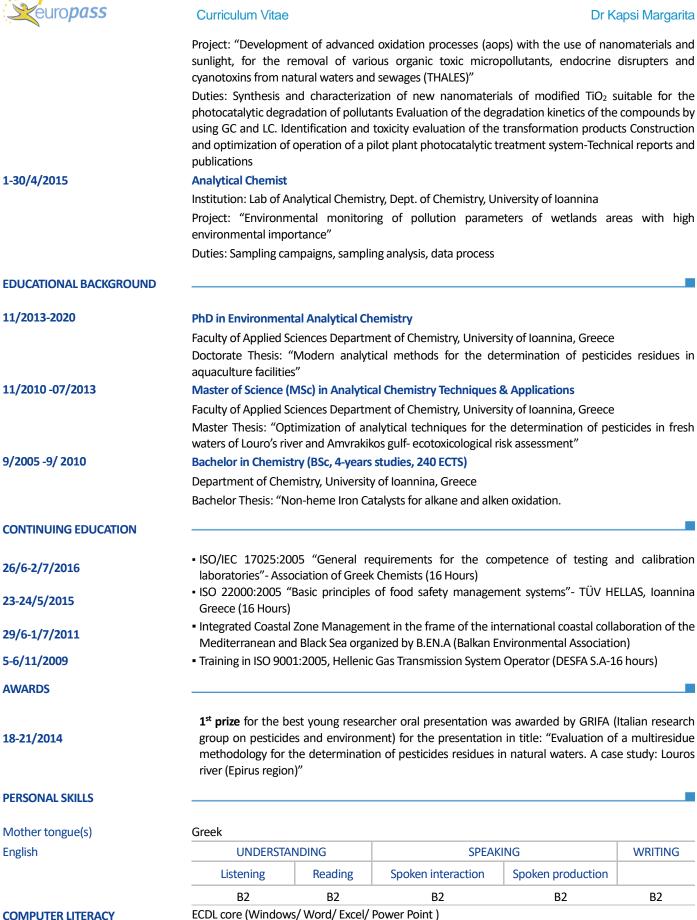
Curriculum Vitae

Dr Margarita Kapsi

Hellenic Centre for Marine Research (HCMR), Institute of Oceanography, Gournes - Pediados, Heraklion, Crete, Greece P.C.70014 +302810337706 <u>m.kapsi@hcmr.gr</u> ORCID: https://orcid.org/0000-0002-0043-5448 Sex: Female | Date of birth: 23/04/1986 | Nationality: Hellenic **RESEARCH EXPERIENCE** Chemist 2/2021-Current Institution: Institute of Oceanography, H.C.M.R. Project: EU Water Framework Directive Duties: organization and participation in field sampling campaigns, participation in Oceanographic cruises at the Aegean and Ionian Sea (with the R/V AEGAEO, R/V FILIA), data analysis and reporting, chemical processes in the water column of marine environments 4/2019-9/2019 **Analytical Chemist** Institution: Lab of Industrial Chemistry, Dept. of Chemistry, University of Ioannina Project: "Determination of the removal efficiencies before and after the establishment of the photocatalytic treatment plants and risk assessment for the concentration levels detected on the aquatic food chain. (PHAREM)" Duties: Sampling campaign, method verification and validation- Technical reports and publication 7/2019-10/2019 **Analytical Chemist** Institution: Lab of Industrial Chemistry, Dept. of Chemistry, University of Ioannina Project: "Quality monitoring of environmental pollution in aquaculture facilities with a system prototype" (Enviaquaman) Duties: Method development, sampling campaigns, analysis of samples, data process 5/2015-1/2017 **Analytical Chemist** Institution: Lab of Analytical Chemistry, Dept. of Chemistry, University of Ioannina Project: "Real time monitoring of sea contaminants by an autonomous lab-on-a-chip biosensors" (Sea-on-a-chip, FP7-OCEAN-2013) Duties: Verification and validation of analytical methods for the determination of biocides in sea water, urchins, mussels and sediment-Technical reports and publications 3/2013-11/2015 Analytical Chemist Institution: Lab of Analytical Chemistry, Dept. of Chemistry & University of Ioannina Project: "Wireless water quality monitoring of Arachthos and Vjose rivers (WWQM AVR)" Duties: Sampling campaign, method development for the determination of pesticides, monitoring of physicochemical parameters - Technical reports and publication in conferences, report on evaluation and verification of the first system prototype 5/2012-4/2014 **Analytical Chemist** Institution: Lab of Analytical Chemistry, Dept. of Chemistry, University of Ioannina Project: "Development and application of an integrated monitoring methodology for the determination of priority pollutants in the aquatic bodies of Amvrakikos Gulf" (NSRF 2007-2013) Duties: Method development and validation for environmental monitoring of pesticides in surface waters **Analytical Chemist** 2/2014-4/2015

Margarita Kapsi

Institution: Lab of Analytical Chemistry, Dept. of Chemistry, University of Ioannina



MEMBERSHIPS-COMMUNITIES 02/2021- today

AQUAGAPS network, European Marine Aquaculture Society



Curriculum Vitae

Dr Margarita Kapsi

12/2010-today

Association of Greek Chemists

Publications	in	peer-reviewed

- scientific journals
 - Christina I. Kosma, Margarita G. Kapsi, Panagiotis-Spyridon Konstas, Epameinondas P. Trantopoulos, Vasiliki I. Boti, Ioannis K. Konstantinou and Triantafyllos A. Albanis "Assessment of multiclass pharmaceutical active compounds (PhACs) in hospital WWTP influent and effluent samples by UHPLC-Orbitrap MS: Temporal variation, removals, and environmental risk assessment" Vol 191, pp 110152 (2020)
 - 2. Margarita Kapsi, Charoula Tsoutsi and Triantafyllos Albanis "Simple analytical methodology based on solid phase extraction for monitoring pesticide residues in natural waters" MethodsX, Vol7, pp 101011 (2020)
 - 3. Jorge A. Donadelli, Bruno Caram, Maria Kalaboka, Margarita Kapsi, Vasilios A. Sakkas, Luciano Carlos and Fernando S. García Einschlag "Mechanisms of 4-phenylazophenol elimination in micro- and nano-ZVI assisted-Fenton systems" *Journal of Environmental Chemical Engineering*, *Vol 8(1)*, pp. 103624 (2020)
 - 4. Margarita Kapsi, Charoula Tsoutsi, Anastasia Paschalidou and Triantafyllos Albanis, 2019. "Environmental monitoring and risk assessment of pesticide residues in surface waters of the Louros River (N.W. Greece)", Science of The Total Environment, Vol. 650, Part 2, pp. 2188-2198, (2019)
 - Juliana Gadelha; A. Cristina Rocha; Carolina Camacho; Ethel Eljarrat; Andrea Peris; Yann Aminote; james readman; Vasiliki Boti; Christina Nannou; Margarita Kapsi; Triantafyllos Albanis; Filipa Rocha; Ana Machado; Adriano Bordalo; Luisa Valente; Leonor Nunes; Antonio Marques; Marisa Almeida, "Persistent and emerging pollutants assessment on aquaculture oysters (Crassostrea gigas) from NW Portuguese coast (RIA DE AVEIRO)" Science of The Total Environment, Vol 666, Part 2, pp. 731-742, (2019)

Publications in International and European Conferences

- 1. Kapsi, V.Sakkas and T.Albanis, "Development and application of methods for the determination of pesticide residues in natural waters and sediments", 7th International Conference on Industrial and Hazardous Waste Management, July 27–30, 2021, Crete island, Greece
- M.Kapsi, V.Sakkas and T.Albanis, "Validation and application of method for the determination of pesticide residues in natural waters and sediments, coupled to GC-MS determination", 11th International Conference on Instrumental Methods of Analysis, September 22-25 2019, Ioannina
- 3. Margarita Kapsi, Panagiotis Konstas, Epameinondas Trantopoulos, Christina Kosma, Athanasios Karkabounas, Vasiliki Boti, Ioannis Konstantinou, Triantafyllos Albanis, 22-25/9/2019, "Pharmaceutical residues in hospital wastewaters using Liquid Chromatography coupled to High-Resolution Mass Spectrometry", 11th International Conference on Instrumental Methods of Analysis, September 22-25 2019, Ioannina
- M.Kapsi, V.Sakkas and T.Albanis, 22-25/9/2019, "Magnetic solid-phase extraction of pesticides in natural waters using Fe₃O₄@SiO₂@C18 nanoparticles as adsorbent coupled to GC-MS determination", 11th International Conference on Instrumental Methods of Analysis, September 22-25 2019, Ioannina
- M.Kapsi, V.Sakkas and T.Albanis, "Synthesis and characterization of Fe₃O₄@SiO₂@C18 nanoparticles for the determination of pesticides in environmental water samples using GC-MS determination", 16th International Conference on Environmental Science and Technology, September 4-7 2019, Rhodes island
- 6. M.Kapsi, V.Sakkas and T.Albanis, "Development and application of methods for the determination of pesticide residues in natural waters and sediments, coupled to GC-MS", 16th International Conference on Environmental Science and Technology, September 4-7 2019, Rhodes island
- M.Kapsi, V.Sakkas and T.Albanis, "Validation and application of a SPE and of a QuEChERS method for the determination of pesticides in natural waters and sediments, combined with GC-MS", 10th European Conference on Pesticides and Related Organic Micropollutants in the Environment, September 12-14 2018, Bologna- Italy
- M.Kapsi, Ch.Tsoutsi and T. Albanis, "Determination of multiclass pesticides in water samples with the aid of Solid Phase Extraction (SPE) followed by GC-MS and LC-MS. A case study: Louros River (N.W. Greece)", *Final open technical meeting & Workshop, Sea-on-a-chip- project*, May 16-17 2017, Olhão, Portugal
- 9. **M.Kapsi**, V.Sakkas and T.Albanis, "Development and application of methods for the determination of pesticide residues in natural waters and sediments", 10th International Conference on Instrumental Methods of Analysis, September 17-21 **2017**, Heraklion- Crete island
- 10. M.Kapsi, V.Sakkas and T.Albanis, "Synthesis of Magnetic Ionic Liquid for the determination of pesticides in aqueous samples", 10th International Conference on Instrumental Methods of Analysis, September 17-21 2017, Heraklion-Crete island



- 11. **M.Kapsi**, V.Sakkas and T.Albanis, "Development of a method for the simultaneous determination of pesticides by GC-MS and LC-MS: Optimization of the Solid Phase Extraction procedure using an experimental design approach", 19th International Symposium on Advances in Extraction Technologies, June 27-30 **2017**, Santiago de Compostela-Spain
- 12. Margarita Kapsi, Christina Nannou, Vasiliki Boti, Triantafyllos Albanis, "Screening of pesticides used in marine aquacultures with the aid of LC-High Resolution Orbitrap MS", 9th European Conference on Pesticides and Related Organic Micropollutants in the Environment, October 4-7 2016, Santiago de Compostela-Spain
- 13. V.Boti, Ch.Nannou, **M.Kapsi**, T.Albanis, "Determination of pesticides used in marine aquaculture by LC-High Resolution Orbitrap MS", 2nd Progress Workshop, Sea-on-a-chip-project, April 13-15 **2016**, Ferrara, Italy
- 14. V.I.Boti, **M.G.Kapsi**, Ch.I.Nannou, J.W.Readman, T.A.Albanis, "Screening of the antifouling biocide irgarol in marine aquaculture of Sagiada (N.W. Greece) using LC-Hybrid LTQ Orbitrap MS", 1st Progress Workshop, Sea-on-a-chip-project, April 27-29-**2015**, Sivota
- 15. T. Albanis, **M. Kapsi** and Ch. Tsoutsi, "Assessment of the risk posed by multiclass pesticides residues to the ecosystem of Louros River and Amvrakikos Gulf (N.W. Greece)", 1st Progress Workshop, Sea-on-a-chip-project, Aprli 27-29-2015, Sivota
- M.Kapsi, V.Sakkas and T.Albanis, "Determination of multiclass pesticides in water samples combining Solid Phase Extraction (SPE) coupled to GC-MS and LC-MS. A case study: Louros River (N.W. Greece)", 9th International Conference on Instrumental Methods of Analysis, September 20-24 2015, Kalamata
- 17. M.Kapsi, Ch.Tsoutsi and T.Albanis, "Risk Assessment of pesticides in surface water of Louros River (N.W Greece) after off-line Solid Phase Extraction Coupled GC-MS and LC-MS", 14th International Conference on Environmental Science and Technology, September 3-7 2015, Rhodes island
- 18. **M.Kapsi**, Ch.Tsoutsi and T.Albanis, "Monitoring and risk assessment of pesticides in Louros River (N.W Greece)", 5th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015) and SECOTOX, June 14-18 **2015**, Myconos island
- Kapsi M., Tsoutsi Ch., Albanis T, "Validation of an analytical strategy based on SPE/LC–MS and GC-MS for the determination of different classes of pesticides residues in natural waters: Application and characterization of ecosystem exposure in Louros River (N.W. Greece)", 9th Aegean Analytical Chemistry Day, 29 September-3 October 2014, Chios island
- Kapsi M., Tsoutsi Ch., Albanis T., "Evaluation of a multiresidue methodology for the determination of pesticides residues in natural waters. A case study: Louros River (Epirus Region)", 8th European Conference on Pesticides and Related Organic Micropollutants in the Environment, September 18-21 2014, Ioannina
- Ourania D. Christopoulou, Margarita G. Kapsi, Maria-Evangelia S. Synaridou, Eliona C. Zota, Fotakis V. Lezos, Kleio N. Teloni, Vasilios A. Sakkas, Triantafyllos A. Albanis, "Comparison of three microextraction techniques for the rapid and sensitive determination of fragrance allergens in water samples", 8th European Conference on Pesticides and Related Organic Micropollutants in the Environment, September 18-21 2014, Ioannina
- 22. **M.Kapsi**, Ch.Tsoutsi and T.Albanis, "Development of a multiresidue methodology for the simultaneous determination of pesticides in natural waters, by GC-MS and LC-MS: Optimization of the Solid Phase Extraction procedure using an experimental design approach.", 16th International Conference on Environmental Science and Technology, May 25-28 **2014** Chania- Crete island
- M.Kapsi, Ch.Tsoutsi and T.Albanis, "Development of a method for the simultaneous determination of pesticides by GC-MS and LC-MS: Optimization of the Solid Phase Extraction procedure using an experimental design approach", 4th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2013) and SECOTOX, June 24-28 2013, Myconos island
- 24. M.Kapsi, Ch.Tsoutsi and T.Albanis, "Validation and application of a SPE method for the determination of priority pesticides in water samples, combined with GC-MS and LC-MS. A case study: Louros River (Epirus region)", 8th International Conference on Instrumental Methods of Analysis Modern Trends and Applications IMA, September 15-19 2013, Thessaloniki
- 25. **M.Kapsi**, Ch.Tsoutsi and T.Albanis, "Application of solid-phase extraction in the monitoring of priority pesticides in the Louros River (N.W Greece)", 13th International Conference on Environmental Science and Technology-CEST, September 5-7, **2013**, Athens
- Kapsi M., Tsoutsi Ch., Albanis T., "Optimization of solid phase extraction of multiclass pesticides in natural waters by experimental design methodology", 7th European Conference on Pesticides and Related Organic Micropollutants in the Environment, October 7-10 2012, Porto-Portugal

Publications in National Conference

- 1. Kapsi M., Tsoutsi Ch., Albanis T, "Pesticides concentration in Louros River (Epirus Region): Ecotoxicological risk assessment", 5th Conference of Dept. of Chemistry (UOI), September 29-30 2017, Ioannina
- 2. **Kapsi M**., Tsoutsi Ch., Albanis T., "Analytical method development and application for the determination of pesticides in natural waters and sediments", *22th Panhellenic Conference in Chemistry*, December 2-4, **2016**, Thessaloniki
- 3. Kapsi M., Tsoutsi Ch., Albanis T, "Concentration levels of pesticides in Louros River (Epirus Region): Ecotoxicological risk assessment", 5th Macedonian Environmental Conference, March 14-16 **2014**, Thessaloniki