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Education

B.Sc. in Chemistry (2013-2017), National and Kapodistrian University of Athens, Grade: 7.52/10

M.Sc. in Chemical Analysis & Quality Control (2017-2019), National and Kapodistrian University of Athens, Grade 9.43/10

Ph.D. in Analytical Chemistry (2019-present), Laboratory of Analytical Chemistry, National and Kapodistrian University of Athens

Research Topics

Undergraduate Thesis: “Determination of metals in drinking water by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS)”, Chemical Laboratory, Center for Biological Research of Military, Penteli Greece (2017).

Master Thesis: “Method development for the determination of emerging contaminants in biota by liquid chromatography coupled with high resolution mass spectrometry.”, Laboratory of Analytical Chemistry, Chemistry Department, National and Kapodistrian University of Athens, Greece (2018-2019).

Ph.D. Thesis: “Development of cutting-edge methodologies for the systematic monitoring of emerging contaminants in biota samples using complementary High Resolution Mass Spectrometry techniques.”, Laboratory of Analytical Chemistry, Chemistry Department, National and Kapodistrian University of Athens, Greece (2019-present)

Research Interests

General research interests:

- Method Development
- Reversed Phase Liquid Chromatography (RP-LC)
- Gas Chromatography (GC)
- High Resolution Mass Spectrometry (HRMS)
- Trapped Ion Mobility Spectrometry (TIMS)
- Application of HRMS-based untargeted workflows for the identification of new compounds
- Per- and Polyfluoroalkyl Substances (PFAS)
- Risk assessment
- Sample preparation techniques (Accelerated Solvent Extraction, Solid Phase Extraction)

- Environmental Chemistry (monitoring of priority and emerging pollutants in environmental samples)
- Bioaccumulation of priority and emerging pollutants through the food chain

Projects:

- 2023-present: **TerraChem** project “From soils to apex species: chemical pathways, effects and impacts on terrestrial biodiversity and ecosystem services and applications for better chemicals management” (European Union).
- 2023- present: **UPWATER** project “Understanding groundwater Pollution to protect and enhance WATERquality” (European Union).
- 2023- present: **AccelWater** project “Accelerating Water Circularity in Food and Beverage Industrial Areas around Europe” (European Union).
- 2023- present: **NEXUS-MONARC** project “Capacity building nexus for monitoring water quality in multi-stressor areas: Pilot study at the Hellenic volcano ARC” (European Union).
- 2023- present: Monitoring of organic micropollutants in **Dnipro river basin**, collaboration with Environmental Institute s.r.o.
- 2023- present: Comprehensive monitoring of organic micropollutants in **Hellenic marine ecosystem**, collaboration with Hellenic Center for Marine Research (**HCRM**).
 - *Comprehensive monitoring of organic micropollutants following “Daniel” and “Elias” storm events at **Pagasitikos Gulf**, Eastern Mediterranean Sea, Greece.*
- 2023: **T4H-GR** and **T4H-CY** projects “On-Site Hospital Wastewater Management Aimed at Improving the Efficiency of Wastewater Treatment Plants and the Utilization of effluents” (European Union).
- 2021-2022: **HELCOM Pre-EMPT** project “A pre-emptive study of the inputs of hazardous substances to the **Baltic Sea**” (funding: NEFCO (Nordic Environment Finance Corporation) under the Baltic Sea Action Plan Fund, <https://portal.helcom.fi/default.aspx>), collaboration with Baltic Marine Environment Protection Commission (Helsinki Commission - HELCOM).
- 2020-today: **CONnect** project “Wide-scope target and suspect screening of emerging contaminants and their transformation products in **marine biota samples from the North-East Atlantic**”, collaboration with **OSPAR** Commission.
- 2020-2022: **UBA-HELCOM** project “Screening study on hazardous substances in marine mammals of the **Baltic Sea**”, collaboration with German Environment Agency – Umweltbundesamt (**UBA**) and Baltic Marine Environment Protection Commission (Helsinki Commission - **HELCOM**).
- 2020-2021: **DSWAP** project “Decision support-based approach for sustainable water reuse application in agricultural production” (European Union).
- 2020-2022: **DIANYA** project “Integrated on-site management of hospital wastewater” (European Regional Development Fund of the EU and Greek national funds).
- 2020-2021: “**NORMAN Collaborative Trial Suspect and Non-target screening in biota**” (NORMAN network activities).
- 2019-2021: “Investigation of the occurrence of Priority pollutants and Chemicals of emerging concern in **polar regions**” (NORMAN network activities).
- 2018-2022: LIFE17 ENV/SK/000355 (**LIFE APEX**) “Systematic use of contaminant data from apex predators and their prey in chemicals management” (European Union).
- 2018-today: Participation in Joint Activities in collaboration with European institutes, such as: Leibniz Institute for Zoo and Wildlife Research (IZW), Environmental Institute s.r.o., Marine Institute (Foras na Mara), Landesanstalt für Umwelt, Messungen und

Naturschutz Baden-Württemberg (LUBW), Naturalis Biodiversity Center, Cardiff University – Otter Project Catalan Institute for Water Research Foundation (ICRA).

Publications in journals

- Tom Topaz, Noam Gridish, Tal Sade, Hadar Zedaka, Yair Suari, Antigoni Konomi, **Georgios Gkotsis**, Eleni Aleiferi, Maria-Christina Nika, Nikolaos S. Thomaidis, Benny Chefetz, “Exploring Per- and Polyfluoroalkyl Substances (PFAS) in Microestuaries: Occurrence, Distribution, and Risks”, *Environmental Science & Technology Letters*, **2024**, XX, XXX, (<https://doi.org/10.1021/acs.estlett.3c00882>). Impact Factor: 11.4
- Wiebke Dürig, Sofia Lindblad, Oksana Golovko, **Georgios Gkotsis**, Reza Aalizadeh, Maria-Christina Nika, Nikolaos Thomaidis, Nikiforos A. Alygizakis, Merle Plassmann, Peter Haglund, Qiuguo Fu, Juliane Hollender, Jade Chaker, Arthur David, Uwe Kunkel, André Macherius, Lidia Belova, Giulia Poma, Hugues Preud’Homme, Catherine Munsch, Yann Aminot, Carsten Jaeger, Jan Liseč, Martin Hanse, Katrin Vorkamp, Linyan Zhu, Francesca Cappelli, Claudio Roscioli, Sara Valsecchi, Renzo Bagnati, Belén González, Ailette Prieto, Olatz Zuloaga, Ruben Gil-Solsona, Pablo Gago-Ferrero, Sara Rodriguez-Mozaz, Hélène Budzinski, Marie-Helene Devier, George Dierkes, Lise Boulard, Griet Jacobs, Stefan Voorspoels, Heinz Rüdél and Lutz Ahrens, “What is in the fish? Collaborative trial in suspect and non-target screening of organic micropollutants using LC- and GC-HRMS”, *Environment International*, **2023**, 181, 108288, (<https://doi.org/10.1016/j.envint.2023.108288>), Impact Factor: 13.352.
- Elisa García-Gómez, **Georgios Gkotsis**, Maria-Christina Nika, Ida-Maja Hassellöv, Kent Salo, Anna Lunde Hermansson, Erik Ytreberg, Nikolaos S. Thomaidis, Meritxell Gros, Mira Petrovic, “Characterization of Scrubber Water Discharges from Ships Using Comprehensive Suspect Screening Strategies Based on GC-APCI-HRMS”, *Chemosphere*, **2023**, 343, 140296, (<https://doi.org/10.1016/j.chemosphere.2023.140296>), Impact Factor: 8.943
- Olga S. Arvaniti, **Georgios Gkotsis**, Maria-Christina Nika, Stelios Gyparakis, Thrassyvoulos Manios, Nikolaos S. Thomaidis, Michalis S. Fountoulakis, Athanasios S. Stasinakis, “Study on the Occurrence of Artificial Sweeteners, Parabens, and Other Emerging Contaminants in Hospital Wastewater Using LC-QToF-MS Target Screening Approach”, *Water*, **2023**, 15(5), 936, (<https://doi.org/10.3390/w15050936>), Impact Factor: 3.530
- Paola Movalli, Koos Biesmeijer, **Georgios Gkotsis**, Nikiforos Alygizakis, Maria-Christina Nika, Kostantinos Vasilatos, Marios Kostakis, Nikolaos S. Thomaidis, Peter Oswald, Martina Oswaldova, Jaroslav Slobodnik, Natalia Glowacka, Jos Hooijmeijer, Ruth Howison, Rene Dekker, Nico van den Brink, Theunis Piersma, “High resolution mass spectrometric suspect screening, wide-scope target analysis of emerging contaminants and determination of legacy pollutants in adult western black tailed godwit *Limosa limosa limosa* in The Netherlands – a pilot study”, *Chemosphere*, **2023**, 138145 (<https://doi.org/10.1016/j.chemosphere.2023.138145>). Impact Factor: 8.943
- Olga S Arvaniti, Evangelia S Arvaniti, Stelios Gyparakis, Ioannis Sabathianakis, Evangelos Karagiannis, Evangelos Pittas, **Georgios Gkotsis**, Nikolaos S Thomaidis, Thrassyvoulos Manios, Michalis S Fountoulakis, Athanasios S. Stasinakis, “Occurrence of pharmaceuticals in the wastewater of a Greek hospital: combining consumption data collection and LC-QTOF-MS analysis”, *Science of the Total Environment*, **2023**, 858 (3), 160153 (<https://doi.org/10.1016/j.scitotenv.2022.160153>). Impact Factor: 10.753
- **Georgios Gkotsis**, Maria-Christina Nika, Antonia I. Athanasopoulou, Konstantinos Vasilatos, Nikiforos Alygizakis, Martin Boschert, Raphaela Osterauer, Kai-Achim Höpker, Nikolaos S. Thomaidis, “Advanced throughput analytical strategies for the comprehensive HRMS screening of organic micropollutants in eggs of different bird species”, *Chemosphere*, **2023**, 312 (1), 137092 (<https://doi.org/10.1016/j.chemosphere.2022.137092>). Impact Factor: 8.943

- **Georgios Gkotsis**, Maria-Christina Nika, Varvara Nikolopoulou, Nikiforos Alygizakis, Erasmia Bizani, Reza Aalizadeh, Alexander Badry, Elizabeth Chadwick, Alessandra Cincinelli, Daniela Claßen, Sara Danielsson, René Dekker, Guy Duke, Wiebke Drost, Natalia Glowacka, Bernd Göckener, Hugh A. H. Jansman, Monika Juergens, Burkhard Knopf, Jan Koschorreck, Oliver Krone, Tania Martellini, Paola Movalli, Sara Persson, Elaine D. Potter, Simon Rohner, Anna Roos, Emily O' Rourke, Ursula Siebert, Gabriele Treu, Nico W. van den Brink, Lee A. Walker, Rosie Williams, Jaroslav Slobodnik, Nikolaos S. Thomaidis, "Assessment of contaminants of emerging concern in European apex predators and their prey by LC-QToF MS wide-scope target analysis", *Environment International*, **2022**, 170, 107623 (<https://doi.org/10.1016/j.envint.2022.107623>). Impact Factor: 13.352
- Alexander Badry, Heinz Rüdell, Bernd Göckener, Maria-Christina Nika, Nikiforos Alygizakis, **Georgios Gkotsis**, Nikolaos S. Thomaidis, Gabriele Treu, Rene W. R. J. Dekker, Paola Movalli, Lee A. Walker, Elaine D. Potter, Alessandra Cincinelli, Tania Martellini, Guy Duke, Jaroslav Slobodnik, Jan Koschorreck, "Making use of apex predator sample collections: an integrated workflow for quality assured sample processing, analysis and digital sample freezing of archived samples", *Chemosphere*, **2022**, 309 (1), 136603 (<https://doi.org/10.1016/j.chemosphere.2022.136603>). Impact Factor: 8.943
- Paola Movalli, Jan Koschorreck, Gabriele Treu, Jaroslav Slobodnik, Nikiforos Alygizakis, Andreas Androulakakis, Alexander Badry, Emanuel Baltag, Fausto Barbagli, Kevin Bauer, Koos Biesmeijer, Enrico Borgo, Alessandra Cincinelli, Daniela Claßen, Sara Danielsson, René WRJ Dekker, Rune Dietz, Marcel Eens, Silvia Espin†, Igor Eulaers, Sylke Frahnert, Tibor I Fuiz, Antonio J García-Fernández, Jérôme Fuchs, **Georgios Gkotsis**, Natalia Glowacka, Pilar Gómez-Ramírez, Marco Grotti, Peter A. Hosner, Ulf Johansson, Veerle LB Jaspers, Dimitris Koureas, Oliver Krone, Eero Kubin, Christine Lefevre, Madis Leivits, Sabrina LoBrutto, Ricardo Jorge Lopes, Rui Lourenço, Petros Lymberakis, Knut Madslie, Tania Martellini, Rafael Mateo, Maria-Christina Nika, Dan Osborn, Peter Oswald, Olivier Pauwels, M Glória Pereira, Francesco Pezzo, Pablo Sánchez-Virosta, Nermina Sarajlić, Richard F. Shore†, Francisco Soler, Christian Sonne, Nikolaos Thomaidis, Till Töpfer, Risto Väinölä, Nico van den Brink, Al Vrezec, Lee Walker, Stephan Weigl, Chris Wernham, Friederike Woog, Irene Zorrilla, Guy Duke, "The role of natural science collections in the biomonitoring of environmental contaminants in apex predators in support of the EU's zero pollution ambition", *Environmental Sciences Europe*, **2022**, 34, 88 (<https://doi.org/10.1186/s12302-022-00670-8>). Impact Factor: 5.481
- Alexander Badry, Jaroslav Slobodnik, Nikiforos Alygizakis, Dirk Bunke, Alessandra Cincinelli, Daniela Claßen, Rene W. R. J. Dekker, Guy Duke, Valeria Dulio, Bernd Göckener, **Georgios Gkotsis**, Georg Hanke, Morten Jartun, Paola Movalli, Maria-Christina Nika, Heinz Rüdell, Nikolaos S. Thomaidis, Jose V. Tarazona, Victoria Tornero, Gabriele Treu, Katrin Vorkamp, Lee A. Walker, Jan Koschorreck, "Towards harmonised sampling and processing of archived wildlife samples to increase the regulatory uptake of monitoring data in chemicals management", *Environmental Sciences Europe*, **2022**, 34, 81 (<https://doi.org/10.1186/s12302-022-00664-6>). Impact Factor: 5.481
- Gabriele Treu, Jaroslav Slobodnik, Nikiforos Alygizakis, Alexander Badry, Dirk Bunke, Alessandra Cincinelli, Daniela Claßen, Rene W. R. J. Dekker, Valeria Dulio, Guy Duke, Bernd Göckener, **Georgios Gkotsis**, Georg Hanke, Morten Jartun, Paola Movalli, Maria-Christina Nika, Heinz Rüdell, Jose V. Tarazona, Nikolaos S. Thomaidis, Victoria Tornero, Katrin Vorkamp, Lee A. Walker, Jan Koschorreck, "Using environmental monitoring data from apex predators for chemicals management: Towards better use of monitoring data from apex predators in support of prioritisation and risk assessment of chemicals in Europe", *Environmental Sciences Europe*, **2022**, 34, 82 (<https://doi.org/10.1186/s12302-022-00665-5>). Impact Factor: 5.481
- Alexander Badry, Gabriele Treu, **Georgios Gkotsis**, Maria-Christina Nika, Nikiforos Alygizakis, Nikolaos S. Thomaidis, Christian C. Voigt, Oliver Krone, "Ecological and individual variations of emerging contaminants in white-tailed sea eagles from Germany:

Implications for prioritisation and future risk management”, *Environment International*, **2022**, 158, 106934 (<https://doi.org/10.1016/j.envint.2021.106934>). Impact Factor: 9.621

- Andreas Androulakis, Nikiforos Alygizakis, **Georgios Gkotsis**, Maria-Christina Nika, Varvara Nikolopoulou, Erasmia Bizani, Alexander Badry, Elizabeth Chadwick, Alessandra Cincinelli, Daniela Claßen, Sara Danielsson, Rene W.R.J. Dekker, Guy Duke, Natalia Glowacka, Hugh A.H. Jansman, Burkhard Knopf, Oliver Krone, Tania Martellini, Paola Movalli, Sara Persson, Anna Roos, Emily O'Rourke, Heinz Rüdell, Ursula Siebert, Gabriele Treu, Nico W. van den Brink, Lee Anthony Walker, Jaroslav Slobodnik, Nikolaos S. Thomaidis, “Determination of 56 perfluoroalkyl acids and precursors in top predators and their prey from Northern Europe by LC-MS/MS”, *Chemosphere*, **2022**, 287(2), 131775 (<https://doi.org/10.1016/j.chemosphere.2021.131775>). Impact Factor: 7.086
- Maria Siopi, Olga Rivero-Menendez, **Georgios Gkotsis**, Anthi Panara, Nikolaos S. Thomaidis, Ana Alastruey-Izquierdo, Spyros Pournaras, Joseph Meletiadiis, “Nationwide surveillance of azole-resistant *Aspergillus fumigatus* environmental isolates in Greece: detection of pan-azole resistance associated with the TR46/Y121F/T289A *cyp51A* mutation”, *Journal of Antimicrobial Chemotherapy*, **2020**, 75(11), 3181–3188 (<https://doi.org/10.1093/jac/dkaa316>). Impact Factor: 5.217
- Paola Anna Movalli, Guy Duke, Gloria Ramello, Rene Dekker, Al Vrezec, Richard Shore, Antonio Garcia-Fernandez, Chris Wernham, Oliver Krone, Nikiforos Alygizakis, Alexander Badry, Fausto Barbagli, Koos Biesmeijer, Giovanni Boano, Alex Bond, Yael Choresch, Jan Bolding Christensen, Alessandra Cincinelli, Sara Danielsson, Andreia Dias, Rune Dietz, Gloria Dos Santos Pereira, Marcel Eens, Silvia Espin, Igor Eulaers, Sylke Frahnert, **Georgios Gkotsis**, Natalia Glowacka, Pilar Gomez-Ramirez, Marco Grotti, Michel Guiraud, Peter Hosner, Ulf Johansson, Veerle Jaspers, Pepijn Kamminga, Jan Koschorreck, Burkhard Knopf, Eero Kubin, Sabrina LoBrutto, Rui Lourenco, Tania Martellini, Emma Martinez-Lopez, Rafael Mateo, Maria-Christina Nika, Varvara Nikolopoulou, Dan Osborn, Olivier Pauwels, Marco Pavia, Christiane Quaisser, Heinz Ruedel, Pablo Sanchez-Virosta, Jaroslav Slobodnik, Christian Sonne, Nikolaos Thomaidis, Fuiz Tibor, Till Toepfer, Gabriele Treu, Risto Vainola, Jari Valkama, Steven Van der Mije, Didier Vangeluwe, Ben Warren, Friederike Woog “Progress on bringing together raptor collections in Europe for contaminant research and monitoring in relation to chemicals regulation”, *Environmental Science and Pollution Research*, Trend Editorial, **2019**, 26, 20132-20136 (<https://doi.org/10.1007/s11356-019-05340-6>). Impact Factor: 3.056

Publications in scientific book chapters

- Konstantinos Vasilatos, Maria-Christina Nika, **Georgios Gkotsis**, Nikolaos S. Thomaidis “Artificial sweeteners”, in “Analytical Methods for Environmental Contaminants of Emerging Concern”, Wiley, **2022**.

Published Technical reports

- Jaroslav Slobodnik, **Georgios Gkotsis**, Maria-Christina Nika, Konstantinos Vasilatos, Nikolaos S. Thomaidis, Nikiforos Alygizakis, Peter Oswald, Simon Rohner, Ursula Siebert. Farina Reif, Michael Dähne, Sara Persson, Anders Galatius, Iwona Pawliczka, Anita Künitzer, “Screening study on hazardous substances in marine mammals of the Baltic Sea”, German Environment Agency - Umweltbundesamt (UBA), 2022 (<https://www.umweltbundesamt.de/en/publikationen/screening-study-on-hazardous-substances-in-marine>).

Overall citations: 157

h-index: 7

Source: Google Scholar, 06/02/2024

Conferences Presentations

- G. Treu, O.Machate, R. Hornek-Gausterer, M. Uhl, P. Movalli, K. Bismejier, P. Fankte, S.A. Oginah, M. Vijver, L.A. Scherer, S.H. Barmentlo, N.S. Thomaidis, M.C. Nika, **G. Gkotsis**, M. Kosnik, G. Duke, N. Alygizakis, N. Glowacka, J. Slobodnik, “Horizon TerraChem: Moving towards a better protection of terrestrial biodiversity – identify, compare, redefine”, **NORMAN workshop on chemical pollutants and biodiversity**, 6/12/2023, Frankfurt, Germany.
- K. Diamanti, **G. Gkotsis**, E. Panagopoulou, M.-C. Nika, N. Alygizakis, K. Vasilatos, A. Konomi, N. Boinis, N. Maragou, P. Oswald, S. Rohner, U. Sieber, F. Reif⁴, M. Dähne, S. Persson, A. Galatius, I. Pawliczka, A. Künitzer, E. Vähä, A. Lastumäki, A. Grajewska, T. Zalewska, E. Usin, M. Laht, J. Mitrulevičiūtė, N. Suhareva, L. Brokmar, C. Engelke, H. Johansson, H. Ruedel, U. Pirntke, D. Frank-Kamenetsky, M. M. Larsen, J. Slobodnik, N. S. Thomaidis, “Unveiling the chemical fingerprints in organisms from different trophic levels using advanced HRMS workflows: The case study of the Baltic Sea”, **NORMAN workshop on chemical pollutants and biodiversity**, 6/12/2023, Frankfurt, Germany.
- **G. Gkotsis**, K. Diamanti, R. Aalizadeh, N. S. Thomaidis, “Towards next generation environmental (bio)monitoring: State-of-the-art HRMS-based methodologies for broad coverage in chemical universe”, **NORMAN workshop on chemical pollutants and biodiversity**, 6/12/2023, Frankfurt, Germany.
- **G. Gkotsis**, D. E. Damalas, A. Ingendoh, C. Baessmann, I. Nordhorn, B. Galvin, N. S. Thomaidis, “Towards a combined targeted and untargeted workflow for the systematic monitoring of thousands PFAS in biota, utilizing LC-VIP HESI(-)-TIMS-QTOF MS”, **ICNTS23**, 16-19/10/2023, Erding, Germany (Oral Presentation)
- **G. Gkotsis**, D. E. Damalas, C. Baessmann, B. Galvin, N. S. Thomaidis, “Unveiling the chemical universe of PFAS in biota using a combined targeted and untargeted workflow, utilizing LC – VIP HESI(-) – tims – QToF MS”, **IMSS2023**, 17-22/09/2023, Cagliari, Sardinia, Italy (Poster presentation)
- K. S. Diamanti, D. E. Damalas, **G. Gkotsis**, E. I. Panagopoulou, M.C. Nika, C. Baessmann, B. Galvin, N. S. Thomaidis, “Leveraging LC-TIMS-QTOFMS for addressing analytical challenges in chemical exposome studies”, **IMSS2023**, 17-22/09/2023, Cagliari, Sardinia, Italy (Poster and short oral presentation)
- D. Bouta, N. Alygizakis, **G. Gkotsis**, M.C. Nika, A. Orfanoti, E. Bizani, A. Badry, E. Chadwick, A. Cincinelli, D. Claßen, S. Danielsson, R. Dekker, G. Duke, N. Glowacka, H. Jansman, B. Knopf, J. Koschorreck, O. Krone, T. Martellini, P. Movalli, S. Persson, A. Roos, E. O'Rourke, U. Siebert, G. Treu, N. Van den Brink, L. Walker, J. Slobodnik, N.S. Thomaidis, “Targeted and untargeted trend analysis in historic samples of top predators and their preys”, **CEST2023**, 30/08-02/09/2023, Athens, Greece (Poster presentation)
- N. Kostopoulou, N. Alygizakis, **G. Gkotsis**, M.C. Nika, A. Orfanoti, E. Bizani, A. Badry, E. Chadwick, A. Cincinelli, D. Claßen, S. Danielsson, R. Dekker, G. Duke, N. Glowacka, H. Jansman, B. Knopf, J. Koschorreck, O. Krone, T. Martellini, P. Movalli, S. Persson, A. Roos, E. O'Rourke, U. Siebert, G. Treu, N. Van den Brink, L. Walker, J. Slobodnik, N.S. Thomaidis, “Predominant chemical mixtures in top predators and their prey in Europe”, **CEST2023**, 30/08-02/09/2023, Athens, Greece (Poster presentation)
- N. Boinis, K. S. Diamanti, E. I. Panagopoulou, **G. Gkotsis**, N. Maragou, M. C. Nika, K. Vasilatos, K. A. Höpker, H. Schäfer, M. Wiczorek, R. Osteraurer, N.S. Thomaidis, “Unveiling the occurrence of organic micropollutants in different species of terrestrial

mesocarnivores utilizing HRMS techniques”, **CEST2023**, 30/08-02/09/2023, Athens, Greece (Poster presentation)

Best Poster Award

- A. Konomi, **G. Gkotsis**, M.C. Nika, E. Chadwick, E. O'Rourke, C. Farrington, E. Potter, N.S. Thomaidis, “Investigating the occurrence of >2,400 organic micropollutants in different tissues of Eurasian otters leveraging LC- and GC-HRMS techniques”, **CEST2023**, 30/08-02/09/2023, Athens, Greece (Oral Presentation)
- **G. Gkotsis**, D.E. Damalas, M.C. Nika, B. Galvin, C. Baessmann, N. S. Thomaidis, “Unveiling the Chemical Universe of PFAS in Biota Using a Combined Targeted and Untargeted Workflow, Utilizing LC-VIP HESI(-)-TIMS-QToF MS”, **ICCE 2023**, 11-15/06/2023, Venice, Italy (Poster Presentation)
- K. S. Diamanti, R. Aalizadeh, D. E. Damalas, **G. Gkotsis**, B. Galvin, C. Baessmann, N.S. Thomaidis, “Wide-Scope Target Screening by LC-HRMS Combined with Fast Ion Mobility – the Answer to Environmental and Human Biomonitoring Challenges”, **ICCE 2023**, 11-15/06/2023, Venice, Italy (Oral Presentation)
- **G. Gkotsis**, D.E. Damalas, M.C. Nika, B. Galvin, C. Baessmann, N. S. Thomaidis, “Comprehensive 4D workflow for targeted and untargeted screening of PFAS in organisms from different trophic levels utilizing LC-VIP HESI(-)-TIMS-QToF MS”, **ASMS 2023**, 04-08/06/2023, Houston, TX, USA (Poster Presentation)
- K. S. Diamanti, R. Aalizadeh, D. E. Damalas, **G. Gkotsis**, B. Galvin, C. Baessmann, N.S. Thomaidis, “CCS-aware wide-scope target screening utilizing LC-TIMS-HRMS and a new heated ESI source–The answer to environmental and human biomonitoring challenges”, **ASMS 2023**, 04-08/06/2023, Houston, TX, USA (Poster Presentation)
- P. Movalli, A. Cincinelli, S. Ozaki, N. Alygizakis, A. Androulakakis, A. Badry, R. Dekker, G. Duke, **G. Gkotsis**, N. Glowacka, H. Jansman, J. Koschorreck, M.C. Nika, S. Santini, C. Sarti, J. Slobodnik, N. Thomaidis, G. Treu, N. van den Brink, L. Walker, “Time Trends in PCB and PBDE Congeners and in ΣPCBs and ΣPBDEs Residue Concentrations in the Common Buzzard Buteo buteo in the Netherlands 1994-2020 in Relation to Restrictions on Chemicals Use”, **SETAC Europe 33rd Annual Meeting 2023**, 30/04-04/05/2023, Dublin, Ireland. (Poster presentation)
- K.S. Diamanti, B. Galvin, D.E. Damalas, **G. Gkotsis**, E. Panagopoulou, M.C. Nika, N.S. Thomaidis, C. Baessmann C., “Development of a LC-ESI-TIMS-QTOFMS database to enhance the performance of wide-scope target screening in environmental (bio)monitoring studies”, **IMSC 2022**, 27/08-02/09/2022, Maastricht, the Netherlands (Oral presentation)
- K.S. Diamanti, D.E. Damalas, **G. Gkotsis**, E. Panagopoulou, M.C. Nika, C. Baessmann, B. Galvin, N.S. Thomaidis, “Enhanced performance of a 4D wide-scope target screening methodology in environmental (bio)monitoring, utilizing LC-ESI-TIMS-QTOF and developing a CCS-aware database”, **ASMS 2022**, 05-09/06/2022, Minneapolis, Minnesota. (Poster presentation)
- J. Slobodnik, N. Alygizakis, J. Arning, A. Badry, K. Bauer, L. Cirka, A. Cincinelli, D. Claßen, R. Dekker, G. Duke, W. Drost, N. Glowacka, G. Gkotsis, B. Knopf, T. Martellini, P. Movalli, M.C. Nika, P. Oswald, H. Ruedel, R. Shore, N.S. Thomaidis, L. Walker, G. Treu, J. Koschorreck, “LIFE APEX - Improving the systematic use of contaminant data from apex predators and their prey in chemicals’ management”, **SETAC Non Target 2022**, 22-26/05/2022, Durham, North Carolina. (Oral presentation)
- K.S. Diamanti, D.E. Damalas, **G. Gkotsis**, E. Panagopoulou, M.C. Nika, C. Baessmann, B. Galvin, N.S. Thomaidis, “Collision Cross Section (CCS) value as an additional

identification point for chemical characterization: Development of a LC-ESI-TIMS-QTOFMS database for environmental (bio)monitoring studies”, **SETAC Europe 32nd Annual Meeting 2022**, 15-19/05/2022, Copenhagen, Denmark. (Poster presentation)

- **G. Gkotsis**, M.C. Nika, N. Alygizakis, K. Vasilatos, A. Künitzer, L. Cervin, S. Persson, A. Roos, A. Galatius, P. Oswald, F. Reif, M. Daehne, L. Westphal, S. Rohner, U. Siebert, I. Pawliczk, J. Slobodnik, N.S. Thomaidis “Advanced throughput analytical strategies for the comprehensive HRMS screening of organic micropollutants in marine mammals from the Baltic Sea”, **SETAC Europe 32nd Annual Meeting 2022**, 15-19/05/2022, Copenhagen, Denmark. (Poster presentation)
- **G. Gkotsis**, A. Badry, G. Treu, M.C. Nika, N. Alygizakis, O. Krone, C. Baessmann, N.S. Thomaidis “Advanced HRMS techniques for the screening of organic micropollutants in white-tailed sea eagles through wide-scope target and suspect methodologies”, **ASMS 2021**, 31/10-04/11/2021, Philadelphia, America. (Poster presentation)
- A. Orfanioi, **G. Gkotsis**, M.C. Nika, N.S. Thomaidis “Development and validation of a novel analytical protocol for the simultaneous determination of organic micropollutants in biota specimens by GC-APCI-QToF MS”, **CEST 2021**, 01-04/09/2021, Athens, Greece. (oral presentation)
- A. Athanasopoulou, **G. Gkotsis**, K. Vasilatos, M.C. Nika, R. Osterauer, N.S. Thomaidis “Revealing the presence of >2,400 emerging contaminants in raptor egg specimens from Germany employing a novel analytical HRMS methodology”, **CEST 2021**, 01-04/09/2021, Athens, Greece. (Oral presentation)
- P. Movalli, T. Piersma, J. Hooijmeijer, A. Dekinga, R. Howison, K. Biesmeijer, R.W.R.J. Dekker, N. Alygizakis, **G. Gkotsis**, M. Kostakis, M.C. Nika, N.S. Thomaidis “High Resolution Mass Spectrometric non-target screening and wide-scope target analysis of emerging contaminants and target analysis of legacy contaminants in adult black-tailed godwit *Limosa limosa* in the Netherlands”, **CEST 2021**, 01-04/09/2021, Athens, Greece. (Poster - flash presentation)
- M.C. Nika, **G. Gkotsis**, K. Vasilatos, A. Gkogkou, A. Stasinakis, N.S. Thomaidis “Investigating the impact of landfill leachates in groundwater quality through the monitoring of multiclass emerging contaminants by LC-HRMS”, **CEST 2021**, 01-04/09/2021, Athens, Greece. (Poster presentation)
- K. Bauer, N. Alygizakis, A. Badry, A. Cincinelli, D. Classen, R. Dekker, W. Drost, G. Duke, **G. Gkotsis**, N. Glowacka, B. Knopf, J. Koschorreck, T. Martellini, P. Movalli, M.C. Nika, V. Nikolopoulou, H. Ruedel, N.S. Thomaidis, L. Walker, G. Treu, J. Slobodnik “Current challenges and future perspectives on the use of contaminant data from apex predators for chemicals hazard prioritization”, **CEST 2021**, 01-04/09/2021, Athens, Greece. (Poster presentation)
- I.C. Iakovides, V.G. Beretsou, A. Christou, **G. Gkotsis**, M.C. Nika, N.S. Thomaidis, D. Fatta-Kassinou “Investigating the accumulation of 89 pharmaceutical compounds in the water-soil-plant continuum and the leaching potential using lysimeters irrigated with wastewater from a CAS and MBR system, under real-field conditions”, **CEST 2021**, 01-04/09/2021, Athens, Greece. (Oral presentation)
- V.G. Beretsou, I.C. Iakovides, **G. Gkotsis**, M.C. Nika, A. Christou, N.S. Thomaidis, D. Fatta-Kassinou “Occurrence and potential accumulation of pharmaceuticals in agricultural soils treated with wastewater under real-world environmental conditions in Cyprus”, **CEST 2021**, 01-04/09/2021, Athens, Greece. (Poster presentation)
- **G. Gkotsis**, M.C. Nika, K. Vasilatos, A. Orfanioi, A. Athanasopoulou, N. Alygizakis, P. Oswald, J. Slobodnik, N.S. Thomaidis “Investigation of the presence of organic

micropollutants in biota specimens from the Antarctica ecosystem using state-of-the-art wide-scope target and suspect HRMS methodologies”, **CEST 2021**, 01-04/09/2021, Athens, Greece. (Poster presentation)

- P. Movalli, G. Cicero, G. Ramello, G. Sbokos, K. Vlachopoulos, R. Dekker, S. Espin, A. Garcia-Fernandez, P. Gomez-Ramirez, P. Hosner, D. Koureas, J.B. Kristensen, S. van der Mije, P. Sanchez-Virosta, O. Sharif, O. Krone, M. Leivits, R.F. Shore, A. Vrezec, L. Walker, C. Wernham, A. Lopez Antia, R. Lourenco, R. Mateo, A. Badry, T.I. Fuisz, M. Guiraud, U. Johansson, M. Pavia, O. Pauwels, G. Pereira, T. Töpfer, R. Väinölä, D. Vangeluwe, N. Alygizakis, A. Cincinelli, W. Drost, **G. Gkotsis**, N. Glowacka, J. Koschorreck, T. Martellini, M.C. Nika, V. Nikolopoulou, J. Slobodnik, N.S. Thomaidis, G. Treu, G. Duke “A Novel Role for Natural Science Collections in European Contaminant Monitoring”, **SETAC Europe 31st Annual Meeting 2021**, 03-06/05/2021, Web conference (Poster presentation)
- P. Movalli, N. Alygizakis, A. Badry, R. Buij, A. Cincinelli, R. Dekker, W. Drost, G. Duke, **G. Gkotsis**, N. Glowacka, H. Jansman, J. Koschorreck, T. Martellini, M.C. Nika, V. Nikolopoulou, M.G. Pereira, E.D. Potter, D. Sleep, R.F. Shore, J. Slobodnik, S. Thacker, N.S. Thomaidis, G. Treu, N.W. Van der Brink, S. Van der Mije, L. Walker “Use of Raptor Chemical Monitoring Data to Assess Effectiveness of EU Chemical Management Measures; the Impact of Pooling Liver Samples on Power to Detect Change in Contaminant Concentrations at Country Scale”, **SETAC Europe 31st Annual Meeting 2021**, 03-06/05/2021, Web conference (Poster presentation)
- I.C. Iakovides, V. G. Beretsou, A. Christou, **G. Gkotsis**, M.C. Nika, N. S. Thomaidis, D. Fatta-Kassinou “Assessing the presence of >2000 contaminants of emerging concern in the wastewater-soil-plant continuum under real-field conditions during irrigation with treated wastewater”, **SETAC Europe 31st Annual Meeting 2021**, 03-06/05/2021, Web conference (Oral presentation)
- **G. Gkotsis**, O. Krone, A. Badry, M.C. Nika, N. Alygizakis, G. Treu, N.S. Thomaidis, “Determination of chemicals of emerging concern in livers of white-tailed sea eagle from Germany using novel and complementary High Resolution Mass Spectrometry techniques”, **SETAC Europe 30th Annual Meeting 2020**, 03-07/05/2020, Web conference (Poster presentation)
- W. Drost, N. Alygizakis, A. Badry, A. Cincinelli, D. Claßen, R. Dekker, G. Duke, N. Glowacka, **G. Gkotsis**, B. Knopf, J. Koschorreck, T. Martellini, P. Movalli, M.C. Nika, H. Ruedel, R. Shore, N.S. Thomaidis, G. Treu, J. Slobodnik, “Improving the systematic use of contaminant data from apex predators and their prey in chemicals management”, **SETAC Europe 30th Annual Meeting 2020**, 03-07/05/2020, Web conference (Poster presentation)
- H. Ruedel, B. Knopf, N. Alygizakis, N. Glowacka, J. Slobodnik, **G. Gkotsis**, M.C. Nika, N.S. Thomaidis, A. Cincinelli, T. Martellini, G. Duke, R. Shore, A. Badry, W. Drost, J. Koschorreck, P. Movalli, R. Dekker, “Derivation of indicators for assessing the quality of biota samples and their suitability for environmental monitoring studies”, **SETAC Europe 30th Annual Meeting 2020**, 03-07/05/2020, Web conference (Poster presentation)
- P. Movalli, R. Dekker, P. van Geneijgen, S. van der Mije, **G. Gkotsis**, N. Alygizakis, M.C. Nika, N.S. Thomaidis, “Wide scope screening of emerging contaminants in peregrine falcon Falco peregrinus in The Netherlands”, **SETAC Europe 30th Annual Meeting 2020**, 03-07/05/2020, Web conference (Poster presentation)
- P. Movalli, G. Duke, G. Ramello, J. Sbokos, R. Dekker, A. Vrezec, R. Shore, A. Garcia-Fernández, C. Wernham, O. Krone, N. Alygizakis, A. Badry, F. Barbagli, K. Biesmeijer, G. Boano, A.L. Bond, Y. Choresch, J. Bolding Christensen, A. Cincinelli, S. Danielsson, A. Dias,

R. Dietz, M. Eens, S. Espín, I. Eulaers, S. Frahnert, T. Fuiz, **G. Gkotsis**, N. Glowacka, P. Gómez-Ramírez, M. Grotti, M. Guiraud, P. Hosner, U. Johansson, V. L.B. Jaspers, P. Kamminga, J. Koschorreck, B. Knopf, E. Kubin, S. LoBrutto, R. Lourenco, T. Martellini, E. Martínez-López, R. Mateo, M.C. Nika, V. Nikolopoulou, D. Osborn, O. Pauwels, M. Pavia, M. Glória Pereira, H. Rüdél, P. Sánchez-Virosta, J. Slobodnik, C. Sonne, N. Thomaidis, T. Töpfer, G. Treu, R. Väinölä, J. Valkama, S. Van der Mije, D. Vangeluwe, Ben H. Warren and F. Woog “Towards a European raptor specimen bank in support of contaminant research and monitoring for better chemicals management”, **11th Biennial European Bird Curator Meeting**, 22-26/09/2019, Tel Aviv, Israel. (Poster presentation)

- A. Androulakakis, N. Alygizakis, **G. Gkotsis**, V. Nikolopoulou, M.C. Nika, A. Cincinelli, R. Dekker, G. Duke, N. Glowacka, B. Knopf, J. Koschorreck, T. Martellini, P. Movalli, H. Ruedel, R. Shore, G. Treu, Jaroslav Slobodnik and N.S. Thomaidis “In-depth investigation of the occurrence of per- and polyfluorinated substances in top predators and their prey employing high-resolution mass spectrometry”, **IMA 2019**, 22-25/09/2019, Ioannina, Greece. (Poster presentation)
- A. Cincinelli, N. Alygizakis, R. Dekker, G. Duke, **G. Gkotsis**, N. Glowacka, B. Knopf, J. Koschorreck, T. Martellini, P. Movalli, M.C. Nika, H. Rüdél, S. Santini, R. Shore, N. Thomaidis, G. Treu, Jaroslav Slobodnik “Determination of legacy and emerging organic contaminants in top predators and their prey to improve chemical management”, **Euroanalysis XX 2019**, 01-05/09/2019, Istanbul, Turkey. (Oral presentation)
- **G. Gkotsis**, N. Alygizakis, A. Cincinelli, R. Dekker, G. Duke, N. Glowacka, B. Knopf, J. Koschorreck, T. Martellini, P. Movalli, M.C. Nika, V. Nikolopoulou, H. Ruedel, R. Shore, N.S. Thomaidis, G. Treu, J. Slobodnik “Determination of more than 2,400 emerging contaminants in apex predators and their prey from European Specimen Banks and Natural History Museums by novel and complementary High Resolution Mass Spectrometry Techniques”, **CEST 2019**, 03-07/09/2019, Rhodes, Greece. (Oral presentation)
- **G. Gkotsis**, N. Alygizakis, A. Cincinelli, R. Dekker, G. Duke, N. Glowacka, B. Knopf, J. Koschorreck, T. Martellini, P. Movalli, M.C. Nika, V. Nikolopoulou, H. Ruedel, R. Shore, N.S. Thomaidis, G. Treu, J. Slobodnik “Determination of emerging contaminants in apex predators and their prey from European Specimen Banks and Natural History Museums by High Resolution Mass Spectrometry Techniques”, **ICCE 2019**, 16-20/06/2019, Thessaloniki, Greece. (Poster presentation)
Best Poster Award
- N. Alygizakis, A. Cincinelli, R. Dekker, **G. Gkotsis**, G. Duke, N. Glowacka, B. Knopf, J. Koschorreck, T. Martellini, P. Movalli, M.C. Nika, V. Nikolopoulou, H. Rüdél, R. Shore, N. Thomaidis, G. Treu, J. Slobodnik “Determination of emerging substances in top predators and their prey using state-of-the-art chemical monitoring methods”, **ESB Conference 2019**, 05/06/2019, Stockholm, Sweden. (Oral presentation)
- M. Kostakis, A. Panara, **G. Gkotsis**, R. Aalizadeh, N.S. Thomaidis “Characterization of Chemical Profile of Pelargonium Sidoides Rhizome Using LC – QTOF/MS”, **AACD2018**, 25-29/09/2018, Chania, Greece. (Poster Presentation).
- A. Panara, M. Kostakis, **G. Gkotsis**, R. Aalizadeh, N.S. Thomaidis “Metabolic Fingerprint of Sideritis Scardica by a Novel LC – QTOF – MS Workflow”, **AACD2018**, 25-29/09/2018, Chania, Greece. (Poster presentation).

Awards and Honors

- **Nico Nibbering Travel Award** for the participation in the 6th International Mass Spectrometry School, Cagliari, Sardinia, Italy, 17-22/09/2023. The International Mass Spectrometry Foundation (IMSF) bestowed the travel award.
- **Best Poster Award**, poster presentation at the 18th International Conference on Environmental Science and Technology, CEST 2023, Athens, Greece. The poster was awarded from Chemical Engineering Journal.
- **Teaching grand for co-supervision in laboratory courses of undergraduate students**, National and Kapodistrian University of Athens.
 - academic years: 2020-2021, 2021-2022
- **Scholarship for Ph.D. studies**, A.G. Leventis Foundation.
 - academic years: 2020-2021, 2021-2022, 2022-2023
- **Best Poster Award**, poster presentation at the 17th International Conference on Chemistry and the Environment, ICCE 2019, Thessaloniki, Greece.

Professional Affiliations

- Member of **Hellenic Mass Spectrometry Society**, 2023-present.
- Member of the Working Group on **Marine Environment, NORMAN** Network, 2023-present.
- Member of the Cross-Working Group on **CECs in the terrestrial environment, NORMAN** Network, 2021-present.
- Member of the Cross-Working Group of **Non-target Screening, NORMAN** network, 2020-present.
- **Association of Greek Chemists**, 2017-present.

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