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Education

B.Sc. in Chemistry (2009-2013), University of Athens, Grade: 9.18/10.00

M.Sc. in Chemical Analysis-Quality Control (2013-2015), University of Athens, Grade 9.65/10.00

Ph.D. in Analytical Chemistry (2015-2019), University of Athens, Grade Excellent

Research Topic:

Ph.D. Thesis

Development of novel methodologies for the identification of unknown compounds in the environment employing non-target screening and high-resolution mass spectrometry

The objective of the thesis was to develop novel workflows employing state-of-the-art target, suspect and non-target screening tools and apply them on samples obtained from important European ecosystems such as the Danube River Basin (DRB) and the Black Sea (BS). More details are available at the following publications with DOI: [10.1016/j.trac.2019.04.008](https://doi.org/10.1016/j.trac.2019.04.008), [10.1021/acs.est.8b00365](https://doi.org/10.1021/acs.est.8b00365), [10.1016/j.envint.2019.03.060](https://doi.org/10.1016/j.envint.2019.03.060) and [10.1016/j.scitotenv.2019.04.445](https://doi.org/10.1016/j.scitotenv.2019.04.445).

Master Thesis

Implementation of chemometric techniques for the detection and non-target identification of analytes with distinguished time pattern in wastewater by LC-Q-TOF

The aim of this proposal was to implement a computational methodology that would facilitate the detection of contaminants with high fluctuation in intensity among wastewater samples sampled in time-series. The output of this methodology was a compound table with top-prioritized components. The identity of the top-ranked components was revealed by established non-target identification workflows. More details are available at the publication with DOI [10.1016/j.jhazmat.2018.08.073](https://doi.org/10.1016/j.jhazmat.2018.08.073).

Undergraduate Thesis

Determination of drugs of abuse and their metabolites in wastewater by LC-MS/MS (QQQ)

The objective of this study was to determine the concentration levels of illicit drugs and their metabolites in wastewater samples and the receiving environment. Concentration levels from wastewater samples were used to estimate the consumption of the drugs by the society (sewage epidemiology). More details are available at the publication with DOI [10.1021/acs.est.6b02417](https://doi.org/10.1021/acs.est.6b02417) and [10.1016/j.scitotenv.2015.09.145](https://doi.org/10.1016/j.scitotenv.2015.09.145).

Research Interests

- Automated data processing workflows for LC and GC-HRMS
- Advanced statistics and chemometrics techniques for prioritization of peaks in LC and GC-HRMS
- Identification of unknown compounds using not-target screening workflows
- Digital archivation of LC and GC-HRMS chromatograms
- Wide-scope retrospective screening of emerging contaminants in digitally-archived samples
- Strategies for the identification of river basin specific pollutants
- Application of bioassays to assess the biological responses of environmental samples
- Determination of antibiotics, their transformation products (TPs), antibiotic resistant bacteria and genes (ARB&ARGs)
- Application of prioritization decision trees to propose emerging contaminants to be regulated
- Investigation of the fate of emerging contaminants in the environment
- New emerging technologies to achieve the widest possible chemical coverage (e.g. use of Hydrophilic interaction chromatography (HILIC) in monitoring)
- Big data, construction of databases and interfaces

Publications in journals

1. Konstantina Diamanti, **Nikiforos A. Alygizakis**, Maria-Christina Nika, Martina Oswaldova, Peter Oswald, Nikolaos S. Thomaidis, Jaroslav Slobodnik “Assessment of the chemical pollution status of the Dniester River Basin by wide-scope target and suspect screening using mass spectrometric techniques”, 2020, *Analytical and Bioanalytical Chemistry*, 2020, in press, (doi: [10.1007/s00216-020-02648-y](https://doi.org/10.1007/s00216-020-02648-y))
2. **Nikiforos A. Alygizakis**, Jakub Urik, Vasiliki G. Beretsou, Ioannis Kampouris, Aikaterini Galani, Martina Oswaldova, Thomas Berendonk, Peter Oswald, Nikolaos Thomaidis, Jaroslav Slobodnik, Branislav Vrana, Despo Fatta-Kassinos “Evaluation of chemical and biological contaminants of emerging concern in treated wastewater intended for agricultural reuse” *Environment International*, 2020, 138, 105597, (doi: [10.1016/j.envint.2020.105597](https://doi.org/10.1016/j.envint.2020.105597))
3. Peter von der Ohe, Finnian Freeling, **Nikiforos Alygizakis**, Jaroslav Slobodnik, Peter Oswald, Reza Aalizadeh, Lubos Cirka, Nikolaos S. Thomaidis, Marco Scheurer “Explaining the rationale behind the risk assessment of surfactants by Freeling et al. (2019)” *Science of the total environment*, 2020, 721, 136828, (doi: [10.1016/j.scitotenv.2020.136828](https://doi.org/10.1016/j.scitotenv.2020.136828))
4. Pablo Gago-Ferrero, Anna Bletsou, Dimitrios E. Damalas, Reza Aalizadeh, **Nikiforos Alygizakis**, Heinz Singer, Juliane Hollender, Nikolaos S. Thomaidis “Wide-scope target screening of >2000 emerging contaminants in wastewater samples with UPLC-Q-ToF-HRMS/MS and smart evaluation of its performance through the validation of 195 selected representative analytes” *Journal of Hazardous Materials*, 2020, 387, 121712, (doi: [10.1016/j.jhazmat.2019.121712](https://doi.org/10.1016/j.jhazmat.2019.121712))
5. Iria González-Mariño, Jose Antonio Baz-Lomba, **Nikiforos A. Alygizakis**, Maria Jesús Andrés-Costa, Richard Bade, Leon P. Barron, Frederic Been, Jean-Daniel Berset, Lubertus Bijlsma, Igor Bodík, Asher Brenner, Andreas L. Brock, Daniel A. Burgard, Erika Castrignanò, Christophoros E. Christophoridis, Adrian Covaci, Pim de Voogt, Damien A. Devault, Mário J. Dias, Erik Emke, Despo Fatta-Kassinos, Ganna Fedorova, Konstantinos Fytianos, Cobus Gerber, Roman Grabic, Stefan Grüner, Teemu Gunnar, Evroula Hapeshi, Ester Heath, Björn Helm, Félix Hernández, Aino Kankaanpää, Sara Karolak, Barbara Kasprzyk-Hordern, Ivona Krizman-Matasic, Foon Yin Lai, Wojciech Lechowicz, Alvaro Lopes, Miren López de Alda, Ester López-García, Arndis S. C. Löve, Nicola Mastroianni, Gillian L. McEneff, Rosa Montes, Kelly Munro, Thomas Nefau, Herbert Oberacher, Jake W. O'Brien, Kristin Olafsdottir, Yolanda Picó, Benedek G. Plósz, Fabio Polese, Cristina Postigo, José Benito Quintana, Pedram Ramin, Malcolm J. Reid, Jack Rice, Rosario Rodil, Ivan Senta, Susana M. Simões, Maja M. Sremacki, Katarzyna Styszko, Senka Terzic, Nikolaos S. Thomaidis, Kevin V.

- Thomas, Ben J. Tscharke, Alexander L. N. van Nuijs, Viviane Yargeau, Ettore Zuccato, Sara Castiglioni, Christoph Ort “Spatio-temporal assessment of illicit drugs use at large scale: evidence from seven years of international wastewater monitoring” *Addiction*, 2020, 115, 1, 109-120, (doi: [10.1111/add.14767](https://doi.org/10.1111/add.14767))
6. Konstantina S. Diamanti, Reza Aalizadeh, **Nikiforos Alygizakis**, Marie Mardal, Nikolaos S. Thomaidis “Wide-scope target and suspect screening methodologies to investigate new psychoactive substances in influent wastewater from Athens” *Science of the Total Environment*, 2019, 685, 1058-1065, (doi: [10.1016/j.scitotenv.2019.06.173](https://doi.org/10.1016/j.scitotenv.2019.06.173))
 7. Paola Movalli, Guy Duke, Gloria Ramello, René Dekker, Al Vrezec, Richard F. Shore, Antonio Garcia-Fernández, Chris Wernham, Oliver Krone, **Nikiforos Alygizakis**, Alexander Badry, Fausto Barbagli, Koos Biesmeijer, Giovanni Boano, Alexander L. Bond, Yael Chosh, Jan Bolding Christensen, Alessandra Cincinelli, Sara Danielsson, Andreia Dias, Rune Dietz, Marcel Eens, Silvia Espín, Igor Eulaers, Sylke Frahnert, Tibor I. Fuiz, Georgios Gkotsis, Natalia Glowacka, Pilar Gómez-Ramírez, Marco Grotti, Michel Guiraud, Peter Hosner, Ulf Johansson, Veerle L.B. Jaspers, Pepijn Kamminga, Jan Koschorreck, Burkhard Knopf, Eero Kubin, Sabrina LoBrutto, Rui Lourenco, Tania Martellini, Emma Martínez-López, Rafael Mateo, Maria-Christina Nika, Varvara Nikolopoulou, Dan Osborn, Olivier Pauwels, Marco Pavia, M. Glória Pereira, Heinz Rüdell, Pablo Sanchez-Virosta, Jaroslav Slobodnik, Christian Sonne, Nikolaos Thomaidis, Till Töpfer, Gabriele Treu, Risto Väinölä, Jari Valkama, Steven van der Mije, Didier Vangeluwe, Ben H. 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*, 2019, 26, 20, 20132-20136, (doi: [10.1007/s11356-019-05340-6](https://doi.org/10.1007/s11356-019-05340-6))
 8. Finnian Freeling, **Nikiforos Alygizakis**, Peter von der Ohe, Jaroslav Slobodnik, Peter Oswald, Reza Aalizadeh, Lubos Cirka, Nikolaos S. Thomaidis, Marco Scheurer “Occurrence and potential environmental risk of surfactants and their transformation products discharged by wastewater treatment plants” *Science of the total environment*, 2019, 681, 475-487, (doi: [10.1016/j.scitotenv.2019.04.445](https://doi.org/10.1016/j.scitotenv.2019.04.445))
 9. **Nikiforos Alygizakis**, Peter Oswald, Nikolaos S. Thomaidis, Emma Schymanski, Reza Aalizadeh, Tobias Schulze, Martina Oswaldova, Jaroslav Slobodnik “NORMAN digital sample freezing platform: A European virtual platform to exchange liquid chromatography high resolution-mass spectrometry data and screen suspects in “digitally frozen” environmental samples” *TrAC Trends in Analytical Chemistry*, 2019, 115, 129-137, (doi: [10.1016/j.trac.2019.04.008](https://doi.org/10.1016/j.trac.2019.04.008))
 10. **Nikiforos Alygizakis**, Harrie Besselink, Gabriela K. Paulus, Peter Oswald, Luc M. Hornstra, Martina Oswaldova, Gertjan Medema, Nikolaos S. Thomaidis, Peter Behnisch, Jaroslav Slobodnik “Characterisation of wastewater effluents in the Danube river basin with targeted and non-target chemical screening techniques, in vitro bioassays and antibiotic resistant genes analysis” *Environment International*, 2019, 127, 420-429, (doi: [10.1016/j.envint.2019.03.060](https://doi.org/10.1016/j.envint.2019.03.060))
 11. Pawel Rostkowski, Peter Haglund, Reza Aalizadeh, **Nikiforos Alygizakis**, Nikolaos Thomaidis, Joaquin Beltran Arandes, Pernilla Bohlin Nizzetto, Petra Booi, Hélène Budzinski, Pamela Brunswick, Adrian Covaci, Christine Gallampos, Sylvia Grosse, Ralph Hindle, Ildiko Ipolyi, Karl Jobst, Sarit L. Kaserzon, Pim Leonards, Francois Lestremou, Thomas Letzel, Jürgen Magnér, Hidenori Matsukami, Christoph Moschet, Peter Oswald, Merle Plassmann, Jaroslav Slobodnik, Chun Yang “The strength in numbers: Comprehensive characterization of house dust using complementary mass spectrometric techniques” *Analytical and bioanalytical chemistry*, 2019, 411, 10, 1957-1977, (doi: [10.1007/S00216-019-01615-6](https://doi.org/10.1007/S00216-019-01615-6))
 12. Gabriela K. Paulus, Luc M. Hornstra, **Nikiforos Alygizakis**, Jaroslav Slobodnik, Nikolaos S. Thomaidis, Gertjan Medema “The impact of on-site hospital wastewater treatment on the downstream communal wastewater system in terms of antibiotics and antibiotic resistance genes” *Journal of hygiene and environmental health*, 2019, 222, 4, 635-644, (doi: [10.1016/j.ijheh.2019.01.004](https://doi.org/10.1016/j.ijheh.2019.01.004))
 13. **Nikiforos Alygizakis**, Pablo Gago-Ferrero, Juliane Hollender, Nikolaos S. Thomaidis “Untargeted time-pattern analysis of LC-HRMS data to detect spills and compounds with high fluctuation in influent wastewater” *Journal of Hazardous Materials*, 2019, 361, 5, 19-

- 29, (doi: [10.1016/j.jhazmat.2018.08.073](https://doi.org/10.1016/j.jhazmat.2018.08.073))
14. **Nikiforos Alygizakis**, Saer Samanipour, Juliane Hollender, Maria Ibáñez, Sarit Kaserzon, Varvara Kokkali, Jan van Leerdam, Jochen Mueller, Martijn Pijnappels, Malcolm J. Reid, Emma Schymanski, Jaroslav Slobodnik, Nikolaos Thomaidis, Kevin V. Thomas “Exploring the potential of a global emerging contaminant early warning network through the use of retrospective suspect screening with high-resolution mass spectrometry” *Environmental Science and Technology*, 2018, 52, 9, 5135-5144, (doi: [10.1021/acs.est.8b00365](https://doi.org/10.1021/acs.est.8b00365))
 15. Saer Samanipour, Joze Baz-Lomba, **Nikiforos Alygizakis**, Malcolm J. Reid, Nikolaos S. Thomaidis, Kevin V. Thomas “Two stage algorithm vs commonly used approaches for suspect screening of complex environmental samples analyzed via LC-HR-QTOF-MS: A comparative study” *Journal of Chromatography A*, 2017, 1501, 9, 68-78, (doi: [10.1016/j.chroma.2017.04.040](https://doi.org/10.1016/j.chroma.2017.04.040))
 16. Natasa Kalogiouri, **Nikiforos Alygizakis**, Reza Aalizadeh, Nikolaos S. Thomaidis “Olive oil authenticity studies by target and non-target LC-QTOF-MS combined with advanced chemometric techniques” *Analytical and Bioanalytical Chemistry*, 2016, 408, 28, 7955-7970, (doi: [10.1007/s00216-016-9891-3](https://doi.org/10.1007/s00216-016-9891-3))
 17. Nikolaos S. Thomaidis, Pablo Gago-Ferrero, Christoph Ort, Niki Maragou, **Nikiforos Alygizakis**, Violeta Borova, Maria Dasenaki “Reflection of socio-economic changes in wastewater: licit and illicit drug use patterns” *Environmental Science and Technology*, 2016, 50, 18, 10065-10072, (doi: [10.1021/acs.est.6b02417](https://doi.org/10.1021/acs.est.6b02417))
 18. **Nikiforos Alygizakis**, Pablo Gago-Ferrero, Violeta Borova, Alexandra Pavlidou, Ioannis Hatzianestis, Nikolaos S. Thomaidis “Occurrence and spatial distribution of 158 pharmaceuticals, drugs of abuse and related metabolites in offshore seawater” *Science of the Total Environment* 2016, 541, 15, 1097-1105, (doi: [10.1016/j.scitotenv.2015.09.145](https://doi.org/10.1016/j.scitotenv.2015.09.145))

Conferences Presentations

Oral Contributions

1. H. Rüdél, 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”, 30th Annual meeting SETAC Europe 03-07 May 2020, Dublin, Ireland.
2. **N. Alygizakis**, V. Dulio, J. Hollender, M. Krauss, T. Schulze, E. Schymanski, J. Slobodnik, N.S. Thomaidis “Non-target screening in environmental sciences: Activities of the NORMAN network”, SWEMSA 2019 21-23 October 2019, Erding, Germany.
3. **N. Alygizakis**, H. Besselink, G. Paulus, P. Oswald, L. Hornstra, M. Oswaldova, G. Medema, N.S. Thomaidis, P. Behnisch, J. Slobodnik “Characterisation of wastewater effluents in the Danube river basin with targeted and non-target chemical screening techniques, in vitro bioassays and antibiotic resistant genes analysis”, 12th BioDetectors Conference 26-27 September 2019, Vienna, Austria
4. V. Nikolopoulou, M.C. Nika, R. Aalizadeh, **N. Alygizakis**, N.S. Thomaidis, “Screening thousands of emerging contaminants in Asopos river basin by UPLC-QToF-MS”, CEST 2019, 4-7 September, 2019, Rhodes, Greece
5. **N. Alygizakis**, V. Dulio, P. von der Ohe, J. Slobodnik, N.S. Thomaidis, “NORMAN Non-target screening (NTS) prioritisation scheme for ranking thousands of contaminants of emerging concern in effluent wastewater collected from Europe”, CEST 2019, 4-7 September, 2019, Rhodes, Greece
6. P. Gago-Ferrero, **N. Alygizakis**, L. Velo-Gala, L. Sbardella, W. Gernjak, M. Petrovic, “Evaluation of innovative water treatments at molecular level based on high resolution mass spectrometry and advanced statistical tools”, CEST 2019, 4-7 September, 2019, Rhodes, Greece

7. **N. Alygizakis**, A. Cincinelli, R. Dekker, G. Gktoxis, G. Duke, N. Glowacka, B. Knopf, J. Koschorreck, T. Marellini, P. Movalli, M.C. Nika, V. Nikolopoulou, H. Rüdell, R. Shore, N.S. Thomaidis, G. True, J. Slobodnik “Determination of emerging substances in top predators and their prey using state-of-the-art chemical monitoring methods”, ESR2019 Conference 03-05 July 2019, Stockholm, Sweden.
8. **N. Alygizakis**, J. Urik, V. Beretsou, P. Oswald, B. Vrana, N. Thomaidis, D. Fatta-Kassinou, J. Slobodnik, “Application of passive sampling to evaluate the chemical pollution of treated wastewater intended for reuse”, XENOWAC II, 10-12 October, 2018, Limassol, Cyprus
9. **N. Alygizakis**, H. Basselink, G. Paulus, P. Oswald, M. Oswaldova, N. Thomaidis, L. Hornstra, P. Behnisch, J. Slobodnik: “Characterisation of wastewater effluents in the Danube river basin with target and non-target chemical screening techniques, in vitro bioassays and antibiotic resistant genes analysis”, XENOWAC II, 10-12 October, 2018, Limassol, Cyprus
10. D. Tadic, **N. Alygizakis**, M. Gramblicka, R. Mistrik, B. Pina, J. Bayona: “Identification and structural elucidation of antibiotic’s metabolites in lettuce”, XENOWAC II, 10-12 October, 2018, Limassol, Cyprus
11. **N. Alygizakis**, P. Oswald, P. von der Ohe, N.S. Thomaidis, J. Slobodnik: “A novel methodology for chemical characterization of European wastewater effluents by LC-HRMS”, AACD2018, 25-29 Sept, 2018, Chania (Crete), Greece
12. A. Behnisch, H. Besselink, **N. Alygizakis**, J. Slobodnik, A. Brouwer: “Effect-based screening of contaminants in effluents from wastewater treatment plants in the Danube river basin”, DioXin 2018, 26-31 August, 2018, Krakow, Poland
13. G.K. Paulus, **N. Alygizakis**, L. Hornstra, G. Medema, “The Effects of on-site Hospital WW Treatment on ARG Prevalence”, Halting Antimicrobial Resistance Dissemination in Aquatic Environments (HEARD2018), 16-19 September, 2018, Switzerland (Award for Best Oral Presentation)
14. E. Schymanski, R. Aalizadeh, **N. Alygizakis**, J. Hollender, M. Krauss, T. Schulze, J. Slobodnik, N.S. Thomaidis, A.J. Williams: “Non-target screening for holistic chemical monitoring and compound discovery: Open science, real-time and retrospective approaches”, SETAC Europe 28th Annual meeting, 13-17 May, 2018, Rome, Italy
15. M.C. Nika, G. Koulis, D. Damalas, K. Diamanti, A.A. Bletsou, A. Psoma, S. Attiti, R. Aalizadeh, **N. Alygizakis**, M. Dasenaki, K.M. Kasiotis, P. Oswald, J. Slobodnik, N.S. Thomaidis: “Determination of legacy pollutants and emerging contaminants in the marine environment of Black Sea”, 15th International Conference on Environmental Science and Technology, 31 August- 2 September, 2017, Rhodes Island, Greece
16. N. Kalogiouri, **N. Alygizakis**, R. Aalizadeh, N. Thomaidis, “Development of target, suspect and non-target High Resolution Mass Spectrometry screening strategies coupled with advanced chemometric tools for the evaluation of extra virgin olive oil’s sensory profile”, 10th Aegean Analytical Chemistry Days (AACD 2016), September 29- October 2, 2016, Çanakkale, Turkey.
17. P. Gago-Ferrero, **N. Alygizakis**, N. Thomaidis, “Prioritization and identification of substances formed during wastewater treatment and released into the aquatic environment”, NonTarget2016, 29 May-3 June, 2016, Ascona, Switzerland
18. **N. Alygizakis**, P. Gago-Ferrero, M. Loos, H. Singer, J. Hollender, N. Thomaidis, “Automatic detection of concentration trends of organic pollutants in wastewater using computational approaches and chemometric tools on data acquired by LC-HRMS”, 14th International Conference on Environmental Science and Technology, 3-5 September, 2015, Rhodes Island, Greece
19. V. Borova, **N. Alygizakis**, A. Pavlidou, I. Hatzianestis, M. Ioannou, N. Thomaidis, “Development of a LC-QTOFMS Method for the spatial determination of pharmaceuticals, controlled psychoactive and illicit drugs and their metabolites in Saronic Gulf”, 9th International Conference Aegean Analytical Chemistry Days (AACD2014), 29-3 October, 2014, Chios Island, Greece
20. V. Borova, M. Dasenaki, N. Maragou, **N. Alygizakis**, S. Stasinakis, N. Thomaidis, D. Lekkas,

“Trends in use of pharmaceuticals, controlled psychoactive and illicit drugs as revealed from the influents’ analysis of WWTP of Athens, Greece”, 13th International Conference on Environmental Science and Technology, 5 September- 7 September, 2013, Athens, Greece

Poster Presentations

1. P. Movalli, R. Dekker, P. 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”, 30th Annual meeting SETAC Europe 03-07 May 2020, Dublin, Ireland.
2. P. Movalli, G. Duke, G. Ramello, J. Sbokos, R. Dekker, A. Vrezec, R. Shore, G. Garcia-Fernandez, C. Wernham, O. Krone, **N. Alygizakis**, et al., “Towards a European raptor specimen bank in support of contaminant research and monitoring for better chemicals management”, 11th Biennial European Bird Curator Meeting, 24-26 September, 2019, Tel Aviv, Israel
3. 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. Rüdél, R. Shore, G. True, J. Slobodnik, 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 September 2019, Ioannina, Greece.
4. A. Cincinelli, **N. Alygizakis**, R. Dekker, G. Duke, G. Gkotsis, N. Glowacka, B. Knopf, J. Koschorreck, T. Martellini, P. Movalli, M.C. Christina, V. Nikolopoulou, M. Oswaldova, H. Rüdél, S. Santinini, R. Shore, N.S. Thomaidis, G. True, J. Slobodnik “Determination of legacy and emerging organic contaminants in top predators and their prey to improve chemical management”, Euroanalysis XX Conference 01-05/09/2019, Istanbul, Turkey.
5. J. Koschorreck, **N. Alygizakis**, A. Cincinelli, R. Dekker, G. Duke, N. Glowacka, B. Knopf, T. Martellini, P. Movalli, M.C. Nika, H. Ruedel, R. Shore, N.S. Thomaidis, G. True, J. Slobodnik, “LIFE APEX – Systematic use of contaminant data from apex predators and their prey in chemicals management”, SETAC Europe, 26-30 May, 2019, Helsinki, Finland
6. K. Galani, **N. Alygizakis**, V. Borova, N.S. Thomaidis, “A nine-year study on the temporal changes of licit and illicit drug use patterns as revealed from the chemical analysis of influent wastewater from the wastewater treatment plant of Athens”, CEST 2019, 4-7 September, 2019, Rhodes, Greece
7. 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. Rüdél, R. Shore, N.S. Thomaidis, G. True, 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”, ICCE2019, 16-20 June, 2019, Thessaloniki, Greece (Award for Best Poster Presentation)
8. M.C. Nika, D. Damalas, G. Koulis, **N. Alygizakis**, V. Nikolopoulou, S. Drakopoulou, A. Psoma, M. Kostakis, R. Aalizadeh, P. Oswald, J. Slobodnik, N.S. Thomaidis, “Extended monitoring of legacy pollutants and emerging contaminants in the marine environment of Black Sea”, AACD2018, 25-29 Sept, 2018, Chania (Crete), Greece (Award for Best Poster Presentation)
9. **N. Alygizakis**, M. Gramblicka, R. Mistrik, N.S. Thomaidis and J. Slobodnik, “Novel workflow for identification and determination of antibiotics and their transformation products in wastewater by liquid chromatography coupled to high resolution-mass spectrometry”, 15th International Conference on Environmental Science and Technology, 31 August- 2 September, 2017, Rhodes Island, Greece
10. **N. Alygizakis**, R. Aalizadeh, P. Gago-Ferrero, A. Bletsou, N. Thomaidis, “Prioritizing and identifying polar emerging contaminants in wastewater by HILIC-HRMS”, NonTarget2016, 29 May-3 June, 2016, Ascona, Switzerland
11. M. Kostakis, I. Pasiyas, R. Aalizadeh, **N. Alygizakis**, N. Thomaidis, “Targeted and untargeted

LC-MS metabolic profiling for proving the “freshly-frozen” claim in fish”, 7th International Symposium on Recent Advances in Food Analysis, 3-6 November, 2015, Prague, Czech Republic

12. **N. Alygizakis**, R. Aalizadeh, P. Gago-Ferrero, A. Bletsou, N. Thomaidis, “peakTrams: An automated computational approach for the simultaneous detection of features in Reverse Phase and HILIC HRMS screening”, 14th International Conference on Environmental Science and Technology, 3-5 September, 2015, Rhodes Island, Greece
13. **N. Alygizakis**, P. Gago-Ferrero, N. Thomaidis, “Trend analysis of influent wastewater using R-based scripts and non-target HRMS approaches”, Mediterranean Sea Region Countries Mass Spectrometry Workshop (MEDMSIII), 28 June-2 July, 2015, Athens, Greece
14. V. Borova, M. Chrisochou, M. Dasenaki, **N. Alygizakis**, G. Tsaganou, N. Thomaidis, “Determination of pharmaceuticals, controlled psychoactive and illicit drugs and their metabolites in sewage sludge of the WWTP of Athens”, 13th International Conference on Environmental Science and Technology, 5 September- 7 September, 2013, Athens, Greece

Scholarships and Awards

1. 2019-2021: Researcher at LIFE APEX Project (www.lifeapex.eu)
2. 2016-2019: Marie Skłodowska-Curie Fellowship at “**ANSWER**” Project (Grant agreement No 675530)
3. 2013-2015: Scholarship **John S. Latsis Foundation** for graduate studies
4. 2010-2013: Scholarship Antonios Papadakis, University of Athens (granted after exams)
5. **2011-2012&2012-2013**: Award from University of Athens (Heritage of Pantia Ralli) for high performance among students of department of Chemistry, University of Athens
6. 2011-2012: Award State Scholarships Foundation «**IKY**» for academic performance during 5th - 6th semesters of under graduate studies.

Professional Affiliations

Association of Greek Chemists (2013-present)
Hellenic Society of Mass Spectrometry (2015-present)
NORMAN network (2015-present)
SCORE COST Action ES1307 (2016-present)
SCORE COST Action NEREUS ES1403 (2016-present)

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