

Dr. Christina I. Nannou

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EXPERTISE

Environmental Analytical Chemistry and Food Chemistry

- ▶ Chromatographic and Mass Spectrometric Techniques with emphasis on HRMS
- ▶ Environmental Analysis
- ▶ Omics Tools (non-targeted analysis of organic compounds and transformation products)
- ▶ Advanced Oxidation Processes (AOPs) for water/wastewater remediation
- ▶ *In vitro* and *in silico* Toxicity Assessment
- ▶ Food Safety
- ▶ Chemometrics
- ▶ Quality Management Systems (ISO/IEC 17025:2017, ISO 9001, ISO 22000)

RESEARCH PROFILE – SUMMARY OF OUTPUT (22.10.2022)

Articles in journals (research/review)	: 38 (33/5)	Book chapters	: 2
IFave	: 8.014	h index	: 21
Conferences // Workshops	: 74/10		

Full list of publications and conference presentations available in Appendix.

EDUCATION

2019 - 2022 : **Postdoctoral Researcher**

“Targeted and non-targeted analysis of a wide range of micropollutants in environmental samples using high-resolution mass spectrometry (HRMS)” (IKY Grant)
Environmental Pollution Control Laboratory, Dept. of Chemistry, Aristotle University of Thessaloniki

2013 - 2018 : **PhD in Chemistry**

Doctoral Thesis: “Modern analytical methods for the determination of pesticide and pharmaceutical residues in natural waters and sediments” (10/10)
Laboratory of Analytical Chemistry, Department of Chemistry, University of Ioannina, Greece

2011 - 2013 : **MSc, “Analytical Techniques in Chemistry & Applications”**

Master Thesis: “Optimization of analytical techniques for the determination of pharmaceutical compounds and assessment of their impact on natural waters” (10/10)
Laboratory of Analytical Chemistry, Department of Chemistry, University of Ioannina, Greece

2006 - 2010 : **BSc (4-years degree)**, Department of Chemistry, University of Ioannina, Greece (7.32/10.00)

TEACHING AND ACADEMIC SUPERVISION

Undergraduate Courses

- ▶ Analytical Chemistry I (Theory, Lab)
- ▶ Analytical Chemistry II (Theory, Lab)
- ▶ Instrumental Analysis I (Theory, Lab)
- ▶ Bioanalytical Chemistry

Postgraduate Courses, Department of Chemistry, Democritus University of Thrace

- ▶ **Instrumental Analysis Techniques** (MSc Program in *Cosmetic Chemistry*)
- ▶ **Environmental Pollution Chemistry and Control – Applications of Chemistry in Occupational Health and Safety & Environmental Protection** (MSc Program in *Quality, Safety, Security, Health, and Environmental management*)
- ▶ **Quality Management, Chemometrics, and Metrology** (MSc Program in *Quality, Safety, Security, Health, and Environmental management*)
- ▶ **Instrumentation** (MPhil Program in *Nanotechnology*)

Supervision

Postgraduate: 2 (in progress) **Undergraduate:** 4 (in progress)- 6 (completed)

Summer/Winter Schools

Bio – inspired Molecules and Materials for Medicinal Applications and Sustainability, KEDIVIM DUTH

RESEARCH ACTIVITIES AND FUNDED PROJECTS

Scientific associate in research projects

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|---|--|
| 03/02/2025-now | : Advanced Materials for Sustainable Development: Green Energy Production and Storage, Energy Saving, and Pollution Control Applications– GREEN-MAT (TAEDR-0535821) |
| 30/10/2024-- now | : Interregional Tech for forEst SusTainability - IT4EST (101160993) |
| 22/05/2022-20/09/22 | : Comprehensive Discovery of Per- and Polyfluoroalkyl Substances (PFAS) by High-Resolution Mass Spectrometry: Analysis, Monitoring and Risks posed to human health and Marine Environment- PFAS4Risks (HFRI: 3616) |
| 28/03– 31/05/2022 | : Development of an analytical method for the determination of perfluorinated compounds by liquid chromatography coupled with mass spectrometry (EYATH S.A) |
| 16/03/2022 – 21/09/2021 | : Development of “Smart Tools” for the Quality Control, Authenticity Verification, and Geographical Origin Determination of Extra Virgin Olive Oil – Smart EVOO, (Innovation Investment Projects, Regional Operational Programme of Central Macedonia) |
| 26/03/2021 - 28/02/2022 | : Development of an integrated methodology for the removal of micropollutants from wastewater and leachates by combining adsorption, advanced oxidation processes, and membrane technology-PROMoTE «Research – Innovate"» B' Cycle) |
| 07/10/2020 - 31/12/2020
30/1/2019 - 15/1/2020 | : Sustainable Management of Cross-Border Water Resources, (INTERREG IPA CBC - Greece- Republic of North Macedonia) |
| 7/2/2018 - 5/3/2018,
1/9/2016 - 30/9/2016
12/5/2015 -2/01/2016 | : “Real time monitoring of sea contaminants by an autonomous lab-on-a-chip biosensor” (FP7-OCEAN) |
| 9/5/2014 - 14/10/2015 | : Development of an integrated methodology for the monitoring and assessment of organic micropollutants in the Arachthos and Louros Rivers and the Amvrakikos Gulf (NSRF) |

- 4/3/2014 - 30/11/2014** : Development of nanostructured titania with enhanced photocatalytic activity and its application in surface coatings for indoor air purification (NSRF)
- 05/2012 - 04/2014** : Development and implementation of an integrated methodology for the systematic monitoring of priority pollutants in the water bodies of the Amvrakikos Gulf (Archimedes III)

Grants

- 01/2020 - 01/2022** : **State Scholarship Foundation Grant for Postdoctoral Research**
“Targeted and non-targeted analysis of a wide range of micropollutants in environmental samples using high-resolution mass spectrometry (HRMS)”
 (Grant N° 17825)

Patent

α/α: 1009029, Hellenic Industrial Property Organization (2015), Synthesis of nanostructured titania with enhanced photocatalytic activity and its application in surface coatings for the purification of indoor and outdoor environments.

Professional Appointments and Technical Roles

- 01/2019 - 09/2022** : **Technical Manager, Accredited Environmental Pollution Control Laboratory**, Department of Chemistry, KEDEK – Aristotle University of Thessaloniki, accredited according to ISO/IEC 17025:2017 (ESYD Accreditation No. 1259).
- 06/2019 - 09/2022** : **Certified User in charge of the Orbitrap HRMS Unit**, Environmental Pollution Control Laboratory, Dept. of Chemistry, Aristotle University of Thessaloniki, CIRI-AUTH

MOBILITY & INTERNATIONAL EXPERIENCE

Mobility Scholarships for Academic Staff

- 2025** : Cluster of Excellence Living, Adaptive and Energy-autonomous Materials Systems (**livMatS**), University of Freiburg
- 14-18/04/2025** : European Reference Laboratory for Residues of Pesticides in Fruit and Vegetables, (**EURL-FV**), University of Almería, Almería, Ισπανία
- 30/6-5/7/2025** : Centre for Environmental and Marine Studies (**CESAM**) of the University of Aveiro, Portugal

Erasmus+ Mobility for Researchers

- 3/2018 - 6/2018** : European Reference Laboratory for Residues of Pesticides in Fruit and Vegetables, (**EURL-FV**), University of Almería, Almería, Ισπανία
- 3/2013 - 6/2013** : Catalan Institute for Water Research (**ICRA**), Girona, Ισπανία

EDITORIAL, REVIEWING, AND EVALUATION ACTIVITIES

- Reviewer:** >30 peer-reviewed journals (Elsevier, Springer, Royal Society of Chemistry, MDPI)
- Guest Editor at Special Issues:** ▶ [Water \(MDPI\)](#)
 ▶ [Sustainability \(MDPI\)](#)
- Research Proposal Evaluator** ▶ European Science Foundation
 ▶ The Czech Science Foundation (GACR)

LABORATORY & COMPUTATIONAL SKILLS

- ▶ Xcalibur™
- ▶ TraceFinder™
- ▶ Compound Discoverer™
- ▶ Chromeleon™
- ▶ QTegra™ (*Thermo Fisher Scientific*)
- ▶ LabSolutions™ (*Shimadzu*)
- ▶ Analyst® Software (*SCIEX*)

Statistical analysis

- ▶ Statistica Software (Statsoft)
- ▶ Statistical Package for the Social-Health Sciences (SPSS)
- ▶ MiniTab

Free licensed for -omics

- ▶ MZMine, *m/z* cloud, XC-MS

Design of multifunctional chemical compounds

- ▶ ChemDraw Package
- ▶ MarvinSketch

FOREIGN LANGUAGES

- ▶ **English:** Excellent (*Examination for the Certificate of Proficiency in English – Level C2*); Teaching proficiency and license holder (*EOPPEP certification*)
- ▶ **Spanish:** Excellent (*State Certificate of Foreign Language Proficiency*)
- ▶ **French:** Very good (*DEL F 2nd Degree – Level C1*)

ADMINISTRATIVE DUTIES – PARTICIPATION IN COMMITTEES AND WORKING GROUPS**Department of Chemistry Committees**

- | | | |
|------------------|---|--|
| 2025- | : | Coordinating Committee of the MSc Program “Quality, Safety, Security, Health, and Environmental management” |
| 2025-2026 | : | Deputy Academic Coordinator of the International Winter School “Towards a Green and Sustainable World”, in collaboration with Sorbonne University |
| 2025-2026 | : | Toxic Waste and Environmental Management Committee – Regular Member |
| 2025-2026 | : | Committee for the Update and Organization of the APELLA Registry – Deputy Member |
| 2025-2026 | : | Textbook Acceptance Committee – Regular Member, Chair |
| 2025: | : | Committee for the Acceptance of Instruments, Equipment, Materials, Minor Works and Service Provision for the Year 2025 – Regular Member |
| 2025-2026 | : | Evaluation Committee for the project “Acquisition of Academic Teaching Experience by Young PhD Holders at the Democritus University of Thrace” – Regular Member, Chair |
| 2024-2025 | : | |

Conferences’ organizing committee

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|------------------------|---|--|
| 01-02/07/2022 | : | 8 th Metrology Conference, Dept/ of Chemistry AUTH and HellasLab |
| 27-29/04/2015 | : | 1 st Progress Workshop & 1 st Case Study of the SEA-on-a-CHIP project, Sivota |
| 30/10-1/11/2014 | : | 4 th Panhellenic Conference of Green Chemistry and Sustainable development, Hellenic Green Chemistry Network and University of Ioannina |
| 18-21/9/2014 | : | 8 th European Conference on Pesticides & related organic micro-pollutants in the environment, Ioannina |
| 5-9/7/2010 | : | 10 th International Conference on Protection and restoration of the environment, Corfu |

Scientific Societies

- | | | |
|-------------------|---|------------------------------------|
| 1/2025-now | : | Hellenic Mass Spectrometry Society |
|-------------------|---|------------------------------------|

- 11/2018 - now** : NORMAN network (Network of reference laboratories, research centres and related organisations for monitoring of emerging environmental substances)
- 11/2014 - now** : Hellenic Green Chemistry Network
- 10/2014 – now** : European-Mediterranean Association of Environmental Education, Assessment and Protection
- 12/2010 - now** : Association of Greek Chemists

Other Activities

- 2020 - 2022:** : Waste Management Officer, NANOHYBRID Laboratory, CIRI – AUTH
- 07/2014 - 03/2015** : Career and Employment Structure (DASTA), University of Ioannina – Project-based Collaborator
- 6/2011 - 12/2011** : Summer School “Fedora”, University of Ioannina – Organizer

Publications in Peer-Reviewed International Scientific Journals

1. **Nannou C.***, Efthymiou C., Boti V*, Albanis T., Unveiling the pharmaceutical footprint in freshwater and seawater: HRMS method optimization, validation, and uncertainty estimation, *Microchemical Journal*, 2025, 210, 112933, [10.1016/j.microc.2025.112933](https://doi.org/10.1016/j.microc.2025.112933)
2. **Nannou C. ***, Maroulas, K.N., Tsamtzidou, C., Ladomenou, K., Kyzas, G.Z., Photocatalytic degradation of veterinary antibiotics in wastewaters: A review, *Science of the Total Environment*, 2025, 966, 178765, [10.1016/j.scitotenv.2025.178765](https://doi.org/10.1016/j.scitotenv.2025.178765)
3. **Nannou C.***, Gkountouras D., Boti V., Albanis T., “AN Efficient LC–HRMS-Based Approach to Evaluate Pesticide Contamination in Water Bodies with Measurement Uncertainty Considerations, *Appl. Sci.* **2024**, 14(22), 10329; <https://doi.org/10.3390/app142210329>
4. Koronaiou L.-A., **Nannou C.**, Evgenidou E., Panagopoulos Abrahamsson D., Lambropoulou D.A., Photo-assisted transformation of furosemide: Exploring transformation pathways, structure database and suspect and non-target workflows for comprehensive screening of unknown transformation products in wastewaters and landfill leachates, (2023) *Science of the Total Environment*, 904, art. no. 166599, <https://doi.org/10.1016/j.scitotenv.2023.166599>
5. Evgenidou E., Ainali N.M., Rapti A., Bikiaris R.D., **Nannou C.**, Lambropoulou D.A., Photocatalytic performance of buoyant TiO₂-immobilized poly(ethylene terephthalate) beads for the removal of the anticonvulsant drug pregabalin from water and leachate (2023), *Journal of Environmental Chemical Engineering*, 11 (5), art. no. 110697, <https://doi.org/10.1016/j.jece.2023.110697>
6. Anagnostopoulou K., **Nannou C.**, Evgenidou E., Lambropoulou D.A., Does climbazole instigate a threat in the environment as persistent, mobile and toxic compound? Unveiling the occurrence and potential ecological risks of its phototransformation products in the water cycle (2023) *Journal of Hazardous Materials*, 458, art. no. 131854, <https://doi.org/10.1016/j.jhazmat.2023.131854>
7. Kovačič A., Modic M., Hojnik N., Štampar M., Gulin M.R., **Nannou C.**, Koronaiou L.-A., Heath, D., Walsh J.L., Žegura B., Lambropoulou D., Cvelbar U., Heath E., Degradation and toxicity of bisphenol A and S during cold atmospheric pressure plasma treatment (2023) *Journal of Hazardous Materials*, 454, art. no. 131478, <https://doi.org/10.1016/j.jhazmat.2023.131478>
8. Kovačič A., Gulin M.R., **Nannou C.**, Koronaiou L.-A., Kosjek T., Heath D., Maier M.S., Lambropoulou D., Heath E., Aerobic degradation of tetramethyl bisphenol F (TMBPF) with activated sludge: Kinetics and biotransformation products (2023) *Environmental Research*, 227, art. no. 115790, <https://doi.org/10.1016/j.envres.2023.115790>
9. Papamichail P., **Nannou C.**, Giannakoudakis D.A., Bikiaris N.D., Papoulia C., Pavlidou E., Lambropoulou D., Samanidou V., Deliyanni E., Maximization of the photocatalytic degradation of diclofenac using polymeric g-C₃N₄ by tuning the precursor and the synthetic protocol (2023) *Catalysis Today*, 418, art. no. 114075, <https://doi.org/10.1016/j.cattod.2023.114075>
10. Evgenidou E., Vasilopoulou K., Ioannidou E., Koronaiou L.A., **Nannou C.**, Trikkaliotis D.G., Bikiaris D., Kyzas G.Z., Lambropoulou D., Photocatalytic degradation of the antiviral drug abacavir using titania-graphene oxide nanocomposites in landfill leachate (2023) *Journal of Photochemistry and Photobiology A: Chemistry*, 439, art. no. 114628, <https://doi.org/10.1016/j.jphotochem.2023.114628>
11. Anagnostopoulou K., **Nannou C.**, Aschonitis V.G., Lambropoulou D.A., Screening of pesticides and emerging contaminants in eighteen Greek lakes by using target and non-target HRMS approaches: Occurrence and ecological risk assessment (2022) *Science of the Total Environment*, 849, art. no. 157887, <https://doi.org/10.1016/j.scitotenv.2022.157887>
12. Petromelidou S., Margaritis D., **Nannou C.**, Keramydas C., Lambropoulou D.A., HRMS screening of organophosphate flame retardants and poly-/perfluorinated substances in dust from cars and trucks:

- Occurrence and human exposure implications (2022) *Science of the Total Environment*, 848, art. no. 157696, <https://doi.org/10.1016/j.scitotenv.2022.157696>
13. C. Silva, A. Cachada, F. JM Gonçalves, **C. Nannou**, D. Lambropoulou, C. Patinha, N. Abrantes, J.- L. Pereira, “Chemical characterization of riverine sediments affected by wastewater treatment plant effluent discharge”, *Science of the Total Environment* (2022), Art No 156305, <https://doi.org/10.1016/j.scitotenv.2022.156305>
 14. A.Varela Alonso, H. Naranjo, A. Rat, N. Rödic, **C. Nannou**, D. Lambropoulou, A. Assimopoulou, S. Declerck, P. Rödel, C. Schneider. A.Willems, “Root-associated bacteria modulate the specialised metabolome of *Lithospermum officinale* L”, *Frontiers in Plant Science Plant Metabolism and Chemodiversity*, <https://doi.org/10.3389/fpls.2022.908669>
 15. Szopińska M., Potapowicz J., Jankowska K., Luczkiewicz A., Svahn O., Björklund E., **Nannou C.**, Lambropoulou D., Polkowska Ż., “Pharmaceuticals and other contaminants of emerging concern in Admiralty Bay as a result of untreated wastewater discharge: Status and possible environmental consequences”, *Science of the Total Environment* (2022), Art No 155400, <https://doi.org/10.1016/j.scitotenv.2022.155400>
 16. A. Kontogiannis, E. Evgenidou, **C. Nannou**, D. Bikiaris, D. Lambropoulou, “MOF-based photocatalytic degradation of the antibiotic lincomycin enhanced by hydrogen peroxide and persulfate: Kinetics, elucidation of transformation products and toxicity assessment”, *Journal of Environmental Chemical Engineering* (2022), Vol. 10 (4), 108112, <https://doi.org/10.1016/j.jece.2022.108112>
 17. Koronaoui L.-A., **Nannou C.**, Xanthopoulou N., Seretoudi G., Bikiaris D., Lambropoulou D. A., “High-resolution mass spectrometry-based strategies for the target analysis and suspect screening of per-and polyfluoroalkyl substances in aqueous matrices”, *Microchemical Journal* (2022), 179, Art No 107457, <https://doi.org/10.1016/j.microc.2022.107457>
 18. **Nannou C.**, Kaprara E., Psaltou S., Salapasidou M., Palasantza P.-A., Diamantopoulos P., Lambropoulou D. A, Mitrakas M., Zouboulis A., “Monitoring of a broad set of pharmaceuticals in wastewaters by high-resolution mass spectrometry and evaluation of heterogenous catalytic ozonation for their removal in a pre-industrial level unit”, *Analytica* (2022), 3 (2), pp 195-212, <https://doi.org/10.3390/analytica3020014>
 19. Anagnostopoulou K., **Nannou C.**, Evgenidou E., Lambropoulou D., “Overarching issues on relevant pesticide transformation products in the aquatic environment: A review (2022) *Science of the Total Environment*, 815, art. no. 152863,, <https://doi.org/10.1016/j.scitotenv.2021.152863>
 20. Ofrydopoulou A., **Nannou C.**, Evgenidou E., Lambropoulou D., “Assessment of a wide array of organic micropollutants of emerging concern in wastewater treatment plants in Greece: Occurrence, removals, mass loading and potential risks”, (2022) *Science of the Total Environment*, Art No 149860, [10.1016/j.scitotenv.2021.149860](https://doi.org/10.1016/j.scitotenv.2021.149860)
 21. Kalaitzidou, M.P., **Nannou, C.I.**, Lambropoulou, D.A., Papageorgiou, K.V., Theodoridis, A.M., Economou, V.K., Giantsis, I.A., Angelidis, P.G., Kritas, S.K., Petridou, E.J., “First report of detection of microcystins in farmed mediterranean mussels *Mytilus galloprovincialis* in Thermaikos gulf in Greece”, *Journal of Biological Research (Greece)*, (2021), 28 (1), Art No 8, <https://doi.org/10.1186/s40709-021-00139-4>
 22. E. Kargioti, E. Vouvoudi, **C. Nannou**, D. Bikiaris, D. Lambropoulou “Unraveling the origin of aged varnishes for the proper restoration of old paintings using spectroscopic and spectrometric techniques”, (2021) *Microchemical Journal*, Art No 106467, <https://doi.org/10.1016/j.microc.2021.106467>
 23. Ofrydopoulou A., **Nannou C.**, Evgenidou E., Lambropoulou D., “Sample preparation optimization by central composite design for multi class determination of 172 emerging contaminants in wastewaters and tap water using liquid chromatography high-resolution mass spectrometry”, (2021) *Journal of Chromatography A*, Vol. 1652, Art. No 462369, <https://doi.org/10.1016/j.chroma.2021.462369>
 24. Papadopoulos, L., Zamboulis, A., Kasmi, N., Wahbi, M., **Nannou, C.**, Lambropoulou, D.A., Kostoglou, M., Papageorgiou, G.Z., Bikiaris, D.N., “Investigation of the catalytic activity and reaction kinetic modeling of two antimony catalysts in the synthesis of poly(ethylene furanoate)”, *Green Chemistry*, (2021), 23 (6), p. 2507-2524, <https://doi.org/10.1039/d0gc04254d>

25. Ofrydopoulou A., Evgenidou E., **Nannou C.**, Vasquez M.I. Lambropoulou D., "Exploring the phototransformation and assessing the in vitro and in silico toxicity of a mixture of pharmaceuticals susceptible to photolysis", (2021) *Science of the Total Environment*, 756, art. no. 144079, <https://doi.org/10.1016/j.scitotenv.2020.144079>
26. Evgenidou E., Ofrydopoulou A., Malesic-Eleftheriadou N., **Nannou C.**, Ainali N.M., Christodoulou E., Bikiaris D.N., Kyzas G.Z., Lambropoulou D.A., "New insights into transformation pathways of a mixture of cytostatic drugs using Polyester-TiO₂ films: Identification of intermediates and toxicity assessment", (2020) *Science of the Total Environment*, 741, art. no. 140394, <https://doi.org/10.1016/j.scitotenv.2020.140394>
27. Potapowicz J., Lambropoulou D., **Nannou C.**, Koziół K., Polkowska Z., "Occurrences, sources, and transport of organochlorine pesticides in the aquatic environment of Antarctica", (2020) *Science of the Total Environment*, 735, art. no. 139475, <https://doi.org/10.1016/j.scitotenv.2020.139475>
28. Gómez-Ramos M.D.M., **Nannou C.**, Martínez Bueno M.J., Goday A., Murcia-Morales M., Ferrer C., Fernández-Alba A.R., "Pesticide residues evaluation of organic crops. A critical appraisal", (2020) *Food Chemistry: X*, 5, art. no. 100079, <https://doi.org/10.1016/j.fochx.2020.100079>
29. **Nannou C.**, Ofrydopoulou A., Evgenidou E., Heath D., Heath E., Lambropoulou D., "Antiviral drugs in aquatic environment and wastewater treatment plants: A review on occurrence, fate, removal and ecotoxicity", (2020) *Science of the Total Environment*, 699, art. no. 134322, <https://doi.org/10.1016/j.scitotenv.2019.134322>
30. **Nannou C.**, Ofrydopoulou A., Evgenidou E., Heath D., Heath E., Lambropoulou D., "Analytical strategies for the determination of antiviral drugs in the aquatic environment", (2019) *Trends in Environmental Analytical Chemistry*, 24, art. no. e00071, <https://doi.org/10.1016/j.teac.2019.e00071>
31. Gadelha J.R., Rocha A. C., Camacho C., Eljarrat E., Peris A., Aminot Y., Readman J. W., Boti V., **Nannou C.**, Kapsi M., Albanis T., Rocha F., Machado A., Bordalo A., Valente L., Nunes M. L., Marques A., Almeida C. M. R., "Persistent and emerging pollutants assessment on aquaculture oysters (*Crassostrea gigas*) from NW Portuguese coast (Ria de Aveiro)", (2019) *Science of the Total Environment*, 666, pp. 731-742, <https://doi.org/10.1016/j.scitotenv.2019.02.280>
32. **Nannou C. I.**, Kosma C.I., Boti V. I., Albanis T.A., "Psychiatric and selected metabolites in hospital and urban wastewaters: Occurrence, removal, mass loading, seasonal influence and risk assessment," (2019) *Science of the Total Environment*, 659, pp. 1473-1483, <https://doi.org/10.1016/j.scitotenv.2018.12.421>
33. **Nannou C. I.**, Boti V. I., Albanis T.A., "A modified QuEChERS approach for the analysis of pharmaceuticals in sediments by LC-Orbitrap HRMS," (2019) *Analytical and Bioanalytical Chemistry*, 411 (7), pp. 1383-1396, <https://doi.org/10.1007/s00216-018-01570-8>
34. **Nannou C. I.**, Boti V. I., Albanis T.A., "Trace analysis of pesticide residues in sediments using liquid chromatography-high-resolution Orbitrap mass spectrometry," (2018) *Analytical and Bioanalytical Chemistry*, 410 (7), pp. 1977-1989, <https://doi.org/10.1007/s00216-018-0864-6>
35. Rocha A. C., Camacho C., Eljarrat E., Peris A., Aminot Y., Readman J. W., Boti V., **Nannou C.**, Marques A., Nunes M. L., Almeida C. M., "Bioaccumulation of persistent and emerging pollutants in wild sea urchin *Paracentrotus lividus*," (2018) *Environmental Research*, 161, pp. 354-363, <https://doi.org/10.1016/j.envres.2017.11.029>
36. Huerta B., Rodriguez-Mozaz S., **Nannou C.**, Nakis L., Ruhí A., Acuña V., Sabater S., Barceló D., "Determination of a broad spectrum of pharmaceuticals and endocrine disruptors in biofilm from a waste water treatment plant-impacted river," (2016) *Science of the Total Environment*, 540, pp. 241-249, <https://doi.org/10.1016/j.scitotenv.2015.05.049>
37. **Nannou C. I.**, Kosma C.I. Albanis T.A., "Occurrence of pharmaceuticals in surface waters: analytical method development and environmental risk assessment," (2015) *International Journal of Environmental Analytical Chemistry*, 95 (13), pp. 1242-1262, <https://doi.org/10.1080/03067319.2015.1085520>

Chapters in International Scientific Books

1. **C. Nannou** and D. Lambropoulou, "Chiral pharmaceuticals: Source, Human Risk and Future Studies" (Chapter 10 in *Chiral Organic Pollutants. Monitoring and Characterization in Food and the Environment*, by Edmond Sanganyado, Basil K. Munjanja, Leo M. L. Nollet), 1st Edition (2020), CRC Press, eBook ISBN: 9781003000167 (invited chapter)
2. **C. Nannou**, A. Ofrydopoulou, David Heath, Ester Heath, D. Lambropoulou, "QuEChERS - A green alternative approach for the determination of pharmaceuticals and personal care products in environmental and food samples", (Chapter 14 in *Green Analytical Chemistry - Past, Present and Perspectives* by Justyna Plotka-Wasyłka and Jacek Namieśnik), 1st Edition (2019), pp. 395-430, Springer, ISBN 978-981-13-9105-7 (invited chapter)

Scientific Conferences

International Conferences with Full Paper Proceedings

1. A. Rapti, E. Evgenidou, **C. Nannou**, D. N. Bikiaris, D. Lambropoulou, "Application Of Different Sulfate Radical-Based Advanced Oxidation Processes For The Degradation Of The Antiepileptic Drug Pregabalin", 7-11th Iberoamerican Conference on Advanced Oxidation Technologies – CIPOA, November 7-11 2022, Cusco, Peru
2. K. Vasilopoulou, **C. Nannou**, E. Ioannidou, E. Evgenidou, G. Kyzas, D. Bikiaris, D. Lambropoulou, "Photocatalytic degradation of the antiviral drug abacavir using titania-graphene oxide nanocomposites in landfill leachate, 7th International Conference on Industrial and Hazardous Waste Management. July 27-30, 2021, Chania, Crete, Greece
3. D. Kifokeri, **C. Nannou**, V. Boti, T. Albanis, "Determination of pharmaceutical residues in natural waters using high performance liquid chromatography coupled to quadrupole-Orbitrap mass spectrometry", 16th International Conference on Environmental Science and Technology, 4-7 September 2019, Rhodes, Greece
4. **C. Nannou***, V. Boti, T. Albanis, "Multi-residue analysis of pharmaceuticals and pesticides in sediments using QuEChERS and LC-Orbitrap HRMS", 10th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment", September 12-14, 2018, Bologna, Italy
5. T. Albanis, C. Kosma, **C. Nannou***, V. Boti, "Concentration levels of pharmaceuticals and their metabolites in wastewaters and surface waters by using liquid chromatography coupled to high resolution orbitrap mass spectrometry", September 12-14, 2018, Bologna, Italy (*Invited Lecture*)
6. C. Kosma, **C. Nannou**, V. Boti, T. Albanis, "Environmental impact of psychiatric drugs from Greek wastewaters: seasonal occurrence, removal, mass loading and risk assessment", 10th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment", September 12-14, 2018, Bologna, Italy
7. **C. Nannou***, V. Boti, T. Albanis, "High-resolution-Orbitrap mass spectrometry for pesticide residues analysis in natural waters and sediments: optimization and application", 9th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment", October 4-7, 2016, Santiago de Compostela, Galicia, Spain
8. M. Kapsi, **C. Nannou**, V. Boti, T. 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 Micro-pollutants in the Environment", October 4-7, 2016, Santiago de Compostela, Galicia, Spain
9. **C. Nannou***, V. Boti, T. Albanis, "Accurate mass screening of psychiatric drugs in water and sediment by UHPLC-Orbitrap mass spectrometry", 9th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment", October 4-7, 2016, Santiago de Compostela, Galicia, Spain
10. A. Stergiou, **C. Nannou**, V. Boti, T. Albanis, "Analysis of pharmaceuticals in sediments using QuEChERS-based extraction followed by UHPLC-Orbitrap-MS", 9th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment", October 4-7, 2016, Santiago de Compostela, Galicia, Spain

11. C. Kosma, **C. Nannou**, V. Boti, T. Albanis, "Investigation of antidepressants and their metabolites in Greek wastewaters using liquid chromatography coupled to high-resolution-Orbitrap mass spectrometry", 9th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment", October 4-7, 2016, Santiago de Compostela, Galicia, Spain
12. **C. Nannou**, V. Boti, C. Tsoutsis, I. Konstantinou, G. Patakioutas, T. Albanis, G. Karras, "Application of hybrid linear ion trap - Orbitrap mass spectrometry for the qualitative and quantitative assessment of pesticides in NW Greece", 14th International Conference on Environmental Science and Technology, September 3-5, 2015, Rhodes, Greece
13. **C. Nannou**, V. Boti, C. Tsoutsis, S. Manos, I. Konstantinou, I. Patakioutas, G. Karras, T. Albanis, "Quantitative determination of pesticide residues in surface waters using the innovative hybrid linear ion trap - Orbitrap mass spectrometry", 8th European Conference on pesticides and related organic micro-pollutants in the environment", September 17-21, 2014, Ioannina, Greece
14. **C. Nannou***, C. Kosma, T. Albanis, "Occurrence and environmental risk assessment of pharmaceuticals in surface waters in NW Greece", 8th European Conference on pesticides and related organic micro-pollutants in the environment", September 17-21, 2014, Ioannina, Greece
15. **C. Nannou***, C. Kosma, T. Albanis, "Analysis of trace levels of pharmaceutical compounds in surface waters in the region of Epirus (Greece)", 13th International Conference on Environmental Science and Technology, September 5-7, 2013, Athens, Greece
16. **C. Nannou**, C. Kosma, T. Albanis, "Presence of pharmaceutical substances in surface waters in the region of Epirus", 7th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment", October 7-10, 2012, Porto, Portugal

International Conferences with Abstract Proceedings

17. D. Gkountouras, V. Boti, **C. Nannou**, T. Albanis, "HRMS-based Evaluation of Tomato Processing: Residue Mitigation and Tentative Characterization of TPs", 12th European Conference on Pesticides and Related Organic Micropollutants in the Environment, 12-14 November 2025, Almeria, Spain
18. E. Evgenidou, **C. Nannou**, A. Kontogiannis, D. Bikiaris, D. Lambropoulou "LC-HRMS suspect screening workflow to elucidate transformation products of lincomycin after photocatalytic abatement using MOF-based photocatalysts", 18th Annual Workshop On Emerging HRMS And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022, Barcelona, Spain
19. L.-A. Koronaiou, **C. Nannou**, M. García Valverde, E. Evgenidou, D. Lambropoulou, "Compact suspect screening workflow for the elucidation of the diuretic drug furosemide", 18th Annual Workshop On Emerging HRMS And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022. Barcelona
20. S. Petromelidou, D. Margaritis, **C. Nannou**, C. Keramydas, D. Lambropoulou, "Identification and quantification of new emerging contaminants in vehicles' microenvironments in Thessaloniki: Application of LC-HRMS based target and non-target approach", 18th Annual Workshop On Emerging HRMS And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022. Barcelona
21. K. Anagnostopoulou, **C. Nannou**, E. Evgenidou, D. Bikiaris, G. Kyzas, D. Lambropoulou "Orbitrap mass spectrometry assessment of climbazole UV degradability: Transformation products elucidation", 18th Annual Workshop On Emerging HRMS And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022. Barcelona
22. L.-A. Koronaiou, **C. Nannou**, D. A. Lambropoulou, "A step-by-step optimization of the MS and MS/MS parameters of an Orbitrap mass spectrometer for the analysis of extra virgin olive oil", 18th Annual Workshop On Emerging HRMS And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022. Barcelona
23. E. Evgenidou, P. Pavlidis, Efthymia Ioannidou, D. Trikkaliotis, **C. Nannou**, G. Kyzas, D. Bikiaris, D. Lambropoulou, "Photocatalytic Degradation of Ceftazidime in Wastewaters and Landfill Leachate using

Manganese Oxides Supported on TiO₂–Graphene Nanocomposite Catalysts”, 9th IUPAC International Conference on Green Chemistry, 5-9 September 2022, Athens, Greece

24. P. Kouvatsis, E. Evgenidou, **C. Nannou**, D. Bikiaris, D. Lambropoulou, “Pilot scale continuous photocatalytic reactor for removal of emerging contaminants from leachates”, 9th IUPAC International Conference on Green Chemistry, 5-9 September 2022, Athens, Greece
25. L.-A. Koronaiou, **C. Nannou***, D. Bikiaris, D. A. Lambropoulou, “A high-resolution mass spectrometry-based integrated workflow for the target analysis and suspect screening of per- and polyfluoroalkyl substances in wastewaters and leachates”, 11th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment”, June 22-26, 2022, Ioannina, Greece
26. K. Anagnostopoulou, **C. Nannou**, E. Evgenidou, D. Lambropoulou, “Photocatalytic abatement of climbazole in wastewaters by titania photocatalysts: An integrated screening approach for the identification of hazardous transformation products”, 11th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment”, June 22-26, 2022, Ioannina, Greece
27. L.-A. Koronaiou, **C. Nannou**, N. M. Ainali, L. Daktylidi, V. Papoti, E. Evgenidou, M. V. Perikli, M. Maroulis, D. Lambropoulou, “An advanced non- target screening workflow with LC-HESI-Q Orbitrap MS to trace the geo-profile of Greek extra virgin olive oils”, 11th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment”, June 22-26, 2022, Ioannina, Greece
28. S. Petromelidou, **C. Nannou**, M. Tziouvalekas, D. Lambropoulou, “Designing a compact non-target analysis workflow for the identification of pharmaceuticals transformation products in surface waters using switching ionization mode”, 11th European Conference on Pesticides and Related Organic Micro-pollutants in the Environment”, June 22-26, 2022, Ioannina, Greece
29. E. Kargioti, E. Vouvoudi, **C. Nannou**, D. Bikiaris, D. Lambropoulou “Identifying the origin of aged varnishes for the proper restoration of old paintings using spectroscopic and spectrometric technics”, 13th Hellenic Polymer Society International Conference, 12-16 December 2021, Virtual Event
30. M.P. Kalaitzidou, **C.I. Nannou**, D.A. Lambropoulou, K.V. Papageorgiou, A.M. Theodoridis, V.K. Economou, I.A. Giantsis, P.G. Angelidis, S.K. Kritas and E.J. Petridou, “Toxic cyanobacteria and marine biotoxins detection in farmed mediterranean mussel *Mytilus galloprovincialis* from Thermaikos gulf”, North Greece, 3rd International conference of the European college of veterinary microbiology, 16-17 October 2021, Virtual Event
31. A. Ofrydopoulou, **C. Nannou**, E. Evgenidou, D. Lambropoulou, 12th International Conference on “Instrumental Methods of Analysis”, 20-23 September 2021 (Virtual event)
32. K. Anagnostopoulou, **C. Nannou**, D. Lambropoulou, “Identification of transformation products derived from pharmaceutically active compounds in surface waters by liquid chromatography-high-resolution mass spectrometry”, 12th International Conference on “Instrumental Methods of Analysis”, 20-23 September 2021 (Virtual event)
33. S. Petromelidou, **C. Nannou**, and D. Lambropoulou, “Relevant pesticide transformation products in surface waters using target and suspect screening with LC-HRMS”, 12th International Conference on “Instrumental Methods of Analysis”, 20-23 September 2021 (Virtual event)
34. Efthimia Kaprara, Savvina Psaltou, **C. Nannou**, Maria Salapasidou, Panagiota-Aikaterini Palasantza, D. Lambropoulou, Anastasios Zouboulis, Manassis Mitrakas, “Micropollutants’ degradation through heterogeneous catalytic ozonation - application of continuous flow pre-industrial unit”, 12th International Conference on “Instrumental Methods of Analysis”, 20-23 September 2021 (Virtual event)
35. L.-A. Koronaiou, **C. Nannou**, D. Lambropoulou, “Development of an HRMS-based workflow to quantify PFAs in leachates and urban waters”, 12th International Conference on “Instrumental Methods of Analysis”, 20-23 September 2021 (Virtual event)
36. A. Kontogiannis, **C. Nannou**, E. Evgenidou, D. Lambropoulou, “Diclofenac transformation product elucidation and risk assessment on heterogeneous photocatalytic procedures based on metal-organic framework-oxidant

systems", 12th International Conference on "Instrumental Methods of Analysis", 20-23 September 2021 (Virtual event)

37. C. M. R. Almeida, A. C. Rocha, C. Camacho, E. Eljarrat, A. Peris, Y. Aminot, J. W. Readman, V. Boti, **C. Nannou**, A. Marques, M. L. Nunes, "Bioaccumulation of persistent and emergent pollutants in NW Portuguese Sea Urchins - is there a Risk for Consumers?", 18th European meeting on Environmental Chemistry, November 26-29, 2018, Porto, Portugal
38. **C. Nannou**, V. Boti, T. Albanis, "Accurate mass screening of pesticide residues in fresh water and sediments using LC-hybrid LTQ/Orbitrap-MS", SETAC Europe 27th Annual Meeting, May 7-11, 2017, Brussels, Belgium
39. T. Albanis, C. Kosma, **C. Nannou**, V. Boti, "Investigation of psychiatric drugs and their metabolites in wastewaters and surface waters using liquid chromatography coupled to high-resolution-Orbitrap mass spectrometry", SETAC Europe 27th Annual Meeting, May 7-11, 2017, Brussels, Belgium
40. C. Kosma, **C. Nannou**, V. Boti, T. Albanis, "High resolution mass spectrometry to investigate psychiatric drugs and their metabolites in wastewaters", 9th International Conference Instrumental Methods of Analysis: Modern Trends and Applications", September 17-21, 2017, Heraklion, Crete, Greece
41. **C. Nannou***, C. Kosma, V. Boti, T. Albanis, "High sensitive multiresidue analysis of pharmaceuticals in surface water using UHPLC-LTQ Orbitrap HRMS", 9th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications", September 17-21 2017, Heraklion, Crete, Greece
42. **C. Nannou****, V. Boti, T. Albanis, "Fast and comprehensive analysis of pesticides in surface waters by UHPLC-high resolution & high mass accuracy hybrid linear ion- trap- Orbitrap mass spectrometry", 6th International Conference "Protection of natural resources and environmental management: the main tools for sustainability", 11-13 November 2016, Bucharest, Romania
43. **C. Nannou**, V. Boti, T. Albanis, "Fast and comprehensive analysis of pesticides in surface waters by UHPLC - high resolution & high mass accuracy hybrid linear ion- trap- Orbitrap mass spectrometry", 2nd EWaS International Conference: "Efficient & Sustainable Water Systems Management towards Worth Living Development", June 1- 4 2016, Chania, Crete, Greece
44. G. Skouras, G. Tatsi, M. Tsoulfa, **C. Nannou**, S. Tsafou, A. Mitsionis, N. Todorova, T. Albanis, C. Trapalis and T. Vaimakis "Photocatalytic and antimicrobial efficiency of TiO₂-based interior paints", 4th European Conference on Environmental Applications of Advanced Oxidation Processes, October 21-24, 2015, Athens, Greece
45. **C. Nannou**, V. Boti, C. Tsoutsi, N. Mantzos, I. Konstantinou, G. Patakioutas, G. Karras, T. Albanis, "Fast and comprehensive analysis of pesticides in surface waters by UHPLC-high resolution & high mass accuracy hybrid linear ion- trap- Orbitrap mass spectrometry", 1st International Conference on Ecology and Protection of marine and freshwater environment, October 1-3, 2015, Viterbo, Italy (Invited Lecture)
46. **C. Nannou***, V. Boti, M. Tsomi, G. Patakioutas, T. Albanis, G. Karras, "Determination of various pesticides in fresh waters by means of high resolution & high mass accuracy hybrid linear ion-trap-Orbitrap mass spectrometry", 9th International Conference on "Instrumental Methods of Analysis-Modern Trends and Applications, September 21-24, 2015, Kalamata, Greece
47. V. Boti, **C. Nannou***, Ch. Tsoutsi, I. Konstantinou, S. Manos, G. Patakioutas, T. Albanis, G. Karras, "Emerging pesticides occurrence in fresh waters and sediments in a catchment area dominated by agriculture", Land Use and Water Quality, September 21-24 2015, Vienna, Austria
48. S. Manos, **C. Nannou***, V. Boti, Ch. Tsoutsi, T. Albanis, G. Patakioutas, G. Karras, I. Konstantinou, "Passive sampling for the monitoring of emerging pesticides in the aquatic environment", Land Use and Water Quality, September 21-24 2015, Vienna, Austria
49. **C. Nannou**, V. Boti, C. Tsoutsi, N. Mantzos, I. Konstantinou, G. Patakioutas, G. Karras, T. Albanis, "Fast and comprehensive analysis of pesticides in surface waters by UHPLC-high resolution & high mass accuracy hybrid linear ion- trap- Orbitrap mass spectrometry", SETAC Europe 25th Annual Meeting, May 3-5, 2015, Barcelona, Spain

50. **C. Nannou**, C. Kosma, T. Albanis, "Multi-residue analysis and environmental risk assessment of pharmaceutical compounds in surface waters in Greece, 9th Aegean Analytical Chemistry Days, September 20 - October 3, 2014, Chios, Greece
51. **C. Nannou**, V. Boti, C. Tsoutsi, N. Mantzos, I. Konstantinou, G. Patakioutas, G. Karras, T. Albanis, "Rapid screening of pesticides in surface waters by UHPLC coupled with high resolution & high mass accuracy hybrid linear ion-trap-Orbitrap mass spectrometry", 9th Aegean Analytical Chemistry Days, September 20 - October 3, 2014, Chios, Greece
52. **C. Nannou**, C. Kosma, T. Albanis, "Trace analysis and environmental risk assessment of pharmaceuticals in Epirus, Greece", 16th International Symposium on Advances in Extraction Technologies, May 25-28, 2014, Chania, Greece
53. **C. Nannou**, C. Kosma, T. Albanis, "Quantitative determination of various pharmaceuticals in surface waters in the region of Epirus (Greece) and environmental risk assessment", 8th International Conference on Instrumental Methods of Analysis - Modern Trends and Applications, September 15-19, 2013, Thessaloniki, Greece
54. **C. I. Nannou**, Ch. I. Kosma and T. A. Albanis, "Occurrence of pharmaceutical active compounds in surface waters (Epirus, Greece) and environmental risk assessment", 4th International Cemepe & Secotox Conference, June 24-28, 2013, Mykonos Island, Greece

Greek Conferences

55. Ch. Krokou, V. Boti, **C. Nannou**, "Comparative evaluation of the QuEChERS method for the determination of pesticide residues in fruit juices and application to commercial samples", 8th Chemistry Conference of Postgraduate and Undergraduate Students of AUTH, October 18–19, 2025, KEDEA AUTH.
56. Ch.-K. Tsamtzidou, A. Theodoridis, K. Ladomenou, **C. Nannou**, "Study of photocatalytic degradation of Bisphenol A using hybrid photocatalytic systems", 8th Chemistry Conference of Postgraduate and Undergraduate Students of AUTH, October 18–19, 2025, KEDEA AUTH.
57. A.S. Papadopoulou, R.A. Kitsos, A.G. Konstantoulis, I.S. Maziotis, K.D. Frangos, V.I. Boti, **Ch.I. Nannou**, "From farm to fork: assessment of processing factors for pesticide residues in tomatoes", 8th Chemistry Conference of Postgraduate and Undergraduate Students of AUTH, October 18–19, 2025, KEDEA AUTH.
58. **C. Nannou**, S. Byzantinopoulos, T. Albanis, "Environmental criteria for herbicide selection and best agricultural practices to reduce the risk of surface/groundwater pollution in the aquatic ecosystem of Epirus", 22nd Panhellenic Weed Science Congress, Arta, March 19–21, 2025.
59. **C. Nannou**, E. Evgenidou, D. Lambropoulou, "Validation of a method for the determination of 270 pesticides in soils and sediments using high-resolution mass spectrometry", 8th Metrology Conference, Thessaloniki, July 1–2, 2022.
60. S. Petromelidou, **C. Nannou**, D. Lambropoulou, "Validation of an analytical methodology based on high-resolution mass spectrometry for the determination of PFAS in urine", 8th Metrology Conference, Thessaloniki, July 1–2, 2022.
61. L.-A. Koronaiou, **C. Nannou**, N. Xanthopoulou, G. Seretoudi, D. Bikiaris, D. Lambropoulou, "Validation and uncertainty estimation of an analytical method for the determination of per- and polyfluoroalkyl substances using high-resolution mass spectrometry", 8th Metrology Conference, Thessaloniki, July 1–2, 2022.
62. K. Anagnostopoulou, **C. Nannou**, D. Lambropoulou, "Development and application of a multi-residue method for the determination of pharmaceutical compounds in wastewaters using high-resolution mass spectrometry", 8th Metrology Conference, Thessaloniki, July 1–2, 2022.
63. K.P. Anagnostopoulou, L.-A.A. Koronaiou, S.V. Petromelidou, **C.I. Nannou**, D.A. Lambropoulou, "Use of on-line ArcGIS applications for the assessment of chemical pollution in the Axios River basin", 5th Chemistry Conference of Postgraduate and Undergraduate Students of AUTH, April 2–3, 2021.

64. S.V. Petromelidou, K.P. Anagnostopoulou, L.-A.A. Koronaiou, **C.I. Nannou**, D.A. Lambropoulou, "Assessment of pollutant load in the aquatic system of the Axios River using high-resolution mass spectrometry", 5th Chemistry Conference of Postgraduate and Undergraduate Students of AUTH, April 2–3, 2021.
65. K. Anagnostopoulou, **C. Nannou**, D. Lambropoulou, "Determination of transformation products of pharmaceutical compounds in surface waters using liquid chromatography–high-resolution mass spectrometry", 4th Chemistry Conference of Postgraduate and Undergraduate Students of AUTH, March 20–21, 2021.
66. S. Petromelidou, **C. Nannou**, D. Lambropoulou, "Determination of transformation products of pesticide compounds in surface waters using liquid chromatography–high-resolution mass spectrometry", 4th Chemistry Conference of Postgraduate and Undergraduate Students of AUTH, March 20–21, 2021.
67. A. Ofrydopoulou, **C. Nannou**, E. Evgenidou, D. Lambropoulou, "Photolytic degradation of pharmaceutical mixtures: identification of transformation products and toxicity assessment", 7th Environmental Conference of Macedonia, October 30 – November 1, 2020, Thessaloniki.
68. A.M. Ioannidou, **C. Nannou**, D. Lambropoulou, "Determination of pharmaceutical compounds in aqueous environmental samples using ultra-high-pressure liquid chromatography coupled with high-resolution mass spectrometry", 7th Environmental Conference of Macedonia, October 30 – November 1, 2020, Thessaloniki.
69. C. Kosma, **C. Nannou**, V. Boti, T. Albanis, "Determination of psychiatric drugs and their metabolites in liquid wastes using UHPLC/LTQ-Orbitrap MS", 5th Chemistry Conference of the Department of Chemistry, University of Ioannina, Ioannina, September 29–30, 2017.
70. **C. Nannou**, V. Boti, T. Albanis, "Detection of pesticide residues in sediments using the hybrid UHPLC/LTQ-Orbitrap MS analyzer", 5th Chemistry Conference of the Department of Chemistry, University of Ioannina, Ioannina, September 29–30, 2017.
71. **C. Nannou**, V. Boti, T. Albanis, "Development of an analytical methodology for the determination of emerging pollutants in sediments", 22nd Panhellenic Chemistry Conference, December 2–4, 2016, Thessaloniki.
72. G. Skouras, **C. Nannou**, M. Tsoulfa, G. Tatsi, A. Mitsionis, N. Todorova, T. Albanis, Ch. Trappalis, T. Vaimakis, "Preparation of mesoporous titania by combining microemulsion and sol-gel methods. Study of photocatalytic and antibacterial activity", 12th Chemistry Conference of Greece and Cyprus, May 8–10, 2015, Thessaloniki.
73. **C. Nannou**, C. Kosma, T. Albanis, "Concentration levels and environmental risk assessment of pharmaceuticals in the Kalamas River and Lake Pamvotida", 5th Environmental Conference of Macedonia, March 14–16, 2014, Thessaloniki.
74. **C. Nannou**, Ch.I. Kosma, I.V. Zioris, T.A. Albanis, "Determination of pharmaceutical residues in surface waters of the Louros River", 4th Environmental Conference of Macedonia, March 18–20, 2011, Thessaloniki.

International Workshops with Proceedings

75. S. Petromelidou, D. Margaritis, **C. Nannou**, C. Keramydas, D. Lambropoulou "Identification and quantification of new emerging contaminants in vehicles' microenvironments in Thessaloniki: Application of LC-HRMS based target and non-target approach", 18th Annual Workshop On Emerging High-Resolution Mass Spectrometry (HRMS) And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022, Barcelona
76. K. Anagnostopoulou, **C. Nannou**, E. Evgenidou, D. Bikiaris, G. Kyzas, D. Lambropoulou, "Orbitrap mass spectrometry assessment of climbazole UV degradability: Transformation products elucidation", 18th Annual Workshop On Emerging High-Resolution Mass Spectrometry (HRMS) And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022, Barcelona
77. E. Evgenidou, **C. Nannou**, A. Kontogiannis, D. Bikiaris, D. Lambropoulou, "LC-HRMS suspect screening workflow to elucidate transformation products of lincomycin after photocatalytic abatement using MOF-

based photocatalysts”, 18th Annual Workshop On Emerging High-Resolution Mass Spectrometry (HRMS) And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022, Barcelona

78. L. Koronaiou, **C. Nannou**, M. García Valverde, E. Evgenidou, D. Lambropoulou, “Compact suspect screening workflow for the elucidation of the diuretic drug furosemide”, 18th Annual Workshop On Emerging High-Resolution Mass Spectrometry (HRMS) And LC-MS/MS Applications In Environmental Analysis And Food Safety, 10-11 October 2022, Barcelona
79. M.M. Gomez-Ramos, **C. Nannou**, A. Goday, M. Murcia-Morales, Ł. Rajski, A.R. Fernández-Alba, “Monitoring and evaluation of pesticide residues in organic crops”, 14th Annual LC/MS/MS workshop in environmental analysis and food safety, June 26-27, 2018, Barcelona, Spain
80. **C. Nannou***, V. Boti, T. Albanis, “Occurrence of pesticides in marine environment: Seawater and sediment analysis by means of UHPLC/LTQ-Orbitrap MS”, Final open technical meeting & Workshop, Sea-on-a-chip-project. May 16-17, 2017, Olhão, Portugal
81. V. Boti, **C. 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
82. **C. Nannou***, V. Boti, G. Patakioutas, G. Karras, T. Albanis, “LC-high resolution-Orbitrap mass spectrometry for the investigation of conventional and new pesticides in Amvrakikos Gulf (N.W. Greece)”, 1st Progress Workshop, Sea-on-a-chip-project. April 27-29, 2015, Sivota, Greece
83. V. I. Boti, M. G. Kapsi, **C. 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, Greece

*Υποδηλώνει προφορική παρουσίαση της ιδίας, ** Υποδηλώνει προσκεκλημένη προφορική παρουσίαση

Lectures on seminars, info-days and workshops

1. **C. Nannou** and C. Tsamtzidou, “Evaluation of the Photocatalytic Efficiency of Hybrid TiO₂ under Simulated Pollution Conditions: The Case of Bisphenol A”, GreenMat (TAEDR-0535821), June 5-6 2025, Kavala Campus, DUTH
2. **C. Nannou**, “Determination of pollutants in leachates and high-load wastewaters using High-Resolution Mass Spectrometry”, Interdisciplinary Educational Seminar within the framework of the project UV-LEACH – Combining the Use of AOPs & Membrane Technology, T2EDK-00137, Tuesday, July 19, 2022, KEDEK AUTH.
3. **C. Nannou**, K. Anagnostopoulou, D. Lambropoulou, “First results of an on-going PPCPs monitoring in municipal WWTPs in Greece (Thessaloniki) and China (Guangzhou)”, Interdisciplinary Workshop (Projects GreenPro & MOREM), “Bilateral and Multilateral R&T Cooperation between Greece and China”, December 2, 2021, Thessaloniki.
4. **C. Nannou**, “Monitoring of Emerging Contaminants in Wastewaters”, Interdisciplinary Workshop (Projects GreenPro & MOREM), “Bilateral and Multilateral R&T Cooperation between Greece and China”, December 2, 2021, Thessaloniki.
5. **C. Nannou**, “Concentration levels of emerging pollutants in the Wastewater Treatment Plant of the tourist areas of Thessaloniki (WWTP ‘AINEIAS’”, Final Workshop within the framework of the project CatOzoN, November 8, 2021, Thessaloniki.
6. **C. Nannou**, “Assessment of pollution levels from plant protection and pharmaceutical compounds in rivers”, Info-days of project Aqua-M II – Sustainable Management of Cross-border Water Resources, December 7–8, 2020, Thessaloniki.
7. **C. Nannou**, “Systematic study of anthropogenic pollution levels in the Axios River”, Seminar on “Best practices for the sustainability, management. and prevention of water pollution” within the framework of the project AQUA-M II, September 16, 2021, Polykastro.