

CURRICULUM VITAE

Triantafyllos Kaloudis

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1. Education

1991-1995 **Ph.D. in Chemistry (Honors)**,
National and Kapodistrian University of Athens – National Centre for Scientific
Research “Demokritos”.
Project title: “Effect of iron salts on the destruction of phenolic pollutants in
water with use of γ irradiation”.

2001-2003 **M.Sc. Quality Management “With Distinction”**,
University of the West of Scotland (University of Paisley), Scotland, UK.
Received the “Court Medal Award 2002-2003”.

2000-2001 **Postgraduate Programme “Production Management: Quality – Quality
Management”**
Technical Educational Institute (TEI) of Piraeus, Greece.

1986-1990 **Ptychion – Bachelor Degree (Honors) in Chemistry**,
National and Kapodistrian University of Athens.

2. Employment history

a. Full-time

Jun 2003 - present **Head of AquOmixLab**
Athens Water Supply and Sewerage Company (EYDAP SA)
Department of Water Quality Control

Sep 2014 - present **Quality Manager, Analytical Laboratories**
Athens Water Supply and Sewerage Company (EYDAP SA)
Department of Water Quality Control

Feb 2000–Jun 2003 **Head of Industrial Wastewater Control Section**,
Athens Water Supply and Sewerage Company (EYDAP SA)
Department of Water Quality Control and Protection.

Sep 1997-Feb 2000	Senior Researcher – Head of Laboratory Services Food Industrial Research and Technological Development Company (ETAT SA – www.etat.gr)
Mar 1991–Sep1995	Postgraduate Scholar, PhD thesis Institute of Physical Chemistry, National Centre of Scientific Research “Demokritos” – www.demokritos.gr
b. Part-time	
Apr 2005 - present	Auditor – Testing Laboratories (ISO 17025) Hellenic Accreditation System (E.SY.D.) www.esyd.gr
May 2005-present	Collaborating Researcher (from 2018: Research Associate) NCSR Demokritos Institute of Nanoscience and Nanotechnology (INN)
Sep 2004 - 2009	Lecturer – M.Sc. Quality Management University of the West of Scotland (UWS – www.uws.ac.uk) Modules: Statistical Quality Control, Strategic Quality and Risk Management, Service Quality. Supervisor of Dissertation Projects
Sep 2008- 2010	Trainer – Food Safety and Hygiene KEK DIASTASI - Hellenic Food Authority training programs (EFET- www.efet.gr)
Feb 2000- 2005	Consultant – Management Systems and Research Projects Self Employed ISO 9001- HACCP systems and Industrial Research Projects.

3. Professional skills and experience highlights

- More than 20 years’ experience in **environmental chemistry** and **chemical analysis** of contaminants – pollutants (pesticides, PAHs, VOCs, phenols, cyanotoxins etc) in **water, food and environmental samples**.
- Expert in GC/MS/MS, LC-MS/MS, LC-qTOF, HPLC/UV-PDA-FD, GC/NPD-ECD-FID, IC, ELISA.
- Mass spectrometry based metabolomics platforms and data analysis tools (MZmine3, GNPS-FBMN, SIRIUS, Cytoscape, FBMN Stats)
- **Analytical method development and validation**, to meet ISO 17025, EURACHEM, SANTE etc guidelines.
- **Laboratory accreditation** systems expert (ISO 17025). Certified Auditor of the Hellenic Accreditation System S.A. (E.SY.D. SA – www.esyd.gr). Over 100 laboratory audits completed (food and water, public and private sectors).
- Research in **Advanced Oxidation Processes (AOPs)** for water treatment. Elucidation of mechanisms of degradation of organic pollutants with AOPs.
- Experience in **statistics, statistical analysis of data, statistical quality control (SQC)**. Lecturer of SQC at M.Sc. level.
- Preparation and submission of **research proposals**, management of **research projects** (National-European).

4. Professional certification

<i>May 2018</i>	Certified Auditor, Testing Laboratory Accreditation – ISO 17025:2017 , Hellenic Accreditation System S.A. (E.SY.D. SA – www.esyd.gr)
<i>Oct 2007</i>	Certified Auditor, Laboratory Accreditation Hellenic Accreditation System S.A. (E.SY.D. SA – www.esyd.gr) Cert. No L03/340/07
<i>Nov 2005</i>	Registered Trainer – Food Safety and Hygiene Hellenic Food Authority (EFET – www.efet.gr)
<i>Jun 2001</i>	Certified Lead Auditor – ISO 9001 Rowe Parker Associates IRCA Registered – www.irca.org
<i>Dec 2001</i>	Certified Auditor – Environmental Management Systems Integra Environmental SA IEMA Registered – www.iema.net

5. Continuous education – training (selected items)

<i>Apr 2025</i>	ICP-MS theory and applications, Dr. Matthias Balski, 14-16 April 2025, AquOmixLab, Athens.
<i>Oct 2023</i>	Risk Assessment approaches for water T&O. Istituto Superiore di Sanita, 16-18 October 2023, Rome, Italy.
<i>Sep 2023</i>	ESI-qTOF application training course, Bruker Daltonics (Dr. Jessica Schmidt), 5-7 September 2023, Laboratory of Organic Micropollutants, EYDAP SA, Menidi, Greece.
<i>Aug 2023</i>	3rd International Summer School on Non-Targeted Metabolomics Data Mining for Biomedical Research, Statens Serum Institut, Copenhagen, 21-25 August 2023
<i>Aug 2022</i>	2nd International Summer School on Non-Targeted Metabolomics 2022, 22-26 August, Tuebingen, Germany, Organized by Tuebingen University (Dr. Daniel Petras).
<i>May 2022</i>	“Advanced GC-MS techniques for analysis of water Taste & Odor”, Organized by the Leibniz Institute for Food Systems Biology at the Technical Univ. of Munich (LSB) and WaterTOP COST Action 18225 on 3-5 May 2022 in Freising, Germany.
<i>April 2022</i>	“MetaboScape© software for metabolomics with LC-qToF”, Organized by Bruker Daltonics on 26-27 April 2022 (virtual).
<i>Feb 2022</i>	“TargetScreener©” platform for LC-qToF”, Organized by Bruker Daltonics on 15-17 February 2022 (virtual).
<i>Mar 2021</i>	“Introduction to the GNPS Ecosystem – Tools, Visualizations and Data” Virtual Course by Dr. Ming Wang (UCSD and Ometa Labs), Organized by the UC Davis West Coast Metabolomics Center on 31 March 2021.
<i>Sep 2017</i>	“Introduction to Remote Sensing for Harmful Algal Blooms”, Organized by NASA-ARSET, Trainers: Sherry Palacios, Amita Mehta. Certification of Completion. Sep 5 – Sep 26 1017.
<i>June 2016</i>	“Training Course in Gas Chromatography - Mass Spectrometry (GC-TQ)”, Organized by Bruker Daltonics (Instructor: Dr. Rafaela Martin), 14-15 June 2016, EYDAP laboratories, Athens, Greece.
<i>May 2015</i>	“BMAA Analysis Training School & Workshop”, Organized by CYANOCOST and Wageningen University, 18-22 May 2015, Wageningen, The Netherlands.
<i>Dec 2014</i>	“Project Management Fundamentals: Processes & Techniques”, PLAS-EYDAP, 1-16 December 2014 (33 hours), Athens.

<i>Dec 2014</i>	“LEAN SIX SIGMA for all” Seminar and Workshop, organized by ASQ LMC Greece, hosted by Information Society SA at General Secretariat for Information Systems, 2-3 December 2014, Athens.
<i>Jun 2009</i>	Methods in Micro-Nano Technology and Nanobiotechnology, NCSR Demokritos, Summer School, 22-26 June 2009.
<i>Jul 2008</i>	Training in LC-MS/MS and ELISA methods for the determination of water pollutants. US Environmental Protection Agency (EPA), Cincinnati, Ohio, USA
<i>Apr 2007</i>	LC/MS/MS training. a. Rigas Labs – 5 days. b. Laboratory of Catalytic - Photocatalytic Processes (Solar Energy – Environment), NCSR “Demokritos” – 5 days.
<i>Mar 2007</i>	Laboratory methods for the analysis of cyanotoxins in water (HPLC, LC/MS/MS and biochemical methods). Department of Biochemistry & Pharmacy, Abo Akademi University, Turku, Finland – 9 days.
<i>Mar - Jun 2002</i>	“Project Management with Primavera Software” KEK EYDAP SA - 150 hrs
<i>Dec 2001</i>	“Foundation Course in Environmental Auditing” Integra Environmental SA – 40 hrs
<i>Jun 2001</i>	“QMS Auditor – Lead Auditor (ISO 9001:2000)”, IRCA Registered Rowe Parker Associates – 40 hrs.
<i>Apr 2001</i>	“Quality Function Deployment – QFD” Eco-Q, 8hrs
<i>Dec 2000</i>	“Uncertainty of Measurement for Testing and Calibration Laboratories in association with ISO/IEC 17025” United Kingdom Accreditation Service (UKAS), 16 hrs
<i>Jul 2000</i>	“Laboratory Accreditation” Bureau Veritas, 8 hrs
<i>Jun 1994</i>	“ HPLC and GC/MS applications in Environmental Analysis” Analytiki SA, 16 hrs.
<i>May – Aug 1993</i>	“Radiation Chemistry, Chemical Kinetics and Analytical Techniques” On the job training, Beer-Sheva University and the Hebrew University of Jerusalem, Israel.
<i>Sep 1992</i>	“Modern techniques for the treatment of drinking and waste water” Ecole Polytechnique Fédérale de Lausanne, Switzerland – 40 hrs.
<i>Sep1991– Jun1992</i>	Graduate School Institute of Physical Chemistry, NCSR Demokritos

6. Research projects (funded)

a. Coordinator, PI:

1. **Chair, COST Action CA 18225 WaterTOP** - “Taste and Odor in early diagnosis of source and drinking Water Problems”, 10/2019 – 10/2023 , www.watertopnet.eu
<https://www.cost.eu/actions/CA18225/#tabs|Name:overview>
2. **Chair, COST Action ES 1105 “CYANOCOST** - Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management”, 2012-2016, (approx. 600 k€) www.cyanocost.net
3. **Principal Investigator, National Project “PAVET 2005”** – “Development of an Integrated System for the Monitoring of Cyanotoxins in Surface and Treated Waters by Advanced Analytical Techniques”. EYDAP SA, 2005-2007 (approx. 250 k€).

b. Company Mentor:

1. **“From source to tap: risk assessment of organic pollutants in the drinking water cycle of Athens”**. Post-Doctoral Fellowship (Fellow: Dr. Christophoros Christophoridis), Catalytic-Photocatalytic Processes and Environmental Analysis Laboratory (Scientific Mentor: Dr Anastasia Hiskia), Industrial Fellowships Program 2017, NCSR Demokritos

c. Member of research groups & networks:

1. **Cyanoaction** – Effective Lake management: reducing cyanobacteria by actions in the catchment (CA23160). Management Committee member (Greece) and WG1-WG4 member.
<https://cyanoaction.eu/>
2. **“CO₂ Bioproducts** – Bioconversion of CO₂ into high added value bioproducts through sustainable microalgae cultivation processes”. Co-financed by the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH - CREATE - INNOVATE (project code: T1EDK-02681). Coordinated by Prof. Costas Kiparissides, CERTH.
3. **“CYANOWATER** - Cyanotoxins in Fresh Waters, Advances in Analysis, Occurrence and Treatment”, 2012-2015, General Secretariat for Research and Technology (GSRT) - Greek Ministry of Education, Action “EXCELLENCE” (ARISTEIA I), Coordinated by Dr. Anastasia Hiskia, NCSR Demokritos, Greece.
4. **EUALGAE**-The European Network for Algal Bioproducts – COST Action ES 1408, Member of Working Groups WG 3 “Refining microalgae into its value components” and WG 4 “Valorisation of intermediates and sub-products” (2015-2019). <http://eualgae.eu/>
5. **“AOP-Nanomat:** Development of Advanced Oxidation Processes (AOPs) with the use of nanomaterials and sunlight, for the removal of various organic toxic micropollutants, endocrine disrupters and cyanotoxins from natural waters and sewages”, 2012-2015, The Operational Programme "Education and Lifelong Learning", Action “THALIS”, Coordinated by Prof. T. Albanis, Univ. of Ioannina, Greece.
6. **“Nutrition Strategy:** Strengthening of research infrastructure and development of know-how for the Greek diet” 1998-2001, EU funded project, coordinated by Prof. A. Trichopoulou, Athens School of Public Health.
7. “Improvement of industrial production of dry sausages with use of starter cultures” GSRT EPET II Project, 1997-2000, coordinated by Prof. J. Metaxopoulos, Agricultural University of Athens.

7. Publications

7.1. Dissertations

1. **T. Kaloudis** (1995), “Effect of iron salts on the destruction of phenolic pollutants in water with use of gamma radiation” Ph.D. Thesis, National and Kapodistrian University of Athens.
2. **T. Kaloudis** (2003), “Measuring Quality in Business-to-Business Services: The Case of a Certification Body”, M.Sc. Thesis, University of Paisley (University of the West of Scotland).

7.2. Book chapters

1. **T. Kaloudis** (2021), Cyanobacterial Taste & Odour Compounds in Water. n: Chorus I, Welker M; eds: Toxic Cyanobacteria in Water, 2nd edition, pp. 149-155, CRC Press, Boca Raton (FL), on behalf of the World Health Organization, Geneva, CH.

<https://www.who.int/publications/m/item/toxic-cyanobacteria-in-water---second-edition>

2. Carlos J. Pestana, Linda A. Lawton, **Triantafyllos Kaloudis** (2020). Removal and/or Destruction of Cyanobacterial Taste and Odour Compounds by Conventional and Advanced Oxidation Processes. In *Water Treatment for Purification from Cyanobacteria and Cyanotoxins* (eds A.E. Hiskia, T.M. Triantis, M.G. Antoniou, T. Kaloudis and D.D. Dionysiou). <https://doi.org/10.1002/9781118928677.ch8>
3. Caixach, J., Flores, C., Spoo, L., Meriluoto, J., Schmidt, W., Mazur-Marzec, H., Hiskia, A., **Kaloudis, T.**, & Furey, A. (2016). Liquid Chromatography–Mass Spectrometry *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 218-257): Edited by J. Meriluoto, L. Spoo and G. A. Codd, 2017, pp. 196-201, John Wiley & Sons. ISBN: 978-1-119-06868-6. John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch23>
4. Cerasino, L., Meriluoto, J., Bláha, L., Carmeli, S., **Kaloudis, T.**, & Mazur-Marzec, H. (2016). Extraction of Cyanotoxins from Cyanobacterial Biomass. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 350-353): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch38>
5. Hiskia, A., Spoo, L., **Kaloudis, T.**, & Meriluoto, J. (2016). Determination of Cyanotoxins by High-Performance Liquid Chromatography with Photodiode Array. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 203-211): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch21>
6. **Kaloudis, T.**, Triantis, T. M., & Hiskia, A. (2016a). Basic Validation Protocol for the Analysis of Cyanotoxins in Environmental Samples. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 481-485): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch61>
7. **Kaloudis, T.**, Triantis, T. M., & Hiskia, A. (2016b). Determination of Geosmin and 2-Methylisoborneol in Water by HS-SPME-GC/MS. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 469-474): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch59>
8. **Kaloudis, T.**, Triantis, T. M., & Hiskia, A. (2016c). Quantitative Screening of Microcystins and Nodularin in Water Samples with Commercially Available ELISA Kits. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 390-392): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch45>
9. **Kaloudis, T.**, Triantis, T. M., & Hiskia, A. (2016d). Quantitative Screening of Microcystins and Nodularin in Water Samples with Commercially Available PPIA Kits. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 393-395): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch46>
10. **Kaloudis, T.**, Triantis, T. M., & Hiskia, A. (2016e). Taste and Odour Compounds Produced by Cyanobacteria. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 196-201): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch20>
11. Metcalf, J. S., Hiskia, A., & **Kaloudis, T.** (2016). Protein Phosphatase Inhibition Assays. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 267-271): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch26>
12. Svirčev, Z., Drobac, D., Tokodi, N., Đenić, D., Simeunović, J., Hiskia, A., **Kaloudis, T.**, Mijović, B., Šušak, S., Protić, M., Vidović, M., Onjia, A., Nybom, S., Važić, T., Malešević, T. P., Dulić, T., Pantelić, D., Vukašinović, M., & Meriluoto, J. (2016). Lessons from the Užice Case. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 298-308): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch31>

13. Triantis, T. M., **Kaloudis, T.**, & Hiskia, A. (2016a). Determination of Anatoxin-a in Filtered and Drinking Water by LC-MS/MS. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 408-412): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch50>
14. Triantis, T. M., **Kaloudis, T.**, & Hiskia, A. (2016b). Determination of Cylindrospermopsin in Filtered and Drinking Water by LC-MS/MS. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 399-404): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch48>
15. Triantis, T. M., **Kaloudis, T.**, & Hiskia, A. (2016c). Method Validation Guidelines for the Analysis of Cyanotoxins. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 285-291): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch29>
16. Triantis, T. M., **Kaloudis, T.**, & Hiskia, A. (2016d). Solid-Phase Extraction of Anatoxin-a from Filtered and Drinking Water. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 405-407): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch49>
17. Triantis, T. M., **Kaloudis, T.**, & Hiskia, A. (2016e). Solid-Phase Extraction of Cylindrospermopsin from Filtered and Drinking Water. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 396-398): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch47>
18. Triantis, T. M., **Kaloudis, T.**, Zervou, S.-K., & Hiskia, A. (2016a). Determination of Microcystins and Nodularin in Filtered and Drinking Water by LC-MS/MS. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 372-378): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch42>
19. Triantis, T. M., **Kaloudis, T.**, Zervou, S.-K., & Hiskia, A. (2016b). Solid-Phase Extraction of Microcystins and Nodularin from Drinking Water. *Handbook of Cyanobacterial Monitoring and Cyanotoxin Analysis* (pp. 354-357): John Wiley & Sons, Ltd. <http://dx.doi.org/10.1002/9781119068761.ch39>
20. Hiskia, A., Triantis, T. M., Antoniou, M. G., de la Cruz, A. A., O'Shea, K., Song, W., Fotiou, T., **Kaloudis, T.**, He, X., Andersen, J., & Dionysiou, D. D. (2014). Transformation Products of Hazardous Cyanobacterial Metabolites. In *Water Transformation Products of Emerging Contaminants in the Environment* Ed. D. Lambropoulou, L. Nolle (pp. 675-708): John Wiley and Sons Ltd. <http://dx.doi.org/10.1002/9781118339558.ch23>
21. Antoniou, M., A. Delacruz, M. Pelaez, C. Han, X. He, D. Dionysiou, W. Song, K. O'Shea, L. Ho, G. Newcombe, M. Dixon, M. Teixeira, T. Triantis, A. Hiskia, **T. Kaloudis**, R. Balasubramanian, S. Pavagadhi, and V. Sharma (2014). Practices that Prevent the Formation of Cyanobacterial Blooms in Water Resources and remove Cyanotoxins during Physical Treatment of Drinking Water. Chapter 2, in *Comprehensive Water Quality and Purification (WAQP)*, Vol. 2 "Assuring Purity of Drinking Water" Editor: S. Ahuja, Elsevier, ISBN: 978-0-12-382182-2 (pp. 173-195). <https://www.elsevier.com/books/comprehensive-water-quality-and-purification/ahuja/978-0-12-382182-9>
22. Pelaez, M., Antoniou, M. G., He, X., Dionysiou, D. D., de la Cruz, A. A., Tsimeli, K., Triantis, T., Hiskia, A., **Kaloudis, T.**, Williams, C., Aubel, M., Chapman, A., Foss, A., Khan, U., O'Shea, K. E., & Westrick, J. (2010). Sources and Occurrence of Cyanotoxins Worldwide. In D. Fatta-Kassinos, K. Bester & K. Kümmerer (Eds.), *Xenobiotics in the Urban Water Cycle: Mass Flows, Environmental Processes, Mitigation and Treatment Strategies* (pp. 101-127). Dordrecht: Springer Netherlands. https://doi.org/10.1007/978-90-481-3509-7_6

7.3. Peer-reviewed papers and pre-prints.

1. Helena Mannocho-Russo, Wilhan D Goncalves Nunes, Shipei Xing, Fernanda de Oliveira, Andres Mauricio Caraballo-Rodriguez, Paulo Wender Portal Gomes, Vincent Charron-Lamoureux, Julius Agongo, Nicole E Avalon, Tammy Bui, Lucia Cancelada, Marc G Chevrette, Andres Cumsille, Moyses B de Araujo Jr, Marilyn De Graeve, Victoria Deleray, Mohamed S Donia, Mutsawashe B Dzvetva, Yasin El Abiead, Ronald J Ellis, Donald Franklin Jr, Neha Garg, Harsha Gouda, Claude Y Hamany Djande, Anastasia Hiskia, Benjamin N Ho, Chambers C Hughes, Sunghoon Hwang, Sofia Iliakopoulou, Jennifer E Iudicello, Alan K Jarmusch, **Triantafyllos Kaloudis**, Irina Koester, Robert Konkel, Hector HF Koolen, Kine Eide Kvitne, Sabina Leanti La Rosa, Anny Lam, Santosh Lamichhane, Motseoa Lephatsi, Scott Letendre, Sarolt Magyari, Hanna Mazur-Marzec, Daniel McDonald, Ipsita Mohanty, Monica Monge-Loria, David J Moore, Thiago Andre Moura Veiga, Musiwalo S Mulaudzi, Lerato Nephali, Griffith Nguyen, Martin Orsagh, Abubaker Patan, Tomas Pluskal, Phillip B Pope, Livia Soman de Medeiros, Paolo Stincone, Andrej Tekel, Sydney Thomas, Ralph R Torres, Shirley M Tsunoda, Fidele Tugizimana, Martijn van Faassen, Felipe Vasquez-Castro, Giovanni A Vitale, Berenike C Wagner, Crystal X Wang, Sevasti-Kiriaki Zervou, Haoqi Nina Zhao, Simone Zuffa, Daniel Petras, Laura-Isobel McCall, Rob Knight, Mingxun Wang, Pieter C Dorrestein. (2026). Community Curation of Microbial Metabolites Enables Biological Insights of Metabolomics Data. bioRxiv 2026.01.24.701521; <https://doi.org/10.64898/2026.01.24.701521>
2. Sofia Iliakopoulou, Theodoros M Triantis, Maria Antonopoulou, et al. Effects of UVC/H₂O₂ on dissolved organic matter derived from a cyanobacterial bloom. ChemRxiv. 04 March 2026. <https://doi.org/10.26434/chemrxiv.15000597/v1>
3. Iliakopoulou S, Triantis TM, Antonopoulou M, Edwards C, Lawton LA, Vitale GA, Shah AKP, Petras D, Hiskia A. **Kaloudis T**. Elucidating Transformation Pathways of Microcystins during Advanced Oxidation/Reduction Processes for Water Treatment. ChemRxiv. 2025; <https://doi.org/10.26434/chemrxiv-2025-q4xh3>
4. Paraskevopoulou, A.; Mall, V.; Triantis, T.M.; **Kaloudis, T.**; Hiskia, A.; Dimotikali, D.; Steinhaus, M. Deciphering Important Odorants in a Spirulina (*Arthrospira platensis*) Dietary Supplement by Aroma Extract Dilution Analysis Using Offline and Online Fractionation Approaches. *Int. J. Mol. Sci.* **2025**, *26*, 6767. <https://doi.org/10.3390/ijms26146767>
5. Hanna Mazur-Marzec, Michał Grabski, Robert Konkel, Marta Cegłowska, Zuzanna Cyske, Lidia Gaffke, Łukasz Grabowski, Anastasia Hiskia, Marek Kajs, **Triantafyllos Kaloudis**, Agnieszka Napiórkowska-Krzebietke, Karolina Pierzynowska, Estera Rintz, Sofia Iliakopoulou, Semko Walat, Sevasti-Kiriaki Zervou, Monika Zielenkiewicz, Grzegorz Węgrzyn. Genetic, metabolic and toxicological diversity within *Prymnesium parvum* (Haptophyte) from Polish waterbodies, *Water Research*, Volume 282, 2025, 123744, <https://doi.org/10.1016/j.watres.2025.123744>
6. Frantisek Kozisek, Ingrid Chorus, Emanuela Testai, **Triantafyllos Kaloudis**, Reyhan Akcaalan, Meriç Albay, Martin Steinhaus, Magdalena Ujevic Bosnjak, Andreas Dunkel, Anastasia Hiskia, Maura Manganelli, Simona Scardala, David Spiteri, Theodoros Triantis; Incorporating taste and odour problems in water safety plans. *J Water Health* 1 October 2024; 22 (10): 1857–1873. <https://doi.org/10.2166/wh.2024.166>
7. Paraskevopoulou, A.; **Kaloudis, T.**; Hiskia, A.; Steinhaus, M.; Dimotikali, D.; Triantis, T.M. Volatile Profiling of Spirulina Food Supplements. *Foods* **2024**, *13*, 1257. <https://doi.org/10.3390/foods13081257>

8. Maria Antonopoulou, Anna Tzamaría, Marta F.F. Pedrosa, Ana R.L. Ribeiro, Adrián M.T. Silva, **Triantafyllos Kaloudis**, Anastasia Hiskia, Dimitris Vlastos (2024). Spirulina-based carbon materials as adsorbents for drinking water taste and odor control: Removal efficiency and assessment of cyto-genotoxic effects. *Science of The Total Environment*, Volume 927,172227. <https://doi.org/10.1016/j.scitotenv.2024.172227>
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10. Tim Piel, Giovanni Sandrini, Erik F.J. Weenink, Hongjie Qin, Maria J. van Herk, Mariël Léon Morales-Grooters, J. Merijn Schuurmans, Pieter C. Slot, Geert Wijn, Jasper Arntz, Sevasti-Kiriaki Zervou, **Triantafyllos Kaloudis**, Anastasia Hiskia, Jef Huisman, Petra M. Visser (2024). Shifts in phytoplankton and zooplankton communities in three cyanobacteria-dominated lakes after treatment with hydrogen peroxide. *Harmful Algae*, Volume 133, 102585, <https://doi.org/10.1016/j.hal.2024.102585> .
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composition and flavonoid content of edible wild greens and green pies: a potential rich source of antioxidant nutrients in the Mediterranean diet. *Food Chemistry*, 70(3), 319-323. [https://doi.org/10.1016/S0308-8146\(00\)00091-1](https://doi.org/10.1016/S0308-8146(00)00091-1)

7.4. Conferences

7.4.1 Invited talks

1. **Triantafyllos Kaloudis** (2025). Unveiling the chemical diversity of cyanobacteria through mass spectrometry-based metabolomics. 42nd International Conference of the Polish Phycological Society, Bialystok, Poland, 27-30 May 2025.
2. **Triantafyllos Kaloudis** (2025). Mass spectrometry-based non-targeted metabolomics in aquatic environments. Benefits and challenges. One-Blue (Horizon-CL6-2023-ZeroPollution-01-2) Annual Meeting, 28-29 January 2025.
3. **Triantafyllos Kaloudis** (2022). Seasonal geosmin production from benthic cyanobacteria in a freshwater canal, with implications for drinking water supplies. US EPA Benthic HABs Discussion Group Webinar, 8 Feb 2022.
4. **Triantafyllos Kaloudis** (2021). Taste & odor compounds with negative effects on water quality; from detection to treatment. Istanbul University, Faculty of Aquatic Sciences, 11 May 2021
5. **Triantafyllos Kaloudis** (2021). Cyanobacterial metabolites with relevance to water quality; cyanotoxins, cyanopeptides and volatiles. European Algae Biomass Association (EABA), July 8, 2021 (virtual).
6. **Triantafyllos Kaloudis** (2021). Cyanobacterial metabolites with negative effects on water quality; cyanotoxins and taste & odor compounds. Seminar Series "The Engineer in Society", University of Cyprus, 14 April 2021.
7. **Triantafyllos Kaloudis**, Christos Avagianos, Theodoros T.M. Triantis, Maria Antonopoulou, Christophoros Christophoridis, Anastasia Hiskia (2018). Algal Taste & Odor compounds: Advanced methods for detection and control. 18th International Conference on Harmful Algae (ICHA), 21-26 October, Nantes, France.
8. **Triantafyllos Kaloudis**, Sevasti Zervou, Christos Avagianos, Theodoros Triantis, Maria Antonopoulou, Christophoros Christophoridis, Anastasia Hiskia (2018). "Cyanobacterial toxins and taste & odor compounds in water; advances in detection and control", Pharmacy and Life Sciences School, Robert Gordon University, Aberdeen, 17 November 2018.
9. **Triantafyllos Kaloudis**, Sevasti-Kiriaki Zervou, Christos Avagianos, Christophoros Christophoridis, Theodoros M. Triantis, Anastasia Hiskia, Jutta Fastner, Joseph Cotruvo, Dragan Isailovic (2017). "Evolution of analytical methods for regulatory monitoring of microcystins: Are we there yet?" 6th International Symposium "Marine and Freshwater Toxins Analysis", Organized by the University of Vigo, 22-25 October 2017, Baiona, Spain.
10. **Triantafyllos Kaloudis** (2017). "Strategies for the Analysis of Volatile and Odorous Cyanobacteria Compounds in Water". 2nd International Water & Health Congress, Organized by the Ministry of Health Public Health Institution of Turkey, Karadeniz Technical University, Istanbul University and Erciyes University February 13-17, Antalya, Turkey.
11. **Triantafyllos Kaloudis** (2014). "Laboratory methods for the analysis of cyanotoxins in water", in "Water Challenges of the Future: Cyanobacteria and Human Health" Conference Organized by the University of Novi-Sad, Belgrade, 24 March 2014.

12. **Triantafyllos Kaloudis** (2014), "CYANOCOST: An International Network for Cyanobacteria and Cyanotoxins in Water Resources - COST Action ES1105" in COST Info Day Greece, Organized by the COST Association, 25 February 2014, Athens.
13. **Triantafyllos Kaloudis** (2013). "Cyanobacterial Blooms and Toxins in Water Resources: Occurrence, Impacts and Management", Joint COST–WssTP Strategic Conference, 16-18 April, Brussels.

7.4.2 Conference Proceedings and Abstracts

1. Sofia Iliakopoulou, Sevasti-Kiriaki Zervou, Angelika-Ioanna Gialleli, Theodoros M. Triantis, Anastasia Hiskia, Judita Koreivienė, Jūratė Karosienė, Hanna Mazur-Marzec, Robert Konkel, Luciana Tartaglione, Valentina Miele, Maria-Elisabeta Collaro, **Triantafyllos Kaloudis**. Detection of Structurally Diverse Cyanopeptides in Environmental Samples Using Mass Spectrometry Query Language (MassQL) – the Case of Microcystins. 43rd International Conference of the Polish Phycological Society, 24-28 May 2026, Warsaw, Poland.
2. Angelika-Ioanna Gialleli, Sofia Iliakopoulou, Anastasia Kagiara, Phani Miskaki and **Triantafyllos Kaloudis**. Non-Targeted Analysis Based on High-Resolution Mass Spectrometry for the Simultaneous Detection of Cyanotoxins and Synthetic Emerging Pollutants in Water Reservoirs. SETAC Europe 36th Annual Meeting, 17-21 May 2026, Maastricht, the Netherlands.
3. Sevasti-Kiriaki Zervou, **Triantafyllos Kaloudis**, Spyros Gkelis, Theodoros Triantis, Anastasia Hiskia. Chemodiversity of Microginins and Aeruginosins in Greek Freshwater Bodies: Elucidation of Novel Linear Peptides. SETAC Europe 36th Annual Meeting, 17-21 May 2026, Maastricht, the Netherlands.
4. Sofia Iliakopoulou, Sevasti-Kiriaki Zervou, Angelika-Ioanna Gialleli, Theodoros Triantis, Anastasia Hiskia, **Triantafyllos Kaloudis**. Mass Spectrometry Query Language (MassQL) - Driven Pipeline for Comprehensive Detection of Structurally Diverse Cyanopeptides in Environmental Datasets. SETAC Europe 36th Annual Meeting, 17-21 May 2026, Maastricht, the Netherlands.
5. Judita Koreivienė, Daiva Burokienė, Dovilė Čepukoit, Jūratė Karosienė, Karina Šmeliova, Jūratė Kasperovičienė, Sofia Iliakopoulou, Angelika-Ioanna Gialleli, Anastasia Hiskia, **Triantafyllos Kaloudis**. Bioprospecting Microcystis-Dominated Toxic Biomass For Valuable Compounds and Biopesticidal Activity. SETAC Europe 36th Annual Meeting, 17-21 May 2026, Maastricht, the Netherlands.
6. Eleni Aidini, Sevasti-Kiriaki Zervou, **Triantafyllos Kaloudis**, Christine Edwards, Linda A. Lawton, Dimitris Kletsas, Maria Antonopoulou, Theodoros Triantis, Anastasia Hiskia. Profiling the Metabolomic Response of *Microcystis aeruginosa* PCC7806 to UV-A and UV-B Irradiation Stress. SETAC Europe 36th Annual Meeting, 17-21 May 2026, Maastricht, the Netherlands.
7. **Triantafyllos Kaloudis**, Sevasti-Kiriaki Zervou, Sofia Iliakopoulou, Eleni Aidini, Angelika-Ioanna Gialleli, Theodoros Triantis, Anastasia Hiskia (2025). Mass spectrometry-based metabolomics reveal cyanobacteria metabolic profiles under environmental and stress conditions. *Metabolomics 2025 – 21st Annual Conference of the Metabolomics Society*, 22-26 June 2015, Prague, Czech Republic.
8. Sofia Iliakopoulou, Giovanni Andrea Vitale, Abzer K. Pakkir Shah, Daniel Petras, Maria Antonopoulou, Anastasia Hiskia, **Triantafyllos Kaloudis** (2025). Effects of hydroxyl radicals (H₂O₂/UVC) on natural organic matter from a cyanobacterial bloom. 13th International Conference on Toxic Cyanobacteria – ICTC13, 4-8 May 2025, Chania, Greece.

9. Alina Gialleli, Sofia Iliakopoulou, Athanasios Goulas, Nikolaos Deftereos, Phani Miskaki, **Triantafyllos Kaloudis** (2025). One-step solid phase extraction method for simultaneous targeted and untargeted analysis of cyanotoxins and other micropollutants in water samples. 13th International Conference on Toxic Cyanobacteria – ICTC13, 4-8 May 2025, Chania, Greece.
10. Ioannis Kontogiannis, Sofia Iliakopoulou, Angelika-Ioanna Gialleli, Sevasti-Kiriaki Zervou, Dimitrios G. Karpouzas, Nikolaos Deftereos, Phani Miskaki, Anastasia Hiskia, **Triantafyllos Kaloudis** (2025). Cyano-metabolites in Lake Marathonas (Greece) by LC-MS untargeted analysis and molecular networking in GNPS. 13th International Conference on Toxic Cyanobacteria – ICTC13, 4-8 May 2025, Chania, Greece.
11. Eleni Aidini, Sevasti - Kiriaki Zervou, **Triantafyllos Kaloudis**, Christine Edwards, Linda Lawton, Theodoros Triantis, Dimitris Kletsas, Maria Antonopoulou, Anastasia Hiskia (2025). A metabolomics approach to investigate the responses of *Microcystis aeruginosa* to UV-B stress. 13th International Conference on Toxic Cyanobacteria – ICTC13, 4-8 May 2025, Chania, Greece.
12. Maura Manganelli, Gloria Bianchi, Isabella Marcucci, Sofia Iliakopoulou, **Triantafyllos Kaloudis**, Simona Scardala, Emanuela Testai (2025). Cyanotoxins pool size in cyanobacteria exposed to sub-lethal antibiotics concentrations. 13th International Conference on Toxic Cyanobacteria – ICTC13, 4-8 May 2025, Chania, Greece.
13. Sevasti-Kiriaki Zervou, Irini Dousi, **Triantafyllos Kaloudis**, Theodoros M. Triantis, Anastasia Hiskia (2025). Cyanobacterial toxins and peptides in Lakes Vegoritis and Great Prespa, Greece. 13th International Conference on Toxic Cyanobacteria – ICTC13, 4-8 May 2025, Chania, Greece.
14. Sofia Iliakopoulou, Angelika-Ioanna Gialleli, Giovanni Andrea Vitale, Abzer Pakkir Mohamed Shah, Daniel Petras, Anastasia Hiskia, **Triantafyllos Kaloudis** (2024). Targeted and untargeted mass spectrometry workflows in studies of aquatic microbial metabolism: A focus on cyanobacteria. PHOENIX COST ACTION CA19123 Protection, Resilience, Rehabilitation Of Damaged Environment, Final Conference, Naples, Villa Doria d'Angri, 4-5 July 2024
15. Sofia Iliakopoulou, Sevasti-Kiriaki Zervou, Theodoros M. Triantis, Anastasia Hiskia, **Triantafyllos Kaloudis** (2023). Feature-based molecular networking and in silico structure annotation/classification of LC-HRMS data unfold the chemodiversity of cyanobacteria in environmental samples. Global NEST International Conference on Environmental Science & Technology, Athens, Greece. <http://dx.doi.org/10.30955/gnc2023.00128>
16. Sofia Iliakopoulou, Theodoros M. Triantis, Maria Antonopoulou, Christine Edwards, Linda Lawton, Anastasia Hiskia, **Triantafyllos Kaloudis** (2023). Transformation products of microcystin-RR with reactive species produced by radiolysis of water. Global NEST International Conference on Environmental Science & Technology, Athens, Greece. <http://dx.doi.org/10.30955/gnc2023.00012>
17. **Triantafyllos Kaloudis**, Angelika-Ioanna Gialleli, Aikaterina Paraskevopoulou, Theodoros Triantis, Anastasia Hiskia, Nikos Deftereos, Phani Miskaki (2022). Non-targeted workflows for the analysis of water Taste & Odor by GC-MS. Metrologia 2022 – 8th Metrology Conference, Organized by HellasLab and the Department of Chemistry of the Aristotle University of Thessaloniki, 1-2 July 2022.
18. Manthos Panou, Maria Kroustallaki, Dimitris Pappas, Sevasti - Kiriaki Zervou, Emmanuel Panteris, **Triantafyllos Kaloudis**, Anastasia Hiskia, Spyros Gkelis (2022). A Greek Raphidiopsis raciborskii strain and Microcystins: A toxic relationship. 12th International Conference on Toxic Cyanobacteria ICTC12, 22-27 May 2022, Toledo, USA.
19. Sevasti - Kiriaki Zervou, **Triantafyllos Kaloudis**, Simon Godin, Spyros Gkelis, Joanna Szpunar, Ryszard Lobinski, Anastasia Hiskia (2022). Analytical workflow integrating LC-HRMS untargeted

analysis and CyanoMetDB for fast and extensive detection of cyanobacterial metabolites. 12th International Conference on Toxic Cyanobacteria ICTC12, 22-27 May 2022, Toledo, USA.

20. Noura Alice Hammoud, Sevasti-Kiriaki Zervou, **Triantafyllos Kaloudis**, Aikaterina Paraskevopoulou, Christophoros Christophoridis, Theodoros M. Triantis, Anastasia Hiskia, Joanna Szpunar, Kamal Slim, Ryszard Lobinski (2021). Investigation on the occurrence of cyanobacterial secondary metabolites in Lebanese lake Karaoun using mass spectrometry and molecular techniques. SETAC Europe 2021 (virtual).
21. A. Paraskevopoulou, **T. Kaloudis**, A. Hiskia, T.M. Triantis (2021). Determination of volatile compounds in Spirulina food supplements using HS-SPME– GC/MS. 12th International Conference on “Instrumental Methods of Analysis” (IMA-2021), Organized by AUTH & NTUA, 20-23 September 2021.
22. S.-K. Zervou, Simon Godin, N. A. Hammoud, **T. Kaloudis**, A. Hiskia, J. Szpunar and R. Lobinski (2021). Untargeted analysis of cyanobacterial metabolites in lake Karaoun, Lebanon by LC-HRMS with CyanoMetDB. 12th International Conference on “Instrumental Methods of Analysis” (IMA-2021), Organized by AUTH & NTUA, 20-23 September 2021.
23. A. Paraskevopoulou, **T. Kaloudis**, A. Hiskia and T.M. Triantis (2021). Optimized methods for the extraction of C-phycoyanin and b-carotene from *Arthrospira spp.* (Spirulina) and their application to microalgae isolated from freshwaters of Greece. 12th International Conference on “Instrumental Methods of Analysis” (IMA-2021), Organized by AUTH & NTUA, 20-23 September 2021.
24. Sevasti – Kiriaki Zervou, **Triantafyllos Kaloudis**, Spyros Gkelis, Anastasia Hiskia and Hanna Mazur-Marzec (2020). Characterization of new anabaenopeptins from cyanobacteria of Greek lakes. Natural Toxins and Drinking Water Quality - From Source to Tap (NaToxAq) Conference (virtual), 2 October 2020, University of Copenhagen.
25. C. Christophoridis, M.-F. Touloupia, **T. Kaloudis**, E. Bizani, N. Thomaidis, A. Hiskia (2020). Degradation of cylindrospermopsin in water using ultrasonication: role of reactive radical species. Natural Toxins and Drinking Water Quality - From Source to Tap (NaToxAq) Conference (virtual), 2 October 2020, University of Copenhagen.
26. **Triantafyllos Kaloudis**, Christos Avagianos, Sevasti-Kiriaki Zervou, Anastasia Hiskia, Maria van Herk, Petra Visser, Manthos Panou, Spyros Gkelis, Nikolaos Deftereos, Phani Miskaki (2020). Seasonal geosmin production from benthic cyanobacteria in a freshwater canal, with implications for drinking water supplies. SETAC SciCon, Europe 30th Annual Meeting (online).
27. Pappas D., Adamakis S. I.-D., Gkelis S., **Kaloudis T.**, Panteris E. (2019). Preliminary observations on the effects of cyanobacterial Volatile Organic Compounds (VOCs) on *Arabidopsis thaliana*. 16th National Conference of the Hellenic Botanical Society, Athens, Greece.
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29. C. Christophoridis, M.-F. Touloupi, **T. Kaloudis**, T. Triantis, A. Hiskia (2019). Influence of operating parameters on the sonolytic degradation efficiency of model compound 2,4-dichlorophenol. 17th International Conference on Chemistry & the Environment ICCE, Thessaloniki, Greece.
30. Nikolopoulou V.I., Nika M.C., Aalizadeh R., Miskaki P., **Kaloudis T.**, Deftereos N., Avagianos C. and Thomaidis N. (2019). Determination of Emerging Contaminants in Surface Water Resources of EYDAP following wide-scope Target and Non-Target Screening. 15th International Conference

on Environmental Science and Technology CEST, Rhodes, Greece, 31 August to 2 September 2017.

31. Theodoros Triantis, **Triantafyllos Kaloudis**, Anastasia Hiskia (2019). Evaluation of Photocatalytic Materials for Water Purification: Overview of the New CEN Standard Test. 15th International Conference on Environmental Science and Technology CEST, Rhodes, Greece, 31 August to 2 September 2017.
32. Christophoridis C., Pestana C.J., **Kaloudis T.**, Lawton L., Hiskia A. (2019). Radiation-induced degradation products of 2-methylisoborneol and geosmin: the role of different reactive species. 15th International Conference on Environmental Science and Technology CEST, Rhodes, Greece, 31 August to 2 September 2017.
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34. Aldo Aquino Cruz, Daniela Melissa Torres Calderón, Sevasti-Kiriaki Zervou, **Triantafyllos Kaloudis**, Anastasia Hiskia, Carmen Paulina López Rodríguez, Oralia Nájera Medina, Celia María Bulit Gámez (2019). Cianoprocariotas cocoides y su influencia en la cianotoxicidad en un lago hipereutrófico de la Ciudad de México durante el 2018. V Congreso Nacional de la SOMEFAN 2019, 23-27 Septiembre 2019, Centro Universitario de la Costa, Puerto Vallarta, Mexico.
35. L. Tartaglione, F. Varriale, C.O Miles, S.-K. Zervou, H. Mazur-Marzec, A. Hiskia, **T. Kaloudis**, C. Dell'Aversano (2019). LC-HRMSⁿ versus LC-tandem-MS: a comparative approach for the identification of cyanotoxins in cyanobacterial biomass. 11th International Conference on Toxic Cyanobacteria (ICTC11), 5-10 May 2019, Krakow, Poland.
36. S.-K. Zervou, M. Krokidis, C. Christophoridis, T.M. Triantis, **T. Kaloudis**, A. Hiskia (2019). Analysis of microcystins in environmental samples – a comparison study of ELISA, PPIA and LC-MS/MS. 11th International Conference on Toxic Cyanobacteria (ICTC11), 5-10 May 2019, Krakow, Poland.
37. Christophoros Christophoridis, Iraklis Argyropoulos, **Triantafyllos Kaloudis**, Theodoros M. Triantis, Anastasia Hiskia (2019). Determination of cyanotoxins in fish tissue: matrix-interference challenges. 11th International Conference on Toxic Cyanobacteria (ICTC11), 5-10 May 2019, Krakow, Poland.
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40. **T. Kaloudis** (2018). Emerging (organic) pollutants in the context of Water Safety Plans. Workshop, INN-NCSR Demokritos Industrial Fellowships Program 2017-2020, 10 October 2018.
41. A. Hiskia, C. Christophoridis, S.-K. Zervou, K. Manolidi, T. M. Triantis and **T. Kaloudis** (2018). Occurrence of cyanotoxins in Greek lakes. SETAC Europe 28th Annual Meeting, 13-17 May 2018, Rome.
42. **Triantafyllos Kaloudis**, Christos Avagianos, Javier Diaz-Alvarez, Manthos Panou, Sevasti-Kiriaki Zervou, Markella Pisania, Christophoros Christophoridis, Theodoros M. Triantis, Anastasia Hiskia, Spyros Gkelis (2018). Cyanobacteria taste and odor compounds; a study in freshwaters of Greece. SETAC Europe 28th Annual Meeting, 13-17 May 2018, Rome.

43. Christos Avagianos, Markella Pisania, **Triantafyllos Kaloudis** (2018). Smelly HABs: response-surface optimized HS-SPME-GC/MS method for monitoring multi-class HAB odor compounds in water. SETAC Europe 28th Annual Meeting, 13-17 May 2018, Rome.
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46. A. Hiskia, T.M. Triantis, **T. Kaloudis**, C. Christophoridis (2018). Advanced Oxidation Treatment of Cyanotoxins: Elucidation of Degradation Pathways. 18th International Conference on Harmful Algae (ICHA), 21-26 October 2018, Nantes, France.
47. Tartaglione Luciana, Varriale Fabio, Casabianca Silvia, Capellacci Samuela, Penna Antonella, Giacobbe Maria Grazia, Turner Andrew, Hiskia Anastasia, **Kaloudis Triantafyllos**, Dell’Aversano Carmela (2018). LC-High resolution MS and LC- tandem MS as complementary tools for a comprehensive toxin analysis in environmental and food matrices. 18th International Conference on Harmful Algae (ICHA), 21-26 October 2018, Nantes, France.
48. Sevasti – Kiriaki Zervou, Christophoros Christophoridis, **Triantafyllos Kaloudis**, Theodoros M. Triantis, Anastasia Hiskia (2018). Analysis of cyanotoxins in cyanobacterial biomass using LC-MS/MS. 11th Aegean Analytical Chemistry Days, organized by the National and Kapodistrian University of Athens, 25-29 September 2018, Chania, Greece.
49. Anastasia Hiskia, **Triantafyllos Kaloudis**, Theodoros M. Triantis (2018). Transformation products of cyanotoxins. 1st Meeting on Natural Toxins in Honor of Cesare Montecucco, organized by the Italian Society of Toxicology (SITOX), 6-7 September 2018 Padova.
50. Luciana Tartaglione, Carmela Dell’Aversano, Anastasia Hiskia, **Triantafyllos Kaloudis** (2018). LC-High resolution MSn and LC-Tandem mass spectrometry for a data merging of a Greek cyanobacteria biomass from Lake Kastoria. 1st Meeting on Natural Toxins in Honor of Cesare Montecucco, organized by the Italian Society of Toxicology (SITOX), 6-7 September 2018 Padova.
51. **Triantafyllos Kaloudis** (2018). CYANOCOST: International network for toxic cyanobacteria and cyanotoxins in water resources. 1st Cyanobacteria Twitter Conference “Climate Change Effects on Cyanobacterial Blooms and its Management”, organized by the Australian Rivers Institute (ARI), 24 October 2018.
52. A. Hiskia, S-K. Zervou, K. Manolidi, C. Christophoridis, **T. Kaloudis**, T.M. Triantis (2017). “Development of work-flows for the determination of multi-class cyanotoxins in biomass and water”. 6th International Symposium “Marine and Freshwater Toxins Analysis”, Organized by the University of Vigo, 22-25 October 2017, Baiona, Spain.
53. S-K. Zervou, **T. Kaloudis**, T.M. Triantis, A. Hiskia, H. Mazur-Marzec (2017). “Structural elucidation of toxic and “non-toxic” peptide variants of cyanobacteria”. 6th International Symposium “Marine and Freshwater Toxins Analysis”, Organized by the University of Vigo, 22-25 October 2017, Baiona, Spain.
54. C. Christophoridis, S. Zervou, **T. Kaloudis**, A. Hiskia (2017). “Analytical strategies for suspect and non-target screening of cyanobacterial toxins”. 6th International Symposium “Marine and Freshwater Toxins Analysis”, Organized by the University of Vigo, 22-25 October 2017, Baiona, Spain.
55. T.M. Triantis, A.M. Baltamonde Santos, D. Bahnemann, C. Byrne, M. Cernik, R. Dillert, M. Faraldos Izquierdo, C. Guillard, D. Hermosilla, J. Jirkovsky, N. Jungerth, P. Kaluzny, B. Kartheuser, H. Krafft, J. Krysa, S. Lacombe, J. Leenders, A. Mills, C. Minero, F. Neumann, F. Peterka, S.C. Pillai,

- A. Piscopo, **T. Kaloudis**, A. Hiskia (2017). Development of a European standard: Test method for water purification performance of photocatalytic materials by measurement of phenol degradation, 5th European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP 5), 25-29 June 2017, Prague, Czech Republic.
56. C. Christophoridis, S-K. Zervou, K. Manolidi, T.M. Triantis, **T. Kaloudis**, A. Hiskia (2017). "Determination of Cyanotoxins: The Need of Multi-Class Validated Methods". Satellite Event "Algae Toxins: Methods and Challenges" ACSenvr-CYANOCOST, 16th International Conference on Chemistry and the Environment (ICCE2017), 18 June 2017, Oslo, Norway.
 57. **T. Kaloudis**, L. Blaha, G.A. Codd, A. Hiskia, J. Meriluoto, Z. Svircev, A. Quesada, P. Visser (2017). "Knowledge and information resources for the management of toxic cyanobacteria". Satellite Event "Algae Toxins: Methods and Challenges" ACSenvr-CYANOCOST, 16th International Conference on Chemistry and the Environment (ICCE2017), 18 June 2017, Oslo, Norway.
 58. K. Manolidi, C. Christophoridis, **T. Kaloudis**, T. Triantis, A. Hiskia (2017). Method Development For The Extraction And Analysis Of Neurotoxin Amino Acids (BMAA, DAB, AEG) In Cyanobacterial Mass and Spirulina Supplements Using LC-MS/MS. 16th International Conference on Chemistry and the Environment - ICCE2017, Satellite event -- Algae toxins: Methods and challenges (ACS-Envr), Oslo, Norway, June 18-22, 2017.
 59. C.J. Pestana, **T. Kaloudis**, C. Christophoridis, T.M. Triantis, L.A. Lawton, A. Hiskia, "Effects of radiolytically produced reactive species on 2-methylisoborneol and geosmin in water", 15th International Conference on Environmental Science and Technology (CEST 2017), Rhodes, Greece, August 31 - September 2, 2017.
 60. C. Christophoridis, I. Argyropoulos, V. Mpampouris, **T. Kaloudis**, T.M. Triantis, A. Hiskia (2017). "Analysis of multi-class cyanotoxins in fish tissue. Application to fish from Greek lakes", 15th International Conference on Environmental Science and Technology (CEST 2017), Rhodes, Greece, August 31 - September 2, 2017.
 61. C. Avagianos, M. Pisanía and **T. Kaloudis** (2017). "Optimization of a HS-SPME-GC/MS method for analysis of multi-class off-odor compounds in water". 15th International Conference on Environmental Science and Technology (CEST 2017), Rhodes, Greece, August 31 - September 2, 2017.
 62. Sevasti-Kiriaki Zervou, **Triantafyllos Kaloudis**, Theodoros M. Triantis, Anastasia Hiskia & Hanna Mazur-Marzec (2017). "New peptide metabolites in cyanobacterial blooms from Greek lakes". Mass Spectrometry in Biotechnology and Medicine (MSBM) Summer School, International Mass Spectrometry Foundation, Dubrovnik, Croatia, 2-8 July 2017.
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 65. Zervou Sevasti-Kiriaki, Gkelis Spyros, **Kaloudis Triantafyllos**, Triantis Theodoros M., Hiskia Anastasia, Mazur-Marzec Hanna (2016). Structural elucidation of new cyanobacterial peptide variants from Greek lakes. 10th International Conference on Toxic Cyanobacteria (ICTC10), 23-28 October 2016, Wuhan, China.
 66. Gkelis S., Christophoridis C., Zervou, S-K, Manolidi K., Triantis T.M., **Kaloudis T.**, Hiskia A. (2016). "Greek toxins revisited: What else is there?" 10th International Conference on Toxic Cyanobacteria (ICTC10), 23-28 October 2016, Wuhan, China.
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- Gkelis (2016). "First report of a microcystin-producing cyanobacterium isolated from sponge". 10th International Conference on Toxic Cyanobacteria (ICTC10), 23-28 October 2016, Wuhan, China.
68. Panou Manthos, Zervou Sevasti-Kyriaki, Christophoridis Christophoros, Manolidi Korina, Triantis Theodoros, **Kaloudis Triantafyllos**, Hiskia Anastasia, Gkelis Spyros (2016). "First report of a microcystin-producing *Cylindrospermopsis raciborskii* strain isolated from Greece". 10th International Conference on Toxic Cyanobacteria (ICTC10), 23-28 October 2016, Wuhan, China.
 69. Blaha, L., Codd, G.A., Hiskia, A., **Kaloudis, T.**, Meriluoto, J., Quesada, A., Svircev, Z., Visser, P.M. (2016). "CYANOCOST: an EU COST Action on Cyanobacterial Bloom and Cyanotoxin Risk Management", SETAC Europe 26th Annual Meeting, Nantes, France, from 22-26 May 2016.
 70. M. Moustaka, A. Hiskia, M. Katsiapi, E. Vardaka, **T. Kaloudis**, T. Triantis, S-K. Zervou, C. Christophoridis, K. Manolidi, "A cocktail of cyanotoxins in Greek lakes: the WFD 200/60/ EU objective for a good ecological status has not been achieved", 8th Congress of the Hellenic Ecological Society, Aristotle University of Thessaloniki, Greece, 20-23 October 2016.
 71. A. Hiskia, T. Fotiou, T.M. Triantis, **T.Kaloudis**, N. Ioannidis (2015). ESR Investigation of the Photocatalysis Mechanism of Cyanotoxins Under Visible Light. European conference on environmental applications of advanced oxidation processes (EAAOP4), 21-24 October 2015, Athens, Greece.
 72. Korina Manolidi, Sevasti-Kyriaki Zervou, Christophoros Christophoridis, **Triantafyllos Kaloudis**, Theodoros Triantis, Anastasia Hiskia (2015), "Simultaneous determination of BMAA, 2,4-DAB, Saxitoxin and neoSaxitoxin in water, using SPE HILIC-LC-MS/MS". 15th EuCheMS International Conference on Chemistry and the Environment, September 2015, Leipzig, Germany.
 73. Theodora Fotiou, Theodoros Triantis, **Triantafyllos Kaloudis**, Nikos Ioannidis and Anastasia Hiskia (2015). Visible Light Photocatalysis of Cyanobacterial Metabolites (cyanotoxins, taste and odor compounds). An EPR spin trapping study". PAOT-3 3rd International Conference – Photocatalytic and Advanced Oxidation Technologies for the Treatment of Water, Air, Soil and Surfaces, Gdansk, September 1-4, 2015.
 74. Zervou S.K., Christophoridis C., **Kaloudis T.**, Triantis T. and Hiskia A. (2015), "Development and validation of an SPE-LC-MS/MS method for the simultaneous determination of multiclass cyanotoxins in water". 14th International Conference on Environmental Science and Technology – CEST 2015, Rhodes, Greece, 3-5 September 2015.
 75. Fotiou T., Triantis T.M., Ioannidis N., **Kaloudis T.** and Hiskia A. (2015), "Photocatalytic degradation of cyanotoxins under visible light; elucidation of the reaction mechanism", 14th International Conference on Environmental Science and Technology – CEST 2015, Rhodes, Greece, 3-5 September 2015.
 76. Papanagioutou Georgia, Zervou Sevasti-Kiriaki, Christophoridis Christophoros, **Kaloudis Triantafyllos**, Hiskia Anastasia, Gkelis Spyros (2015), "Characterization of commercially cultivated *Arthrospira* ("Spirulina") strains: A polyphasic approach". 2nd EABA and EC Algae Contractor's Conference and the 9th International Algae Congress, Lisbon, 1-3 December 2015.
 77. S.-K. Zervou, C. Christophoridis, **T. Kaloudis**, T. Triantis, A. Hiskia (2015). Development of a multi-class analytical method for the determination of cyanotoxins in water using SPE, LC-ESI-MS/MS. 3rd Mediterranean Sea Region Countries Mass Spectrometry (MEDMS III), 28 June – 2 July 2015, Athens, Greece.
 78. Theodoros Triantis, Theodora Fotiou, **Triantafyllos Kaloudis**, Anastasia Hiskia (2015), "Test method for water purification performance of photocatalytic materials", Photocatalytic and Superhydrophilic Surfaces Workshop, PSS2015 – University of Minho, September 10-11, Guimaraes, Portugal.

79. **T. Kaloudis**, (2015), "Laboratory accreditation of freshwater cyanotoxin analysis. Current status, gaps and future prospects.", Fifth Joint Symposium and AOAC Task Force Meeting Marine & Freshwater Toxins Analysis, Baiona, Spain, June 14-17, 2015.
80. S-K. Zervou, C. Christophoridis, K. Manolidi, T. Triantis, **T. Kaloudis**, A. Hiskia (2015). Simultaneous analysis of multi-class cyanotoxins in environmental samples. Fifth Joint Symposium and AOAC Task Force Meeting on Marine & Freshwater Toxins Analysis, Baiona, Spain, June 14-17, 2015.
81. S.-K. Zervou, C. Christophoridis, **T. Kaloudis**, T. Triantis, A. Hiskia (2014), "Development and optimization of an SPE, LC-MS/MS method for the simultaneous determination of 24 pesticides in water using experimental design", 8th European Conference on Pesticides and Related Organic Micropollutants in the Environment", Sep. 18-21, 2014, Ioannina, Greece.
82. Anastasia Hiskia, Theodora Fotiou, Theodoros Triantis, **Triantafyllos Kaloudis** (2014). Photocatalytic Degradation of Microcystin-LR under Visible Light using doped TiO₂. 5th EuCheMS Chemistry Congress, 31 August – 4 September 2014, Istanbul, Turkey.
83. Christophoros Christophoridis, Aikaterini Droungou, Sevasti-Kiriaki Zervou, Theodoros Triantis, **Triantafyllos Kaloudis** , Anastasia Hiskia (2014). Simultaneous determination of cyanotoxins Cylindrospermopsin and Anatoxin-a in water using LC-MS/MS. Optimization of extraction with experimental design. 5th EuCheMS Chemistry Congress, 31 August – 4 September 2014, Istanbul, Turkey.
84. C. Christophoridis, T. Fotiou, T. Triantis, **T. Kaloudis**, A. Hiskia (2014). Preparation, characterization and photocatalytic activity of TiO₂ impregnated with polyoxometalate H₃PW₁₂O₄₀. 3rd FMOCS – PoCheMoN Frontiers in Metal-Oxide Cluster Science Symposium & European conference "Polyoxometalate Chemistry for Molecular Nanoscience", France, 12-15 July, Château de Maffliers, Paris, France.
85. Christophoros Christophoridis, M. Kontaxaki, T. Fotiou, T. Triantis, **T. Kaloudis**, A. Hiskia (2014),. Photocatalytical degradation of cyanotoxin Cylindrospermopsin (CYN) using polyoxometalate H₃PW₁₂O₄₀, TiO₂ and impregnated TiO₂-POM. 3rd FMOCS – PoCheMoN Frontiers in Metal-Oxide Cluster Science Symposium & European conference "Polyoxometalate Chemistry for Molecular Nanoscience. 12-15 July 2014, Château de Maffliers, Paris, France.
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87. A. Hiskia, T. Triantis, **T. Kaloudis**, C. Christophoridis, T. Fotiou, S-K. Zervou (2014). CYANOWATER – Cyanotoxins in Fresh Waters, Advances in Analysis, Occurrence and Treatment, 8th European Conference on Pesticides and Related Organic Micropollutants in the Environment & 14th Symposium on Chemistry and Fate of Modern Pesticides, 18-21 September 2014, Ioannina, Greece
88. C. Christophoridis, S-K. Zervou, T. Fotiou, T. Triantis, **T. Kaloudis**, A. Hiskia (2014), "Analysis of cyanotoxins and their transformation products using mass spectrometry", Mass Spectrometry and Health Symposium, organized by HMSS and University of Athens, 18-19 November 2014, Athens, Greece.
89. **Triantafyllos Kaloudis** (2014), "Analysis of cyanotoxins and its importance in managing emergency events", WaterMicro Workshop, Athens, 5-6 November 2014.
90. **Triantafyllos Kaloudis** (2014), "CYANOCOST: An international network for cyanobacteria and cyanotoxins in water resources", in 17th Workshop of the International Association of Phytoplankton Taxonomy and Ecology - 17th IAP, Kastoria, 14-21 September 2014.
91. A. Hiskia, T. Triantis, T. Fotiou, **T. Kaloudis** (2014), "Development of a European Standard for testing photocatalytic materials with regards to water purification", 5th National Conference on Metrology – Metrologia 2014, National Hellenic Research Foundation, May 9-10, 2014, Athens, Greece.

92. C. Christophoridis, T. Fotiou, T. Triantis, **T. Kaloudis**, A. Hiskia (2014), "Preparation, characterization and photocatalytic activity of TiO₂ impregnated with polyoxometalate H₃PW₁₂O₄₀", 3rd FMOCS – PoCheMoN Frontiers in Metal-Oxide Cluster Science Symposium & European conference "Polyoxometalate Chemistry for Molecular Nanoscience", July 12-15, 2014, Château de Maffliers, France.
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94. **Triantafyllos Kaloudis** (2014), "CYANOCOST: An International Network for Cyanobacteria and Cyanotoxins in Water Resources" in WaterMicro Conference, 21 March 2014, Athens, Greece.
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96. Anastasia Hiskia, Theodora Fotiou, Theodoros Triantis and **Triantafyllos Kaloudis** (2013), "Recent advances towards water purification from cyanotoxins and taste & odor compounds using photocatalysis with TiO₂ and polyoxometalates", 14th EuCheMS International Conference on Chemistry and the Environment ICCE 2013, Barcelona, Spain.
97. Fotiou T., Triantis T. M., **Kaloudis T.** and Hiskia A. (2013), Evaluation of the photocatalytic activity of TiO₂ based catalysts on the degradation and mineralization of cyanobacterial toxins and water off-odor compounds under UV-A, solar and visible light", 3rd European Symposium on Photocatalysis – JEP 2013, Slovenia.
98. T. Fotiou, T. Triantis, **T. Kaloudis**, A. Hiskia (2013), "Photocatalytic degradation of cylindrospermopsin under UV-A, solar and visible light in the presence of TiO₂-based nanomaterials", 13th International Conference on Environmental Science and technology (CEST 2013), Athens, Greece.
99. S.K. Zervou, T. Triantis, **T. Kaloudis**, A. Hiskia (2013), "Optimization of Solid Phase Extraction (SPE) and LC-ESI-MS/MS for the Determination of Cyclic Peptide Cyanotoxins (CPCs) in Water", 8th International Conference "IMA 2013-Instrumental Methods of Analysis-Modern Trends and Applications" 15-19 September 2013, Thessaloniki, Greece.
100. L. Blaha, L. Brient, G.A. Codd, A. Hiskia, **T. Kaloudis**, L.A. Lawton, Z. Svircev, P.M. Visser, J. Mankiewicz-Boczek (2013), "CYANOCOST: A European Network for Cyanobacteria and Cyanotoxins", Ecohydrology, Biotechnology & Engineering - Symposium organised within the United Nations International Year of Water Cooperation 2013, 16-22 September 2013, Lodz, Poland.
101. T. Fotiou, T. Triantis, **T. Kaloudis**, P. Falaras, D. Dionysiou, A. Hiskia (2012), "Photocatalytic Degradation of Taste and Odour compounds in water using visible light-activated TiO₂ nanomaterials", 7th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications - SPEA7, Oporto, Portugal.
102. Anastasia Hiskia, Theodoros Triantis, Theodora Fotiou, **Triantafyllos Kaloudis**, Elias Papaconstantinou (2012), "Recent developments towards water purification from organic pollutants and taste & odor compounds using polyoxometalates", Frontiers in Metal- Oxide Cluster Science – FMOCS 2012, Spain.
103. Theodora Fotiou, Theodoros M. Triantis, **Triantafyllos Kaloudis**, Anastasia Hiskia, Elias Papaconstantinou (2012), Photocatalytic Degradation of Taste and Odour Compounds using Polyoxometalates. Comparison with TiO₂", Frontiers in Metal- Oxide Cluster Science – FMOCS 2012, Spain.
104. S.K. Zervou, **T. Kaloudis**, T. Triantis, P. Miskaki, A. Hiskia (2012), "Trace-level determination of 8 priority pesticides in water using solid phase extraction, liquid chromatography - tandem mass

- spectrometry (LC-MS/MS)", AACD 8th Analytical Chemistry Chemical Days, 16-20 September, Izmir, Turkey.
105. **T. Kaloudis** (2012), "CYANOCOST - Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management." COST Conference – ESSEM, Earth System Science and Environmental Management Domain Annual Progress, Alexandroupolis, 20-22 June 2012.
 106. T. Fotiou, T.M. Triantis, **T. Kaloudis**, N.G. Moustakas, A.G. Kontos, P. Falaras, M. Pelaez, D.D. Dionysiou, A. Hiskia (2012), "Photocatalytic Degradation of Taste and Odour compounds in water using visible light-activated TiO₂ nanomaterials", Nano4water Cluster: 2nd Dissemination Event, Greece April 2012.
 107. T.M. Triantis, T. Fotiou, **T. Kaloudis**, N.G. Moustakas, A.G. Kontos, P. Falaras, D.D. Dionysiou, M. Pelaez, A. Hiskia, (2012), "Photocatalytic Degradation and Mineralization of microcystin-LR under UV-A, solar and visible light using nanostructured nitrogen doped TiO₂", Nano4water Cluster: 2nd Dissemination Event, Greece April 2012.
 108. **T. Kaloudis**, Th. Triantis, I. Dimitrakopoulos, Th. Fotiou, S. Zervou, M. Grammenou, E. Lytras, Ph. Miskaki, A. Hiskia (2012) "Metrological issues and proposed solutions in the analysis of cyanotoxins in environmental samples" 4th National Conference of Metrology "Metrologia 2012" 3-4 February 2012, NTUA, Athens, Greece.
 109. Hiskia A., Triantis T., Fotiou **T.**, **Kaloudis T.**, Falaras P., Dionysiou D. (2011), "Photocatalytic Degradation of Taste and Odour Causing Compounds in Water Using Visible Light–Activated Nanostructured TiO₂ Materials", International Conference on Photocatalytic and Advanced Oxidation Technologies for the Treatment of Water, Air, Soil and Surfaces, July 4-8, 2011, Gdansk University of Technology, Gdansk, Poland.
 110. Tsimeli K., Triantis T., **Kaloudis T.**, Hiskia A. (2011), "Development of a new analytical method for the determination of PAHs in surface and drinking water by using LC-APPI/MS/MS", Workshop on "Recent developments of mass spectrometry in food analysis", November 3, 2011, NCSR "Demokritos", Athens, Greece.
 111. A. Hiskia, T.M. Triantis, T. Fotiou, **T. Kaloudis**, P. Falaras, D.D. Dionysiou (2011), "Photocatalytic degradation of MC-LR using modified nanostructured TiO₂ catalysts", 4rd Environmental Conference of Macedonia, 18-20 March, Thessaloniki, Greece, 2011.
 112. A. Hiskia, T.M. Triantis, T. Fotiou, **T. Kaloudis**, A. Kontos, P. Falaras, D.D. Dionysiou (2010) "Photocatalytic degradation of microcystin-LR using visible light–activated nanostructured TiO₂ materials" (2010), 6th European Conference on Pesticides and Related Organic Micropollutants in the Environment, Matera, Sep 2010.
 113. A. Hiskia, T.M. Triantis, T. Fotiou, **T. Kaloudis**, P. Falaras, D.D. Dionysiou (2010), "Photocatalytic Decomposition of Microcystin-LR in Natural and Drinking Water Using Nanostructured TiO₂ Materials", Proceedings of the 6th European meeting on Solar Chemistry and Photocatalysis: Environmental Applications (SPEA6), 13-16 June 2010, Prague.
 114. A. Hiskia, T. Triantis, T. Fotiou, **T. Kaloudis**, A.G. Kontos, P. Falaras, D.D. Dionysiou (2010), "Photodegradation of MC-LR using innovative TiO₂ photocatalysts", Dissemination Workshop of the Nano4water cluster, Aachen, Germany, 26 October, 2010.
 115. A. Hiskia, T. Triantis, T. Fotiou, **T. Kaloudis** (2010) "Development and validation of analytical methods for the quantification of MC-LR, GSM and 2-MIB", Dissemination Workshop of the Nano4water cluster, Aachen, Germany, 26 October, 2010.
 116. **Triantafyllos Kaloudis**, Nicholas Thanasoulas, Theodoros Triantis, Katerina Tsimeli, Anastasia Hiskia, (2010), "Development and validation of a cost-effective analytical protocol for the monitoring of microcystins in water. Application in the lake Marathonas", Proceedings, Aegean Analytical Chemistry Days (AACD 2010), Lesvos, Greece.
 117. Ioannis K. Dimitrakopoulos, **Triantafyllos S. Kaloudis**, Anastasia E. Hiskia, Nikolaos S. Thomaidis, Michael A. Koupparis (2010), "Development, optimization and validation of a direct large volume injection HILIC-MS/MS method for the fast and sensitive determination of toxic aminoacids

- produced by cyanobacteria in water”, Proceedings, Aegean Analytical Chemistry Days (AACD 2010), Lesvos, Greece.
118. Anastasia Hiskia, Theodoros Triantis, Theodora Fotiou, **Triantafyllos Kaloudis**, Athanasios Kontos, Polykarpos Falaras, Dionysios Dionysiou (2010), “Analytical techniques for the elucidation of the mechanism of photocatalytic degradation of Microcystin-LR in water using visible light – activated nanostructured TiO₂ materials. Proceedings, Aegean Analytical Chemistry Days (AACD 2010), Lesvos, Greece.
 119. **T. Kaloudis**, T. Triantis, I. Dimitrakopoulos, P. Kakleas, A. Hiskia (2010), “Optimization and robust design of analytical methods with use of response surface and orthogonal array (Taguchi) experimental designs”, 3rd National Conference on Metrology, Larnaka, Cyprus, 5 - 6 February 2010.
 120. K. Tsimeli, Th.Triantis, **T. Kaloudis**, A. Hiskia (2009), “Analysis of cyanotoxins in surface and drinking water with use of LC-MS/MS”, Food Chemistry Days, Eugenides Foundation, Athens.
 121. Ioannis Dimitrakopoulos, **Triantafyllos Kaloudis**, Anastasia Hiskia, Nikolaos S. Thomaidis, Michael Koupparis (2009), “Development of a fast and selective method for the sensitive determination of anatoxin-a in lake waters using liquid chromatography-tandem mass spectrometry and d5-phenylalanine as internal standard”, Proceedings of the “Instrumental Methods of Analysis - IMA 2009” International Conference, Athens, Greece, 6-10 October 2009.
 122. Katerina Tsimeli, Theodoros Triantis, **Triantafyllos Kaloudis**, Anastasia Hiskia (2009), Development of a new analytical method for the high sensitivity analysis of EU 8 priority pollutant PAHs in surface and drinking water by LC-APPI-MS/MS”, Proceedings of the “Instrumental Methods of Analysis - IMA 2009” International Conference, Athens, Greece, 6-10 October 2009.
 123. **Kaloudis, T.**, Tsimeli, K., Triantis, T., Thanasoulis, N., Kousouris, L., Lytras, E., Tzoumerkas, P., Hiskia, A. (2008) "Development of an integrated laboratory system for the monitoring of cyanotoxins in surface and drinking waters", 5th European Conference on Pesticides and Related Organic Micropollutants in the Environment and 11th Symposium on Chemistry and Fate of Modern Pesticides, Marseille, France, 2008.
 124. Tsimeli, K., Triantis, T., **Kaloudis, T.**, Hiskia, A. (2008), "Development of a new method for the determination of microcystins and nodularin in surface and drinking water by LC-MS/MS", 5th European Conference on Pesticides and Related Organic Micropollutants in the Environment and 11th Symposium on Chemistry and Fate of Modern Pesticides, Marseille, France, 2008.
 125. Panagiotis Kakleas, **Triantafyllos Kaloudis** and Ewan MacArthur (2008), “Speeding up chemical analysis; an example of developing fast yet reliable methods for the determination of cylindrospermopsin in water, by using HPLC and ELISA”, Proceedings of the eRA 3 Conference, TEI of Piraeus, Aegina, 19-20 September, 2008.
 126. N.C. Thanasoulis, **T.S. Kaloudis**, L.P. Kousouris and P.C. Tzoumerkas (2007), “Immunochemical water analysis: State of the art procedures in the Organic Micropollutant Laboratory of EYDAP SA”, Proc. of the 10th International Conference on Environmental Science and Technology, Kos Island, Greece, 5-8 September 2007.
 127. **Triantafyllos Kaloudis**, Nicholas Thanasoulis, Leonidas Kousouris, Philippos Tzoumerkas, Theodoros Triantis, Eleni Gkika, Katerina Tsimeli and Anastasia Hiskia (2007), “Development of an integrated laboratory system for the monitoring of cyanotoxins in surface and drinking waters”, Proceedings of the “Instrumental Methods of Analysis - IMA 2007” International Conference, Patras, Greece, 30 September – 4 October 2007.
 128. **Triantafyllos Kaloudis**, Nicholas C. Thanasoulis, Katerina Dimitrou, Leonidas Kousouris and Philippos Tzoumerkas (2006), “Comparative evaluation of two commercially available ELISA kits for the screening of microcystins in water samples”, Proc. of the AQUA 2006 – Water Science & Technology Conference, November 2006, Athens.

129. **T. Kaloudis** (2006), "Quality and Creativity", Proceedings of a Conference "Quality in the Public Sector", organized by Eco-Q, The Greek Quality Forum and the Hellenic Ministry of Transport and Communications in Athens.
130. E. Farmaki, **T. Kaloudis**, K. Dimitrou, N. Thanasoulas, L. Kousouris and F. Tzoumerkas (2005), "Validation of an FT-IR method for the determination of oils and grease in water by using tetrachloroethylene as the extraction solvent", Proceedings of the 9th International Conference on Environmental Science and Technology, Rhodes Island, Greece, 1-3 September 2005.
131. **T. Kaloudis** (2005), "Quality Tools for Teams", Proceedings of the 8th Quality Forum, Quality Forum of Greece and Eco-Q, 24-25 November, Athens.
132. D.D. Parthymos, N.C. Thanasoulas, **T.S. Kaloudis**, E.G. Farmaki, A.C. Calokerinos, L. P. Kousouris, P.C. Tzoumerkas (2005) "Development of an optimization protocol for the determination of organochlorine pesticides in water by means of tandem SPE-GC-ECD and chemometrics", Proceedings of the "Aqua 2005" Conference, 21-23 October, Athens.
133. **T. Kaloudis**, F. Miskaki and A. Eleftherianos (2005), "Quality Control in the Chemical laboratory: Detection of Minor shifts in the Analytical process with use of CUSUM and EWMA Charts", Proceedings of the 2nd International Scientific Conference on Information Technology and Quality, TEI of Piraeus and University of Paisley, Spetses, 4-5 June 2005.
134. **T. Kaloudis** (2004). "Measuring Quality in Business-to-Business Services: The Case of a Certification Body", Proceedings of the 1st International Scientific Conference on Information Technology and Quality, TEI of Piraeus and University of Paisley, Athens, 5-6 June, 2004.
135. M. Liaska, M. Despotidou, **T. Kaloudis**, K. Katsara, D. Xenos, "Industrial wastewater in the area of responsibility of EYDAP – Overview of the present status", Proc. 7th International Conference on Environmental Science & Technology, Ermoupoli, Syros, 2001.
136. **T. Kaloudis**, P. Miskaki, K. Kontostavakis P. Mikos (1999) "A study of the proteolysis and lipolysis processes in dry sausages inoculated with various starter cultures", Proceedings of the 6th Conference of Chemistry in Greece and Cyprus, Rhodes.
137. **T. Kaloudis**, I. Metaxopoulos, M. Kammenou, M. Papadelli, D. Stefanitsi (1999), "Lipolysis During the Natural Fermentation and Ripening of Greek Dry Sausages, as Related to Microbial Changes", Proc. Conf. "Lipases & Lipids", Santorini, May 6-8, 1999.
138. **T. Kaloudis** (1998), "Food Irradiation – Present Status and Perspectives", Proceedings of the 2nd Symposium "Quality and Competitiveness in the Food Industry", p.330, Athens.
139. **T. Kaloudis**, E. Vrachnou and D. Katakis, (1995) "Radiation Chemical Methods in Water Treatment", Proceedings of the 4th Conference of Environmental Science and Technology, Vol. A', p.694, Lesvos, Greece.
140. **T. Kaloudis**, E. Vrachnou and D. Katakis (1993) "Oxidation of organic pollutants with ionizing radiation – Effect of iron salts", Proceedings of the 3rd Conference of Environmental Science and Technology, Vol. B', p.377, Lesvos, Greece.

7.4.3 Other talks

1. **Triantafyllos Kaloudis** (2026). Microbial metabolites in water supplies – The good, the bad and the algae. World Water Day event Organized by the Association of Greek Chemists, Heraklion, 20 March 2026.
2. **Triantafyllos Kaloudis** (2019). Emerging pollutants in drinking water: New challenges in the light of the forthcoming recast EU-DWD. Drinking Water Quality Symposium. Association of Greek Chemists, 23 February 2019, Athens, Greece.
3. **Triantafyllos Kaloudis** (2018). Emerging pollutants: new challenges for research and management of water resources. 53rd Summer School, NCSR Demokritos, 2-13 July 2018, Athens, Greece.

7.5. Training activities and publications

1. Trainer, Training School “Microextraction in T&O analysis: fundamentals and applications”, organized by the School of Chemical & Environmental Engineering of the Technical University of Crete and WaterTOP COST Action 18225, on 20-22 September 2023 in Chania, Greece.
2. Trainer, Training School “Introduction to Sensory Analysis of Water” organized by the Faculty of Aquatic Sciences, Istanbul University and WaterTOP COST Action 18225 on 17-19 October 2022 in Istanbul, Turkey.
3. Trainer, Training School “AOPs - sensory and GC-MS analysis for water T&O”, Organized by NCSR Demokritos & EYDAP SA in the frame of WaterTOP CA 18225 COST Action, 5-9 September 2022, Athens, Greece
4. **Triantafyllos Kaloudis** (2010), “Detection of taste, odour and colour variations in raw and drinking water”, Manual, Training School EYDAP SA.
5. **T. Kaloudis**, N. Thanassoulis, A. Tsakou, M. Economopoulou (2010), “Drinking water quality monitoring in distribution networks”, Manual, Training School EYDAP SA.
6. **T. Kaloudis**, Z. Melambianaki, N. Thanassoulis (2010), “Quality problems in drinking water”, Manual, Training School EYDAP SA.
7. **T. Kaloudis**, (2010), “Chemical reactions in drinking water treatment”, Manual, Training School EYDAP SA.

7.6. Other studies/reports

1. S. Gkelis, T. Triantis, C. Christophoridis, **T. Kaloudis**, A. Hiskia (2016), “Study of methods for extraction and production of Phycocyanin-C from Arthrospira (Spirulina) biomass”. Aristotle University of Thessaloniki, Project No 92954.

7.7. Publicized articles

1. **Triantafyllos Kaloudis**, Ludek Blaha, Anastasia Hiskia, Zorica Svircev, Linda Lawton, Kaarina Sivonen, Geoffrey Codd, Petra Visser, Luc Brient, Antonio Quesada (2013), “Towards Safe Waters”, International Innovation – Environment, April 2013, pp. 85-87.
<http://www.research-europe.com/magazine/ENVIRONMENT/ENV17/index.html>

8. Organization of International Conferences and Conference Sessions

1. Member of the Scientific Committee, **15th Symposium for European Freshwater Sciences (SEFS15)**, 05-09 July 2027, Utrecht, the Netherlands.
2. Co-Chair, Session 3.16 Integrating Genomics, Metabolomics, and Control Strategies to Address Harmful Algal and Cyanobacterial Blooms. **SETAC Europe 36th Annual Meeting**, 17-21 May 2026, Maastricht, the Netherlands.
3. Member of the Organizing Committee, **13th International Conference on Toxic Cyanobacteria (ICTC13)**, 4-8 May 2025, Chania, Greece. www.ictc13.gr

4. Co-Chair Session 6.03. Marine and freshwater pelagic and benthic harmful algal blooms: Toxins production, detection, fate, effects, monitoring and management. **SETAC SciCon – Europe 30th Annual Meeting** (virtual).
5. Co-Chair of Session “Drinking water treatment – Focus on technologies for emerging pollutants”, **16th International Conference on Environmental Science and Technology -CEST2019**, 4-7 September 2019, Rhodes, Greece (Chairs: Dionysios Dionysiou, Triantafyllos Kaloudis, Anastasia Hiskia, Polycarpos Falaras).
6. Member of the Organizing Committee of the **11th International Conference on Toxic Cyanobacteria (ICTC11)**, 5-10 May 2019, Krakow, Poland.
7. Co-Chair of Session “Mitigation of HABs and water treatment technologies”, **18th International Conference on Harmful Algae (ICHA2018)**, 21-26 October 2018, Nantes, France (Chairs: Petra Visser, Triantafyllos Kaloudis, Jean-Francois Humbert).
8. Member of the International Advisory Committee of the **18th International Conference on Harmful Algae (ICHA2018)**, 21-26 October 2018, Nantes, France.
9. Co-Chair of the **6th International Symposium “Marine and Freshwater Toxins Analysis”**, Organized by the University of Vigo, 22-25 October 2017, Baiona, Spain. (Chairs: Ana Gago-Martinez and Triantafyllos Kaloudis).
10. Co-Chair of the Satellite Event “**Algae Toxins: Methods and Challenges**” ACSenvr-CYANOCOST, 16th International Conference on Chemistry and the Environment (ICCE2017), 18 June 2017, Oslo, Norway. (Chairs: Bryan Brooks, Dionysios (Dion) Dionysiou, George Cobb and Triantafyllos Kaloudis).
11. Co-Chair of the Satellite Event “**Cyanobacteria and Cyanotoxins in Aquatic Environments**” ACSenvr-CYANOCOST, EuCheMS International Conference on Chemistry and the Environment (ICCE2013), 25 June 2014, Barcelona, Spain (co-Chairs: Antonio Quesada, Dionysios Dionysiou and Triantafyllos Kaloudis).
12. Co-Chair of the International Workshop “**Cyanotoxins in Freshwaters – Advances in Analysis, Occurrence and Treatment**”, Organized by CyanoWater and CYANOCOST, Athens, 5 May 2014. (Chairs: Anastasia Hiskia, Theodoros M. Triantis and Triantafyllos Kaloudis).

9. Editorial activities

1. Guest Associate Editor, AWWA Water Science, Topical Collection on Harmful Algal Blooms, Edited by Dionysios (Dion) D. Dionysiou, Nicole Blute, Triantafyllos (Tri) Kaloudis, Lauren Weinrich, Arash Zamyadi. AWWA-Wiley 2022.
[https://awwa.onlinelibrary.wiley.com/doi/toc/10.1002/\(ISSN\)2577-8161.hab-collection](https://awwa.onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)2577-8161.hab-collection)
2. Co-Editor, book: “Cyanotoxins in Bloom - Ever-Increasing Occurrence and Global Distribution of Freshwater Cyanotoxins from Planktic and Benthic Cyanobacteria”. Triantafyllos Kaloudis, Anastasia Hiskia, Theodoros Triantis (Eds), MDPI, 2022, ISBN 978-3-0365-3922-5.
<https://doi.org/10.3390/books978-3-0365-3921-8>
3. Guest Editor, Special Issue “Management of Cyanobacteria and Cyanotoxins in Waters”, *Toxins* (MDPI 2021-2022), Arash Zamyadi and Triantafyllos Kaloudis (Eds).
https://www.mdpi.com/journal/toxins/special_issues/cyanotoxins_waters
4. Editorial Board Member, *Toxins (MDPI)*, Section: Marine and Freshwater Toxins.
https://www.mdpi.com/journal/toxins/sectioneditors/marine_and_freshwater
5. Co-Editor, book: “Water treatment for purification from cyanobacteria and cyanotoxins”, A. Hiskia, D. Dionysiou, A. Antoniou, T. Kaloudis, T. Triantis (Eds), John Wiley & Sons, Ltd. 2020, ISBN:9781118928615, <https://onlinelibrary.wiley.com/doi/book/10.1002/9781118928677>

6. Series Editor, "Chemistry in the Environment", The Royal Society of Chemistry (Editor-in-Chief: Dionysios Dionysiou, Series Editors: Rajasekhar Balasubramanian, Triantafyllos Kaloudis, Rafael Luque). <http://pubs.rsc.org/bookshop/collections/series?issn=2516-2624>
7. Guest Editor, Special Issue "Water taste and odour (T&O): challenges, gaps and solutions", Chemical Engineering Journal Advances (2020-2021), Eds. Triantafyllos Kaloudis, Andrea Dietrich, Arash Zamyadi, Tsair-Fuh Lin, Ana Rita Lado Ribeiro. <https://www.journals.elsevier.com/chemical-engineering-journal-advances/call-for-papers/water-taste-and-odour-to-challenges-gaps-and-solutions>
8. Guest Editor, Special Issue "Cyanotoxins in Bloom: Ever-Increasing Occurrence and Global Distribution of Freshwater Cyanotoxins from Planktic and Benthic Cyanobacteria", *Toxins* (2020-2021) Eds. T. Kaloudis, Anastasia Hiskia, Theodoros Triantis. https://www.mdpi.com/journal/toxins/special_issues/Cyanotoxins_Bloom
9. Guest Editor, Special Issue "Water Quality Optimization", *Water* (2020-2021), Eds. G. Besseris, T. Kaloudis. https://www.mdpi.com/journal/water/special_issues/water_quality_optimization
10. Guest Editor, Special Issue "Advances in Water Quality Monitoring and Assessment of Aquatic Toxicity", *International Journal of Environmental Research and Public Health* (2020-2021), Eds. Magdalena Toporowska, Agnieszka Budzyńska, Triantafyllos Kaloudis. https://www.mdpi.com/journal/ijerph/special_issues/AWQMAAT

11. Other professional activities

1. Member of the European Committee for Standardization (CEN) Technical Committee CEN-TC 386 "Photocatalysis" – Working Group 3 "Water Purification".
2. Member of the International Organization for Standardization (ISO) Technical Committee (TC) 147 "Water Quality", Sub Committee SC 2 "Physical, chemical and biochemical methods".
3. Reviewer for Journals: *Water Research (IWA-Elsevier)*, *Industrial & Engineering Chemistry Research – ES&T (American Chemical Society)*, *Applied Catalysis B: Environmental, Environmental Science & Technology Letters*, *Chemosphere*, *Environmental Nanotechnology - Monitoring & Management*, *Toxicon (Elsevier)*, *Analytical Methods*, *RSC Advances (Royal Society of Chemistry)*, *Marine Drugs*, *Toxins*, *Journal of Marine Science and Engineering (MDPI)*, *Environmental Monitoring and Assessment (Springer)*.
4. Reviewer of research proposals for funded projects (national, European).
5. Reviewer of The U.S. Environmental Protection Agency (EPA), Science to Achieve Results (STAR) program grants (HABs).
6. External expert for COST Association, Brussels. Reviewer of COST proposals www.cost.eu
7. Editor of CYANOnews, a bimonthly Newsletter of the CYANOCOST Network (ES 1105 COST Action). Available at www.cyanocost.net.
8. Administrator of the CYANOCOST, www.cyanocost.net, WaterTOP www.watertopnet.eu and AquOmixLab <https://www.aquomixlab.com/> websites.

12. Memberships in professional associations

- Member of the Metabolomics Society metabolomicssociety.org/
- Member of the Hellenic Mass Spectrometry Society, HMSS www.hmss.gr
- Member of the Polish Phycological Society <https://fykologia.pl/en/>
- Member of the Italian Society of Toxicology, SITOX www.sitox.org
- Member of the Association of Greek Chemists, AGC www.eex.gr

Website: <https://www.aquomixlab.com/>

Google Scholar Citations: <http://scholar.google.gr/citations?user=EiIHSK0AAAAJ&hl=en>

ORCID: <http://orcid.org/0000-0003-1909-0256>

Scopus Author ID: [16304201900](https://scopus.com/authid/detail.uri?authorId=16304201900)