

**CURRICULUM VITAE****Anastasia Hiskia****Research Director, Institute of Nanoscience and Nanotechnology, NCSR "Demokritos"**

**FIRST NAME:** Anastasia  
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**PLACE OF BIRTH:** Athens  
**NATIONALITY:** Greek  
**WORKING ADDRESS:** Institute of Nanoscience and Nanotechnology (INN)  
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**Professional/research networks:****ORCID:** <https://orcid.org/0000-0002-3674-3223>**Scopus Author ID:** <https://www.scopus.com/authid/detail.uri?authorId=6603732240>**Google Scholar:** <https://scholar.google.gr/citations?user=ABRWQIEAAAJ&hl=en>**STUDIES - WORKING EXPERIENCE**1981: Graduation from the Department of Chemistry, University of Athens.1989: Doctor's Degree from the University of Athens. PhD Thesis was performed at the Institute of Physical Chemistry, NCSR "DEMOKRITOS", under the supervision of Dr. E. Papaconstantinou (Fellowship award in 1982 for PhD studies).1983-1995: Analyst, General Chemical State Laboratory.1995-2001: Researcher Rank C, "Catalytic-Photocatalytic Processes Laboratory (Solar Energy-Environment)", Institute of Physical Chemistry, NCSR "DEMOKRITOS"2002-2006: Researcher Rank B, "Catalytic-Photocatalytic Processes Laboratory (Solar Energy-Environment)", Institute of Physical Chemistry, NCSR "DEMOKRITOS"2006-2025: Researcher Rank A, Research Director of the Photo-Catalytic Processes and Environmental Chemistry Laboratory", Institute of Nanoscience and Nanotechnology, NCSR "DEMOKRITOS"2026-today: Emeritus Research Associate, Photo-Catalytic Processes and Environmental Chemistry Laboratory", Institute of Nanoscience and Nanotechnology, NCSR "DEMOKRITOS"**RESEARCH - WORKING ACTIVITIES**1982-1989: Doctorate Dissertation entitled "Photocatalytic Oxidation of Organic Compounds by Polyoxometallates of W and Mo". Among other items, photocatalytical reactions have been studied, for the photochemical utilization of solar energy, as well as for utilization against pollution.1983-1995: General Chemical State Laboratory (G.C.S.L.). Mainly experienced in laboratorial items such as Quality Control of Fuel, Foodstuff and Environmental Pollution. On October of 1991 assigned with the organization of the "Pesticide Residues Laboratory" of the G.C.S.L, being experienced in pesticide residue analysis.1995-today: Institute of Physical Chemistry/Institute of Nanoscience and Nanotechnology, NCSR "Demokritos". Conducted cutting-edge research focusing on homogeneous and heterogeneous photocatalysis utilizing polyoxometalates and semiconducting oxides, Advanced Oxidation Processes (AOPs), and the photocatalytic degradation of toxic organic pollutants, alongside the photocatalytic synthesis of metal nanoparticles. This core expertise expanded into advanced environmental analysis, investigating the occurrence, fate, and underlying processes of emerging contaminants in the aquatic environment, with a particular emphasis on cyanotoxins, cyanometabolites, and water taste and odor compounds. Leveraging high-resolution mass spectrometry for the identification of organics in complex matrices, current research drives state-of-the-art environmental metabolomics, untargeted screening, bioinformatics, and robust water purification strategies.

2009-today: Technical Manager of the Environmental Analysis Laboratory, responsible for the strategic management and operation of the laboratory, which is accredited by ESYD (Accreditation Certificate Number: 580-2/ESYD) according to the ISO/IEC 17025 standard. The scope of accreditation includes, among others, the determination of microcystins, nodularin, cylindrospermopsin, and anatoxin-a in water using the LC-MS/MS technique, alongside advanced protocols for the analysis of explosives. Through these achievements, the Environmental Analysis Laboratory has been established as the only accredited laboratory in Greece to cover such a broad and highly specialized scope in both cyanotoxins and explosives.

## **DESCRIPTION OF RESEARCH ACTIVITIES**

Throughout my scientific career, my research has been dedicated to pioneering solutions in environmental chemistry, the fate of emerging contaminants, and advanced chemical analysis. In the earlier stages of my career, I focused extensively on Advanced Oxidation Processes (AOPs), specifically developing innovative homogeneous and heterogeneous photocatalytic systems. My pioneering work in polyoxometalates (POMs) and titanium dioxide (TiO<sub>2</sub>) photocatalysis laid the foundation for understanding light-driven catalytic mechanisms and led to the development of robust methods to degrade highly persistent, toxic organic pollutants. Over the years, this expertise evolved alongside emerging technological breakthroughs. The deep understanding of chemical degradation pathways gained from my early photocatalytic research paved the way for tackling increasingly complex environmental threats. A recent core part of my work involves the detection, monitoring, and detoxification of chemical warfare agents, explosives, and ammunition residues in environmental matrices, establishing strict analytical protocols for complex and hazardous compounds. Underscoring this commitment to high-level analytical precision, I play a pivotal role in the ISO/IEC 17025 accreditation of our Environmental Analysis Laboratory, specifically driving the validation and quality assurance protocols for the analysis of both cyanotoxins and explosives. Today, my research leverages the full potential of High-Resolution Mass Spectrometry (HRMS) and untargeted analysis to address modern environmental challenges. By establishing state-of-the-art environmental metabolomics and exposomics workflows, my laboratory profiles complex biological systems to track contaminants of emerging concern and monitor cellular stress responses. This comprehensive approach is powered by an advanced bioinformatics pipeline—utilizing cutting-edge computational tools like MZmine, GNPS2, and SIRIUS—bridging decades of foundational environmental chemistry with the future of data-driven molecular discovery.

## **ACHIEVEMENTS**

**Publications: 146**

**Citations: 8898, h-index: 53** ([Google Scholar](#), Last accessed: May, 2026)

**Educational Activities:** 11 PhD (E. Androulaki, A. Troupis, S. Antonaraki, E. Ghika, P. Kormali, K. Tsimeli, Th. Fotiou, S.-K. Zervou, I. Dimitrakopoulos, K. Manolidi, N. Hammoud) and 17 MSc degrees (Ch. Nezis, E. Gkika, K. Davos, P. Garifalidou, I. Chasioti, G. Alexakos, K. Tsimeli, S. Anagnostou, Th. Fotiou, S.-K. Zervou, M. Grammenou, K. Tsokou, L. Tzianos, K. Drougou, M. Touloupi, M. Kechagia, P. Gkalimanis)

## **SCIENTIFIC COMMITTEES**

1992-1995: Member of the following International Scientific Committees; Expert of the EC Sub-group "Pesticide Residues" for the Establishment of MRLs in pesticide residues in foodstuffs; Expert of the Codex Committee for Pesticide Residues of FAO-WHO; member of the ad hoc group for the methods of analysis of pesticide residues in foodstuff

1998-today: Member of the International Association of the Environmental Analytical Chemistry (IAEAC)

2002-2004: President of the Scientific Advisory Committee of Institute of Physical Chemistry of NCSR "DEMOKRITOS".

2004-2005 and 2009-2010: Member of the Research Committee of NCSR "DEMOKRITOS".

2008-2010: Secretariat of the Scientific Advisory Committee of Institute of Physical Chemistry of NCSR "DEMOKRITOS".

2013-2018: Member of WssTP Water Platform

1018-2020: Member of the Scientific Advisory Committee of Institute of Nanoscience and Nanotechnology of NCSR "DEMOKRITOS".

2007- today: Member of the National Water Council

## OTHER ACTIVITIES

- Has refereed scientific proposals for General Secretariat of Research and Technology
- Has refereed scientific proposals for EU
- Evaluator, U.S. Environmental Protection Agency (EPA) in the peer review of research applications for the Science to Achieve Results (STAR) grant, Freshwater Harmful Algal Blooms solicitation (2017)
- Referee of the European Research Council (ERC) in the peer review evaluation of research proposals under the call: ERC-2020-COG (2020)
- Evaluator, Swiss National Science Foundation (SNSF), Div. Mathematics, Physical and Engineering Sciences (2020)
- Member of the Evaluation Panel for the Marcel Benoist Prize 2022
- Scientific referee for international journals (*Environ. Sci. Technol.*, *Appl.Catal.: B: Environmental, New J. of Chemistry, Catalysis Today, Analytica Chimica Acta, Chemistry-A European Journal, J. AOAC, J. Photochem. Photobiology, J. Hazardous Materials, Water Research, Toxins* etc)
- Teaching activities: “Environmental Analytical Chemistry”, post graduate school of Institute of Physical Chemistry, NCSR "DEMOKRITOS", “Environmental Pollution. Advanced Oxidation Processes” post graduate school “Environmental Chemistry, Technology and Management” of the Department of Chemistry, University of Athens, “Cyanotoxins in surface water. Advances in identification methods and degradation processes for water purification”, Summer School NCSR “DEMOKRITOS” and “Overview of AOPs for treatment of water T&O” and “Standard method for testing photocatalytic materials for water treatment”, Training School “AOPs for water T&O”, 5-9 Sep 2022, NCSR “Demokritos”, Athens, Greece
- Co-Editor of the special issue of *J. Hazardous Materials* entitled “Nanotechnologies for the Monitoring and Treatment of Contaminated Water, Air and Soil” (2012)
- Associate Editor of the Journal of Advanced Oxidation Technologies
- Editor of the book entitled “Water Treatment for Purification from Cyanobacteria and Cyanotoxins” by J. Wiley & Sons LTD (2020)
- Co-Editor of the special issue of *Toxins* entitled “Cyanotoxins in Bloom: Ever-Increasing Occurrence and Global Distribution of Freshwater Cyanotoxins from Planktic and Benthic Cyanobacteria” (2021)
- Member of the Scientific Committee of International and Greek Conferences
- Convenor of CEN/TC 386/WG 3 Photocatalysis-Water Purification
- Has participated/coordinated in a great number of research projects from local, European and international funding bodies, public and private
- Grant Holder and Working Group Leader of the COST Action ES1105 “CYANOCOST – Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management”.
- Working Group Leader of the COST Action CA18225 “WATERTOP-Taste and Odor in early diagnosis of source and drinking Water Problems”

## FUNDED PROJECTS

### Research Projects

1. “Study of control and decontamination - remediation from explosive residues at former facilities of the company HELLENIC DEFENSE SYSTEMS S.A. (EAS) in Elefsina” (E-12727) Duration: 2/2/2024 – 01/02/2027. Budget: 225 K€ Supervisor A. Hiskia.
2. “Study of explosive material decomposition in soil and water using the reducing reagent Munirem” (E-12807) Duration: 10/2/2025 – 09/02/2028. Budget: 180 K€ Supervisor A. Hiskia.
3. “Evaluation of the elution of hazardous substances from 3D printed aligners after ageing”. The project is funded by University of Zurich, Switzerland (prof. T. Eliades). Duration 2021-2022/2022-2023. Group budget 24.000 SF. Supervisor A. Hiskia.
4. “Bioactive compounds from microalgae with application in the agro-food-pharma-cosmetic industries”. The project is funded by SOLMEYEA SA. Duration 2022-2023. Group budget 10 K€ Supervisor A. Hiskia.

5. "Identification of bioactive cyanopeptides produced in Greek lakes". Fellowship of S.-K. Zervou for Post-doctoral Research through the Operational Programme "Human Resources Development, Education and Lifelong Learning" in the context of the project "Reinforcement of Postdoctoral Researchers - 2nd Cycle" (MIS-5033021), implemented by the State Scholarships Foundation (IKY). Duration 2019-2021. Supervisor A. Hiskia.
6. "Advanced Oxidative Processes for the removal of taste and odor compounds from drinking water". Fellowship of M. Antonopoulou for Post-doctoral Research through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project "Reinforcement of Postdoctoral Researchers - 2nd Cycle" (MIS-5033021), implemented by the State Scholarships Foundation (IKY). Duration 2019-2021. Supervisor A. Hiskia.
7. "National Network on Climate Change and its Impacts—Climpact" implemented under the sub-project 3 of the project "Infrastructure of national research networks in the fields of Precision Medicine, Quantum Technology and Climate Change", funded by the Public Investment Program of Greece, General Secretary of Research and Technology/Ministry of Development and Investments. Duration 2019-2021/2023-2025. Group budget 37.5 K€
8. "Bioconversion of CO<sub>2</sub> into High-added Value Bioproducts through Sustainable Microalgae Cultivation Processes - CO<sub>2</sub>-BioProducts" (E-12257). The project is co-financed by the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation (NSRF 2014-2020), under the call RESEARCH – CREATE – INNOVATE. Duration 2018-2021. Group budget 100 K€
9. «National Infrastructure for Nanotechnology, Advanced Materials and Micro- / Nanoelectronics - INNOVATION-EL». The program is implemented under the "Reinforcement of the Research and Innovation Infrastructure" Action (MIS 5002772), funded by the Operational Programme "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020) and co-financed by Greece and the European Union (European Regional Development Fund). Duration 2018-2021. Group budget: 20 K€
10. "From source to tap: risk assessment of organic pollutants in the drinking water cycle of Athens" Fellowship of C. Christophoridis. Industrial Scholarship Program Stavros Niarchos. Duration 2017-2020. Supervisor A. Hiskia.
11. "Development of Materials and Devices for Industrial, Health, Environmental and Cultural Applications" (MIS 5002567). The project implemented under the "Action for the Strategic Development on the Research and Technological Sector", funded by the Operational Programme "Competitiveness, Entrepreneurship and Innovation" (NSRF 2014-2020) and co-financed by Greece and the European Union (European Regional Development Fund). Duration 2017-2019. Group budget 33.9 K€.
12. "Establishing a Multidisciplinary and Effective Innovation and Entrepreneurship Hub". Research Programs for Excellence GSRT/IKY/SIEMENS. Duration 2016-2017. Group budget 30.95 K€.
13. "Advanced materials and devices for energy collection and administration", Research Program "KRIPIS", financed by the Greek Ministry of Education and the European Commission. Duration 2013-2015. Group budget 11.5 K€
14. "CYANOWATER- Cyanotoxins in Fresh Waters, Advances in Analysis, Occurrence and Treatment", General Secretariat for Research and Technology (GSRT) - Greek Ministry of Education, Action "EXCELLENCE" (ARISTEIA I). Duration 2012-2015. Group budget 350 K€  
Project Coordinator Coordinator: A. Hiskia.
15. "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", The Operational Programme "Education and Lifelong Learning", Action "THALIS" Duration 2012-2015. Group budget 60 K€

16. "Determination of PAHs, pesticides and cyanotoxins in water", Research project funded by EYDAP SA. Duration 2013-2014. Group budget 32 K€ Project Coordinator: A. Hiskia.
17. "Water Detoxification Using Innovative vi-Nanocatalysts", European Union - Seventh Framework Programme, Theme [6-4] [Environment (including Climate Change) Nanosciences, Nanotechnologies, Materials and New Production Technologies – NMP], Clean Water project, Grand agreement No 227017. Duration 2009-2012. Group budget 117 K€
18. "Determination of taste and odor compounds in water", Research project funded by EYDAP SA. Duration 2009-2010. Group budget 20 K€ Project Coordinator: A. Hiskia.
19. "Development of a multi-residue method for the determination of pesticides in water by LC-MS/MS. Determination of cyanotoxins and pesticides in drinking and surface water", EYDAP S.A. Contract No 08081049-3. Duration 2008-2010. Group budget 25 K€ Project Coordinator: A. Hiskia.
20. "Development of new biomagnetic nanomaterials for medical purposes", G.S.R.T, Ministry of Development, PEP Project. Duration 2006-2008. Group budget 9.9 K€
21. "Accreditation of the Environmental Analysis Laboratory", Ministry of Development, Antagonistikotita, Project EPAN. Duration 2005-2008. Group budget 311K€ Project Coordinator: A. Hiskia
22. "Development of an integrated system for the monitoring of cyanotoxins in surface and treated water using combination of advanced analytical techniques", G.S.R.T, Ministry of Development, PABET Project. Duration 2006-2007. Group budget 27 K€
23. "Visible light induced degradation of textile dyes using tungstate catalysts", Joint Research and Technology Program with USA (Prof. P.V. Kamat), G.S.R.T, Ministry of Development, Greece. Duration 2003-2006. Group budget 59,85 K€
24. "Immobilization of Polyoxometalates in inert and active substrates employed as heterogeneous photocatalysts for the detoxification of aquatic systems", Joint Research and Technology Program with China, G.S.R.T, Ministry of Development, Greece. Duration 2003-2005. Group budget 11,7 K€
25. "Development of photocatalytic technology for the purification of toxic wastewater using metal oxides and polyoxometalates", G.S.R.T., Ministry of Development, Greece, project "ΠΠΑΞΕ". Duration 2003-2004. Group budget 44 K€ Project Coordinator: A. Hiskia.
26. "Sonochemical and photocatalytic destruction of triazine herbicides", Joint Research and Technology Program with Germany (Prof. H. Hennig), G.S.R.T, Ministry of Development, Greece. Duration 1999-2001. Group budget 13 K€
27. "Photocatalytic degradation of organic pollutants by POM and TiO<sub>2</sub>. Comparison studies", Joint Research and Technology Program with France (Dr. P. Pichat), G.S.R.T, Ministry of Development, Greece. Duration 1999-2001. Group budget 15 K€
28. "Natural and Artificial Photosynthesis", G.S.R.T., Ministry of Development, Greece, project "PENED 1999". Duration 2000-2001. Group budget 47 K€
29. "Photocatalytic management of wastewater", G.S.R.T., Ministry of Development, Greece, project EPPET II. Duration 1999-2001. Group budget 174 K€
30. "Development of decontamination technologies. Metal oxides and semiconductors in pesticides degradation", G.S.R.T., Ministry of Development, Greece, project "PENED 1999". Duration 1999-2001. Group budget 73 K€ Project Coordinator: A. Hiskia.

31. “Degradation of pollutants through homogeneous and heterogeneous photocatalysis”, Joint Research and Technology Program with Italy (Prof. E. Pelizzetti), G.S.R.T, Ministry of Development, Greece, Duration 1997-1999. Group budget 55 K€

## Networks

1. "Taste and Odor in early diagnosis of source and drinking Water Problems-WATERTOP", COST Action CA1822. Duration 2019-2023. Total estimated budget: 400K€ A. Hiskia serves as Core Group Member and Working Group Leader (WG4: Advances in Water Treatment for Removal of T&O).
2. “Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management”, COST Action ES1105. Duration 2012 – 2016. Budget 420 K€ A. Hiskia served as Manager Committee Member, Steering Group Member and Working Group Leader (WG3: Publication on Water Treatment for cyanotoxin removal).
3. “Polyoxometalate Chemistry for Molecular Nanoscience (PoCheMoN)”, COST Action CM1203. Duration 2012-2016. A. Hiskia served as Management Committee Member and Core Group Member.
4. "Photocatalysis for the mild and selective Functionalization of non-activated C-H bonds", COST Action D29. Duration 2004 – 2008
5. “Advanced Methods for the treatment of liquid wastes and neutralization of gas pollutants”, G.S.R.T., Ministry of Development, Greece, project “Human Networks for Research and Technological Education”. Duration 2000-2006.

## Other projects

1. “Support to DG Environment: Water quality assessment and pollution control through the assessment and control of episodes of toxic cyanobacterial blooms”, Ministry of Environment and Energy. Duration 2021-2024. Group budget 45K€Coordinator: A. Hiskia.
2. “Determination of cyanotoxins in water samples”. Contract with Decentralised Administration of Epirus-Western Macedonia. Duration 2018-2023. Group budget 71 K€Coordinator: A. Hiskia.
3. “Analysis of electronic cigarette fillers and aromatic compounds. Contract with Alter Ego. Duration 2016-2021/2021-2025. Group budget 250 K€Coordinator: A. Hiskia.
4. “Determination of Cyanotoxins (12 MCs, NOD, CYN, ANA) in water, biomass and fish samples, pesticides (more than 200 compounds) and N, P in water samples from Lake Karla”. Contract with the National Centre for Environment and Sustainable Development. Duration 2017 -2018. Group budget 18,6 K€Coordinator: A. Hiskia
5. Provision of specialised scientific services to the following companies and organizations among others: ETMA S.A., SHELMAN S.A., ELPE S.A., PLINIOS S.A., GLASSART S.A., EDRASOMIHANIKI S.A., ALTEK S.A., Province of Drama – Kavala – Xanthi, Water Development Department Cyprus, Institute of Nuclear Technology & Radiation Protection at NCSR “DEMOKRITOS” and Department of Biomaterials, School of Dentistry, University of Athens, Greece. Duration 2003-2019, Project Coordinator: A. Hiskia.
6. "Soil investigations, evaluation of the results and suggestions for the management of Olympic infrastructure at the area of Eliniko airport". Services Contract No 2000SM01000024. Duration 2002–2003. Group budget 47 K€ Project Coordinator: A. Hiskia.

## Publications A. Hiskia

1. E. Papaconstantinou, P. Argitis, D. Dimotikali, A. Hiskia, A. Ioannidis, "Photocatalytic Oxidation of Organic Compounds with Heteropoly Electrolytes. Aspects on Photochemical Utilization of Solar Energy", in "Homogeneous and Heterogeneous Photocatalysis" E. Pelizzetti and N. Serpone (eds), D. Reidel Publishing Co., Dordrecht, 415-431 (1986). DOI: [10.1007/978-94-009-4642-2\\_25](https://doi.org/10.1007/978-94-009-4642-2_25)
2. A. Hiskia, E. Papaconstantinou, "Selective Photocatalytic Oxidation of Alcohols by Heteropolytungstates", *Polyhedron*, 7, 477-481 (1988). DOI: [10.1016/S0277-5387\(00\)81194-8](https://doi.org/10.1016/S0277-5387(00)81194-8)
3. A. Hiskia, E. Papaconstantinou, "Selective Photocatalytic Oxidation of Alcohols by Polyoxometalates of Molybdenum and Tungsten." in "Photocatalysis and Environment", M. Schiavello (ed.), Kluwer Academic Publ., Dordrecht, 687 (1988). DOI: [10.1007/978-94-009-3015-5](https://doi.org/10.1007/978-94-009-3015-5)
4. A. A. Hiskia, E. Papaconstantinou, "Thermal and Photochemical Catalysis by Polyoxometalates. Regeneration of catalyst by Dioxygen", *Stud. Surf. Sci. Catal.*, 66, 429-435 (1991).  
B. A. Hiskia, E. Papaconstantinou, "Thermal and Photochemical Catalysis by Polyoxometalates. Regeneration of catalyst by Dioxygen" in "Dioxygen Activation and Homogeneous Catalytic Oxidations", L. I. Simandi. (ed.) Elsevier Science Publ., Amsterdam, 429-435 (1991). DOI: [10.1016/S0167-2991\(08\)62861-X](https://doi.org/10.1016/S0167-2991(08)62861-X)
5. A. Hiskia, E. Papaconstantinou, "Photocatalytic Oxidation of Organic Compounds by Polyoxometalates of Mo and W" *Inorg. Chem.*, 31, 163-167 (1992). DOI: [10.1021/ic00028a007](https://doi.org/10.1021/ic00028a007)
6. A. E. Papaconstantinou, A. Ioannidis, A. Hiskia, P. Argitis, D. Dimotikali, S. Korres "Photocatalytic Processes by Polyoxometalates. Splitting of water. The role of Dioxygen", *Mol. Eng.*, 3, 231-239 (1993). DOI: [10.1007/BF00999635](https://doi.org/10.1007/BF00999635)  
B. E. Papaconstantinou, A. Ioannidis, A. Hiskia, P. Argitis, D. Dimotikali, S. Korres, "Photocatalytic Processes by Polyoxometalates. Splitting of water. The role of Dioxygen" in "Polyoxometalates: From Platonic Solids to Anti-Retroviral Activity." A. Muller, M. T. Pope (eds), Kluwer Academic Publ., Dordrecht, 327-335 (1994). DOI: [10.1007/978-94-011-0920-8\\_24](https://doi.org/10.1007/978-94-011-0920-8_24)
7. D. Tsipi, A. Hiskia, "Pesticide residues in honey", *Chimika Chronika*, General Edition, 9, 279-280 (1994).
8. V.-Y. Panagiotopoulou, D., Tsipi, A. Hiskia, M. Scoullou, "Levels of seven PCB Congeners in the Gulf of Elefsis.", *Rapp. Comm. Int. Mer Medit.*, 34, 142 (1995)
9. D. Tsipi, A. Hiskia, Th. Heberer, H.-J. Stan, "Trace Level Determination of Polar Pesticides in Drinking Water of Greece by Gas Capillary Chromatography-Mass Spectrometry." in "On-line monitoring of micropollutants in aquatic systems", Water Pollution Research Report, E. Papadopoulou-Mourkidou and G. Angeletti (eds), European Commission Publ., 121-124 (1996).
10. D. Tsipi, A. Hiskia, "Organochlorine Pesticides and Triazines in Drinking Water of Athens" *Bull. Environ. Contam. Toxicol.*, 57, 250-257 (1996). DOI: [10.1007/s001289900183](https://doi.org/10.1007/s001289900183)

11. D. Tsipi, A. Hiskia, M. Scoullou "Levels of Organochlorine Pesticides and PCB Congeners in the Gulf of Elefsis" V-Y. Panagiotopoulou, *Fresenius Environmental Bulletin*, 5, 545-550 (1996).  
<http://www.scopus.com/inward/record.url?eid=2-s2.0-0030424191&partnerID=MN8TOARS>
12. D. Tsipi, A. Hiskia, M. Triantafyllou, "Levels of Organochlorine and Organophosphorus Pesticide Residues in Greek Honey" in "Natural Antioxidants and Food Quality in Atherosclerosis and Cancer Prevention", J. T. Kumpulainen and J. T. Salonen (eds), The Royal Society of Chemistry Publ., Cambridge, 437-444 (1996).  
DOI: [10.1533/9780857093059.437](https://doi.org/10.1533/9780857093059.437)
13. A. Mylonas, A. Hiskia, E. Papaconstantinou, "Contribution to Water Purification Using Polyoxometalates. Aromatic Derivatives, Chloroacetic Acids" *J. Mol. Catal., A : Chemical*, 114, 191-200 (1996).  
DOI: [10.1016/S1381-1169\(96\)00317-2](https://doi.org/10.1016/S1381-1169(96)00317-2)
14. A. Hiskia, A. Mylonas, D. Tsipi, E. Papaconstantinou "Photocatalytic Degradation of Lindane in aqueous Solution", *Pestic. Sci.*, 50, 171-174. (1997).  
DOI: [10.1002/\(SICI\)1096-9063\(199706\)50:2<171::AID-PS565>3.0.CO;2-H](https://doi.org/10.1002/(SICI)1096-9063(199706)50:2<171::AID-PS565>3.0.CO;2-H)
15. D. Tsipi, A. Hiskia, Th. Heberer, H.-J. Stan, "Determination of Acidic Pesticides in Drinking Water of Greece using gas capillary chromatography-mass spectrometry", *Water, Air and Soil Pollution*, 104, 259-268 (1998).  
DOI: [10.1023/A:1004963103970](https://doi.org/10.1023/A:1004963103970)
16. A. Hiskia, M. Atmajidou, D. Tsipi, "Determination of Organophosphorus Pesticide Residues in Greek Virgin Olive Oil by Gas Capillary Chromatography", *J. Agr. Food Chem.*, 46, 570-574 (1998).  
<https://doi.org/10.1021/jf970427y>
17. A. Mylonas, A. Hiskia, E. Androulaki, D. Dimoticali, E. Papaconstantinou, "New aspects of the mechanism of photocatalytic oxidation of organic compounds by polyoxometalates in aqueous solutions. The selective photooxidation of propan-2-ol to propanone: the role of OH radicals", *Phys. Chem. Chem. Phys.*, 1, 437-440 (1999).  
DOI: [10.1039/a808104b](https://doi.org/10.1039/a808104b)
18. D. Tsipi, M. Triantafyllou, A. Hiskia, "Determination of Organochlorine Pesticide Residues in Honey, applying Solid Phase Extraction with RP-C18 material", *Analyst*, 124, 473-475 (1999).  
DOI: [10.1039/a809724k](https://doi.org/10.1039/a809724k)
19. P. Calza, C. Minero, A. Hiskia, E. Papaconstantinou, E. Pelizzetti, "Photolytic and photocatalytic transformation of bromomethanes on irradiated aqueous solutions." *Appl. Catal.: B: Environmental*, 21, 191-202 (1999).  
DOI: [10.1016/S0926-3373\(99\)00022-3](https://doi.org/10.1016/S0926-3373(99)00022-3)
20. A.P. Xagas, E. Androulaki, A. Hiskia, P. Falaras, "Preparation, fractal surface morphology and photocatalytic properties of TiO<sub>2</sub> films" *Thin Solid Films*, 357, 173-178 (1999).  
DOI: [10.1016/S0040-6090\(99\)00561-1](https://doi.org/10.1016/S0040-6090(99)00561-1)
21. A. Hiskia, E. Androulaki, A. Mylonas, S. Boyatzis, D. Dimotikali, C. Minero, E. Pelizzetti, E. Papaconstantinou, "Photocatalytic mineralization of chlorinated organic pollutants in

- water by polyoxometalates. Determination of intermediates and final degradation products”, *Research Chem. Intermediates*, 26, 3, 235-251 (2000).  
DOI: [10.1163/156856700X00750](https://doi.org/10.1163/156856700X00750)
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