



## Christina Chatzichristou

Chemist

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### Education

- Department of Chemistry, University of Ioannina (1987)
- Master MSc: "Waste Management", Hellenic Open University (2010)



### Work experience

- **Lecturer** March 2024 - Present  
Department of Chemistry, School Of Sciences,  
Democritus University of Thrace, Kavala
- **Lecturer** April 2019 - March 2024  
Department of Chemistry, International  
Hellenic University, Kavala
- **Laboratory assistant** 1997 - 2013  
General Department of Sciences, TEI of Kavala,  
Kavala
- **Laboratory assistant** 2005-2019  
Department of Oenology and Beverage  
Technology in the Eastern Macedonia and  
Thrace Institute of Technology (EMaTTech),  
Drama



### Research activity

**2019-2021:** "BlackSea Basin interdisciplinary cooperation network for sustainable joint monitoring of environmental toxicants migration, improved evaluation of ecological state and human health impact of harmful substances, and public exposure prevention – MONITOX".

**2019 – 2020:** "Monitoring and utilization of the Riparian Areas of the Municipality of Drama". 1998 - 1999. Research project Optimization of drinking and industrial waters of Kavala Prefecture. The object of the research was the analysis of physicochemical and microbiological parameters in drinking waters.

**2000 – 2011:** Research project: Water quality control with chemometric treatment..

**01/05/2004 – 31/12/2005:** Archimedes: Application of Analytical Methods to the Study of Organic Residues in Ancient Ceramic Vessels.



### Publications

- N. Kamidis, A. Sapounidis, T. Spanos, C. Chatzichristou, V. Topi, S. Triantafyllidis, D. Karampetsis, P. Papadopoulou, S. Mitkidou, N. Kokkinos, A. Ene, N. Stamatis. **"Trace elements in two endemic fish species (*Barbus strumicae*, Karaman 1955 and *Squalius orpheus*, Kottelat & Economidis, 2006) of Nestos River (NE Greece): Levels, organ bioaccumulation and potential health risk"**, Journal of Mar Pollut Bull (2024). (doi: 10.1016/j.marpolbul.2024.116967)
- Sophia Mitkidou, Nikolaos Kokkinos, Elissavet Emmanouilidou, Yusuf Yohannah, Thomas Spanos, Christina Chatzichristou and Antoaneta Ene **"Investigation of Petroleum Hydrocarbon Fingerprints of Water and Sediment Samples of the Nestos River Estuary in Northern Greece"**, Appl. Sci., 12(3), 2022.
- Spanos, T., Mittas, N., Chatzichristou, C., Dermentzis K., Topi V., Spanou D.S., Ene., Teodorof L., Zubcov, E., Bogdevich, O., **"Evaluation of Potable Groundwater Quality Using Environmetrics. The case of Nestos and Strymon River Regions, Northern Greece"**, Journal of Engineering Science and Technology Review 14(1), pp. 114-118, 2021.

- Dermentzis K., Karakosta K., Chatzichristou C., Spanos T., **"Comparing Chemical Coagulation and Electrocoagulation on removal efficiency of Chromium (VI) from Galvanic Effluents"**, Journal of Engineering Science and Technology Review, 14(2), pp. 54-58, 2021.
- Thomas Spanos, Antoaneta Ene, Chrysoula STYLIANI PATRONIDOU and Christina XATZIXRISTOU **"Temporal variability of sewage sludge heavy metal content from Greek waste water treatment plants"**, Ecol Chem Engs 23(2), 271-283, 2016.
- Thomas Spanos, Antoaneta Ene, Christina Xatzichristou, Agelos Papaioannou **"Assessment of Groundwater Quality and Hydrological Profile of Kavala Area, Northern Greece"** Romanian Journal of Physics 60 (7-8) 1139-1150, 2015.
- K. Dermentzis\*, E. Valsamidou, C. Chatzichristou, S. Mitkidou, **Decolorization Treatment of Copper Phthalocyanine Textile Dye wastewater by, Electrochemical Methods**, Journal of Engineering Science and Technology, Review 6 (1), 33-37, 2011.
- Dermentzis KI, Davidis AE, Dermentzi AS, Chatzichristou CD: **A lectrostatic shielding-based coupled electrodialysis/electrodeionization process for emoval of cobalt ions from aqueous solutions**. Water Sci Technol;62(8):1947-53, 2010.
- K. Dermentzis\*, K. Ouzounis, C. Chatzichristou, A. Dermentzi, **"Ammonia removal from fertilizer plant effluent streams by an electrostatic shielding based coupled electrodialysis/electrodeionization process"**, Global NEST Journal, (submitted 2010).
- Thomas Spanos, Vasil Simeonov, John Stratis, Xatzixristou Xristina **"Assessment of Water Quality for Human Consumption"**, Microchim.Acta 141, 35-40 (2003).

## Publications in International Conferences

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- Cristina Despina, Teodorof Liliana, Daniela SeceleanuOdor, Adrian Burada, Mihaela Tiganus, Cosmin Spiridon, Marian Tudor, Antoaneta Ene, Christina Chatzichristou, **"Variations of heavy metals contamination in bottom sediments in the maritime sector of Danube River"**, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin" Kavala, GREECE, September 8 th-11th, 2020.
- Antoaneta Ene, Thomas Spanos, Elena Zubcov, Oleg Bogdevich, Liliana Teodorof, Laurentia Ungureanu, Igor Nicoara, Adrian Burada, Cristina Despina, Christina Xatzichristou, **"Natural radioactivity and risk to population in selected recreational and beach sites from Black and Aegean Seas in Romania and Greece"**, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin" Kavala, GREECE, September 8th-11th,2020.
- Thomas Spanos, Nikolaos Mittas, Christina Chatzichristou, Sophia Mitkidou, Konstantinos Dermentzis, Nikolaos Kokkinos, Vilson Topi, Despina Selina Spanou, Antoaneta Ene, Oleg Bogdevich, Elena Zubcov, Liliana Teodorof, **"Evaluation of groundwater quality through environmetrics. The case of Nestos and Strymon River regions, Northern Greece"**, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin" Kavala, GREECE, September 8th-11th, 2020.
- Christina Chatzichristou, Thomas Spanos, George Zaimes, Antoaneta Ene, Konstantinos Dermentzis, Vilson Topi, Cristina Despina, **"Assessment of physicalchemical characteristics of surface water in Nestos River: a review"**, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin" Kavala, GREECE, September 8th-11th, 2020.
- Eustratios Kampantais, Nikolaos Mittas, Sophia Mitkidou, Nikolaos Kokkinos, Despoina Babouki, Dafni Ntakaki, Thomas Spanos, Christina Xatzichristou, **"Chemometric analysis on arsenic contamination of surface water in Kavala Prefecture"**, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin" Kavala, GREECE, September 8th-11th, 2020.
- Valasia Iakovoglou, Georgios, Giatas2, Georgios Pagonis, Anastasia Savvopoulou, Iordanis Kasapidis, Pavlos Kiourtziadis, Christina Chatzichristou, Vilson Topi, Thomas Spanos, George N. Zaimes, **"Sustainable urban riparian areas – The case study of Drama city"**, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin" Kavala, GREECE, September 8th-11th, 2020.
- Konstantinos Dermentzis, Kokkoni Karakosta, Christina Chatzichristou, Thomas Spanos, **"Removal of chromium (VI) from galvanic effluents by chemical coagulation and electrocoagulation"**, MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin" Kavala, GREECE, September 8th-11th, 2020.