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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 Chatzichristou, 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 removal 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

- 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 Chatzichristou, "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 Chatzichristou, "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.