

Maria Kostopoulou - Karadanelli

Assistant Professor

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Education

- 1980-1987: Department of Chemistry, National and Kapodistrian University of Athens. PhD degree in Organometallic Chemistry and Catalysis. Grant by the National Hellenic Research Foundation.
- 1978-1981: Department of Chemistry, National and Kapodistrian University of Athens. B. Sc. Degree in Chemistry.
- 1972-1978: Université Paris VII (Jussieu), Maîtrise de Biochimie, Orientation Organic Chemistry and Microbiology.

Professional positions

- 2006- todate Department of Marine Sciences, School of the Environment, University of the Aegean. Position: Assistant Professor in Instrumental analysis with emphasis in organic chemical pollution.
- 2001-2006 Department of Marine Sciences, School of the Environment, University of the Aegean. Position: Lecturer in Instrumental analysis with emphasis in organic chemical pollution.
- 2000-2001 Department of Marine Sciences, School of the Environment, University of the Aegean. Position: Adjunct Lecturer in Instrumental analysis with emphasis in organic chemical pollution.
- 1992-2001 Department of the Environment, Directorate of Urban Planning, Prefecture of Lesvos (Mytilini). Position: Environmental Scientist.
- 1992-1998 Water and Air Quality Laboratory, Department of the Environment, School of the Environment, University of the Aegean. Position: Research Collaborator for the organization of the Research Laboratory. Research interests: Priority Organic Pollutants in environmental matrices.
- 1984-1992 Division of the Environment (Lesvos, GR), Hellenic Ministry of the Environment, Land Planning & Public works. Position: Environmental Scientist.

Research interests

- Fate and behaviour of persistent organic pollutants in environmental matrices.
- Toxicity effects of organic pollutants to aquatic organisms.
- Optimization of analytical methods for the detection and quantification of priority organic pollutants in environmental samples.

Teaching experience

Undergraduate Courses:

- General Chemistry (1st semester)
- Analytical Chemistry (2nd semester)
- Marine Pollution (5th semester)
- Aquatic Toxicology: (5th semester)

Postgraduate Courses: MsC Programme "Management of Coastal Zones"

Research projects

Scientific leader

- Impact of Human Activities on the Quality of the Coastal Environment - Evaluation of Environmental Quality Indicators for the Management of the Coastal Zone according to the Directive 2000/60, Interreg IIIA, Gr-Cy, (2006-2008).
- Harbor Sediments Pollution Assessment and Dredged Material Management, funded by NATO, (ESP/Collaborative Linkage Grant - clg 982446), (2006-2008).
- Ecotoxicological Assessment of Marine Sediments in the Framework of the Directive 2000/60/EC: Implication for the Management of Dredged Material, funded by the General Hellenic Secretariat of Research & Technology, (2006-2008).
- Monitoring the quality of the coastal area of the town of Mytilene (NE Lesvos) after the functioning of the Waste Water Treatment Plant (WWTP), funded by the Water Works of the Municipality of Mytilene (2002-2004).

Participant

- Assessment of the quality of the environment in the coastal area of Bolbi community (Strymonikos gulf, Greece), funded by the Community of Bolbi (Central Macedonia, GR). Dept of Marine Sciences, University of the Aegean, (2011-2012).
- Oceanographic study of the Northeastern Aegean Sea: the Gulf of Alexandroupolis (Greece), funded by the Prefecture of Evros. Dept of Marine Sciences, University of the Aegean (2008-2009).
- Evaluation of the transport and dispersion of pesticides in the Gulf of Gera (Lesvos, Greece), funded by the Prefecture of Lesvos. Dept of Marine Sciences, University of the Aegean (2008-2009).
- Development and application of novel technologies of chemical oxidation for the removal of organic substances from treated sewage effluents in Cyprus combined with toxicological bioassays, funded by the University of Cyprus, (2007-2009).
- Health Impacts of Long-Term Exposure to Disinfection By-Products in Drinking Water (HiWATE) funded by the European Union FP6 Programme for Research and

Technological Development (Food-CT-2006-036224), (2006-2009).

- Ecosystem Approach to Sustainable Management of the Marine Environment and its Living Resources (ECOSUMMER), funded by the European Commission through the programme Marie Curie, Research Training Opportunities for Early-stage Researchers, (2006-2009).
- Investigation of the presence and spatial distribution of pesticides in the Gulf of Gera (Lesvos, Greece), funded by the Prefecture of Lesvos. Dept of Marine Sciences, University of the Aegean, (2005-2006).
- Quality of Life and Management of Living Resources Program Microalgae as Cell Factories for Chemical and Biochemical Products (ALGINET), funded by the European Commission (QLRT-2001-02132), (2002-2005).
- MED POL Monitoring Project: Marine monitoring along the coastal area of the island of Lesvos, funded by the Ministry of the Environment, Land Planning & Public works and FEDER/EEC. Dept of the Environment, University of the Aegean, (2004-2006).
- Monitoring of Seawater and Shellfish Quality of Kalloni, Gera and Moudros Gulfs, funded by the Prefecture of Lesvos. Dept of Marine Sciences, University of the Aegean, (2002-2005).
- Investigation of the Presence of Heavy Metals and Volatile Organic Compounds in the Drinking Water of Mytilini (Lesvos, Greece), funded by Water Works of the Municipality of Mytilini. Dept of the Environment, University of the Aegean.
- Monitoring of the Priority Substances of Directives 76/464/EEC and 2000/60/EC in Greek Water Bodies, funded by the Hellenic Ministry of the Environment, Land Planning & Public works. Dept of the Environment, University of the Aegean, (1996-1999).
- Influence of eutrophication on the survival of the marine microbial flora, funded by WHO/UNEP, (ICP/CEH 042). Dept of the Environment, University of the Aegean, (1991-1993).

Publications

Dissertation:

Kostopoulou, M., 1987. Synthesis of aromatic substituted thioethers and study of their degradation mechanism by using radical anions, (163pp). Department of Chemistry, National and Kapodistrian University of Athens (Supervisor: Screttas, C. National Hellenic Research Foundation, Athens, GR).

Peer-reviewed Journals:

1. Tsiaka, P., Tsarpali, V., Ntaikou, I., Kostopoulou, M.N., Lyberatos, G., Dailianis, S., (2013). Carbamazepine-mediated pro-oxidant effects on the unicellular marine algal species *Dunaliella tertiolecta* and the hemocytes of mussle *Mytilus galloprovincialis*. *Ecotoxicology*, (DOI 10.1007/s10646-013-1108-3).
2. Kostopoulou, M., Guida, M., Nikolaou, A., Oral, R., Trifuoggi, M., Borriello, I., Vagi, M., D' Ambra, A., Meric, S., Pagano, G., (2013). Inorganic and organic Contamination in Sediment from Izmir Bay (Turkey) and Mytilene Harbor (Greece). *Global NEST J.* 15, 57-68.
3. Smith, R.B., Nieuwenhuijsen, M.J., Wright, J., Raynor, P., Cocker, J., Jones, K., Kostopoulou-Karadanelli, M., Toledano, M.B., (2013). Validation of trichloroacetic acid exposure via drinking water during pregnancy using a urinary TCAA biomarker. *Environ. Res.*, (<http://dx.doi.org/10.1016/j.envres.2013.05.004>).
4. Strittmatter, M., Gachon, C.M.M., Müller, D.G., Kleinteich, J., Heesch, S., Tsigoti, A.,

- Katsaros, C., *Kostopoulou, M.*, Küpper, F.C., (2013). Intracellular eukaryotic pathogens in brown macroalgae in the Eastern Mediterranean, including LSU rRNA data for the oomycete *Eurychasma dicksonii*. *Diseases of Aquatic Organisms* 104, 1-11.
5. Oral, R., *Kostopoulou, M.*, Guida, M., Nikolaou, A., Quiniou, F., Trifuoggi, M., Borriello, I., Vagi, M., D'Ambra, A., Pagano, G., (2012). Marine Sediment Contamination and Toxicity in Izmir Bay and Mytilene Harbor (Aegean Sea). *Turkish Journal of Fisheries and Aquatic Sciences* 12: 1-2 (DOI: 10.4194/1303-2712-v12_3_05).
 6. Grazuleviciene, R., Nieuwenhuijsen, M.J., Jone Vencloviene, J., *Kostopoulou-Karadanelli, M.*, Krasner, S.W., Danileviciute, A., Balcius, G., Kapustinskiene, V., (2011). Individual exposures to drinking water trihalomethanes, low birth weight and small for gestational age risk: a prospective Kaunas cohort study. *Environmental Health* 10, 2-11.
 7. Vagi, M.C., Petsas, A.S., *Kostopoulou, M.N.*, Lekkas, T.D., Lekkas, 2010. Adsorption and desorption processes of selected organophosphorous pesticides on three Greek agricultural soils. *International Journal of Environmental Analytical Chemistry* 90, 369-389.
 8. Nikolaou, A., *Kostopoulou, M.*, Lofrano, G., Meric, S., 2009. Determination of PAHs in marine sediments: Analytical Methods and Environmental Concerns. *Global NEST J.* 11, 391-405.
 9. Nikolaou, A., *Kostopoulou, M.*, Lofrano, G., Meric, S., Petsas, A., Vagi, M., (2009). Levels and toxicity of PAHs in marine sediments. *Trends in Analytical Chemistry* 28, 653-664.
 10. *Kostopoulou, M.*, Nikolaou, A., (2008). Analytical problems and the need for sample preparation in the determination of pharmaceuticals and their metabolites in aqueous environmental matrices. *Trends in Analytical Chemistry* 27, 1023-1035.
 11. Vagi, M.C., Petsas, A.S., *Kostopoulou, M.N.*, Karamanoli, M.K., Lekkas, T.D., (2007). Determination of organochlorine pesticides in marine sediments samples using ultrasonic solvent extraction followed by GC/ECD. *Desalination* 210, 146-156.
 12. Kitsiou, D., Nitis, T., *Kostopoulou, M.*, Maravelakis, N., Maneas, G., (2007). Evaluation of spatial interpolators in the framework of a geographical information system : a case study using oceanographic data. *Proc. SPIE, Remote Sensing for Environmental Monitoring, GIS Applications, and Geology VII*, 67490C (doi:10.1117/12.738209).
 13. Aloupi, M., Angelidis, M.O., Gabriel, G., *Karantanelli, M.*, Koulousaris, M., Nikolaou, A., Petsas, A., Tsirtsis, G., Vagi, M., Vlatsiotou, F., (2007). Marine monitoring along the eastern coastal area of the island of Lesbos, Greece during 2004 in the Framework of MEDPOL III. *Global Nest J.* 9, 83-97.
 14. Vagi, M.C., *Kostopoulou, M.N.*, Laloussi, M.E., Rasouli, Ch., Lekkas, T.D., (2005). Toxicity of Organophosphorous Pesticides to the Marine Alga *Tetraselmis suecica*. *Global Nest J.* 7, 222-227.
 15. Lekkas, T.D., *Kostopoulou, M.*, Kolokythas, G., Thomaidis, N., Golfopoulou, S., Kotrikla, A., Pavlogeorgatos, G., Stasinakis, A., Nikolaou, A., Gatidou, G., Petsas, A., Vagi, M., Babos, D., Lekkas, D., Makri, C.A., (2004). Optimization of analytical methods for the determination of trace concentrations of toxic pollutants in drinking and surface waters. *Global – Nest: the International* 5, 133-143.
 16. Nikolaou, A.D., Golfopoulos, S.K., Lekkas, T.D., *Kostopoulou, M.N.*, (2004). DBP levels in chlorinated drinking water: effect of humic substances. *Environmental Monitoring and Assessment* 93, 301-319.
 17. Lekkas, T., Kolokythas, G., Nikolaou, A., *Kostopoulou, M.*, Kotrikla, A., Gatidou, G., Thomaidis, N. S., Golfopoulos, S., Makri, Ch., Babos, D., Vagi, M., Stasinakis, A., Petsas, A., Lekkas, D., (2004). Evaluation of the pollution of the surface waters of Greece from the priority compounds of List II, 76/464/EEC Directive and other toxic compounds. *Environmental Inter.* 30, 995–1007.
 18. Lekkas, T. *Kostopoulou, M.*, Petsas, A., Vagi, M., Golfopoulos, S., Stasinakis, A., Thomaidis, N., Pavlogeorgatos, G., Kotrikla, A., Gatidou, G., Xilourgides, N., Kolokythas, G., Makri, C., Babos, D., Lekkas, D., Nikolaou, A., (2003). Monitoring priority substances of Directives 76/464/EEC and 2000/60/EC in Greek water bodies. *J.*

- Environmental Monitoring 5, 593-597.
19. Golfinopoulos, S.K., Nikolaou, A.D., *Kostopoulou, M.N.*, Xilourgides, N.K., Vagi, M.C., Lekkas, D. T. (2003). Organochlorine pesticides in the surface waters of Northern Greece. *Chemosphere* 50, 507-516.
 20. Nikolaou, A.D., Golfinopoulos, S.K., *Kostopoulou, M.N.*, Kolokythas, G.A., Lekkas, T.D., (2002). Determination of volatile organic compounds in surface waters and treated wastewater in Greece. *Water Res.* 36, 2883-2890.
 21. Nikolaou, A.D., Lekkas, T.D., Golfinopoulos, S.K., *Kostopoulou, M.N.*, (2002). Application of different analytical methods for determination of volatile chlorination by-products in drinking water. *Talanta* 56, 717-726.
 22. Nikolaou, A.D., Golfinopoulos, S.K., *Kostopoulou, M.N.*, Lekkas, T.D., (2002). Determination of haloacetic acids in water by acidic methanol esterification GC-ECD method. *Water Res.* 36, 1089-1094.
 23. Nikolaou, A.D., Lekkas, T.D., *Kostopoulou, M.N.*, Golfinopoulos, S.K., (2001). Investigation of the behaviour of haloketones in water samples. *Chemosphere* 44, 907-912.
 24. Nikolaou, A.D., Golfinopoulos, S.K., *Kostopoulou, M.N.*, Lekkas, T.D., (2000). Decomposition of dihaloacetonitriles in water solutions and fortified drinking water samples. *Chemosphere* 41, 1149-1154.
 25. *Kostopoulou M.N.*, Golfinopoulos S.K., Nikolaou A.D., Xilourgides N.K. Lekkas T.D., (2000). Volatile organic compounds in the surface waters of Northern Greece. *Chemosphere* 40, 527-532.
 26. Nikolaou N.D., *Kostopoulou M.N.*, Lekkas T.D., (1999). Organic By-products of Drinking Water chlorination: a Review. *Global NEST: the Int. Journal* 1, 143-156.
 27. Pavlogeorgatos G., *Karadanelli M.*, Lekkas D., (1998). Determination of Cadmium in the surface waters of Northern Greece. *Toxicol. Environ. Chem.* 9, 165-169.
 28. Golfinopoulos S.K., Xilourgides N.K., *Kostopoulou M.N.*, Lekkas T.D., (1998). Use of a multiple regression model for predicting Trihalomethane formation. *Water Res.* 32, 2821-2829.
 29. Golfinopoulos S.K., *Kostopoulou M.N.*, Lekkas T.D., (1998). Volatile halogenated organics in the water supply system in Athens, Greece. *Water Res.* 32, 1811- 1818.
 30. Golfinopoulos S.K., *Kostopoulou M.N.*, Lekkas T.D., (1996). THM formation in the high-bromide water supply of Athens. *J. Environ. Sci. Health* 31, 67-81.

International Conference Presentations:

- Petsas, A, Vagi, M., Nikolaou, A., *Kostopoulou, M.*, (2013). Trends in the analysis of pollutant transformation products in the marine environment. Proceedings of 15th International Conference on Environmental Science and Technology (CEST), Vol. A 1478-1494pp, Athens, Greece 5-7 September, 2013.
- Kitsiou, D., *Kostopoulou, M.*, Varnava, V., Koufa, K., (2013). Assessment of the vulnerability of coastal areas to the application of pesticides using GIS and multiple Criteria choice Methods. 4th Inter. Conference on Environmental Management, Engineering, Planning and Economics, CEMEPE-SECOTOX, 330pp, Mykonos, Greece, 24 to 28 June, 2013.
- Petsas, A.S., Vagi, M.C., Pavlaki, M.D., Smaragdaki, N.M., *Kostopoulou, M.N.*, Lekkas, T.D., (2013). Toxic effects of azinphos methyl and azinphos ethyl on growth and chlorophyll pigments production of marine unicellular microalgae *Tetraselmis suecica*. 13th International Conference on Environmental Science and Technology (CEST), Athens, Greece, 5-7 September, 2013.
- Petsas, A.S., Vagi, M.C., *Kostopoulou, M.N.*, Lekkas, T.D., (2013). Photocatalytic degradation of the organophosphorus pesticide fenthion in aqueous suspensions of TiO₂

under UV irradiation. 13th International Conference on Environmental Science and Technology (CEST), Athens, Greece, 5-7 September, 2013.

- Vagi, M.C., Petsas, A.S., *Kostopoulou, M.N.*, Pavlaki, M.D., Smaragdaki, N.M., Lekkas, T.D., (2012). Toxic effects of fenthion on growth and chlorophyll pigments production of marine unicellular microalgae *Tetraselmis suecica*. PESTICIDES 2012: 7th European Conference on Pesticides and Related Organic Micropollutants in the Environment and 13th Symposium on Chemistry and Fate of Modern Pesticides, 381pp, Porto, Portugal, 7-10 October 2012.
- Vagi, M.C., Petsas, A.S., *Kostopoulou, M.N.*, Lekkas, T.D., (2010). Kinetic Parameters of Hydrolysis Process of Fenthion in Different Types of Natural Water. Protection and Restoration of the Environment X, 5-9 July 2010, Corfu, Greece.
- Petsas A.S., Vagi M.C., *Kostopoulou M.N.*, Lekkas T.D., (2009). Photodegradation of disulfoton under sunlight radiation in different environmental matrices such as natural waters and sediments. Proceedings of 11th International Conference on Environmental Science and Technology (CEST), Vol. A, 1136-1143pp, Chania, Crete, 3-5 September, 2009.
- Vagi, M.C., Petsas, A.S., *Kostopoulou, M.N.*, Lekkas, T.D., (2009). Adsorption and desorption processes of parathion ethyl on greek soils. Proceedings of 11th International Conference on Environmental Science and Technology (CEST), Vol. A1478-1494pp, Chania, Greece 3-5 September, 2009.
- Kitsiou, D., *Kostopoulou, M.N.*, Pataki, Z., Karydis, M., (2009). Geostatistical analysis for assessing eutrophication trends: a case study in the Strait of Lesvos, Greece. 2nd Inter. Conference on Environmental Management, Engineering, Planning and Economics, CEMEPE-SECOTOX, Vol. III, 1723-1728pp, Mykonos, Greece, 21 to 26 June, 2009.
- Petsas, A.S., Vagi, M.C., Pavlaki, M.D., Smaragdaki, N.M., *Kostopoulou, M.N.*, (2009). Acute Toxicity of Selected Organophosphorus Pesticides to the Green Unicellular Marine Alga *Tetraselmis suecica*. 2nd Conference on Environmental Management, Engineering, Planning and Economics CEMEPE-SECOTOX, Vol. I., 153-158, June 21 to 26, 2009, Mykonos, Greece.
- Vagi, M.C., Petsas, A.S., *Kostopoulou, M.N.*, Lekkas, T.D., (2009). Environmental Fate and Persistence of the Organophosphorus Pesticide Disulfoton in Different Types of Natural Water. 2nd Conference on Environmental Management, Engineering, Planning and Economics CEMEPE-SECOTOX, Vol. I, 575-580, June 21 to 26, 2009, Mykonos, Greece.
- Martsouka F., Hasiotis T., Maneas G., *Kostopoulou M.*, (2009). Sediment Distribution and Sedimentary Processes in the Coastal Zone of SE Lesvos Island. 9th Hellenic Symposium of Oceanography and Fisheries, Vol. I, 202-207, 13-16 May 2009, Patra, Greece.
- Tsiridis L., Hasiotis T., Triantaphyllou M., *Kostopoulou M.*, (2009). Preliminary Results of Benthic Foraminifera Distribution in the Coastal Zone of SE Lesvos, NE Aegean Sea.. 9th Hellenic Symposium of Oceanography and Fisheries, Vol. I, 590-595, 13-16 May 2009, Patra, Greece.
- Smaragdaki N., Pavlaki M., Petsas A.S., Vagi M.C., *Kostopoulou-Karadanelli M.N.*, (2009). Evaluation of Toxicity of Selected Organophosphorus Pesticides by Marine Micro Alga *Tetraselmis suecica*.. 9th Hellenic Symposium of Oceanography and Fisheries, Vol. II, 1307-1312, 13-16 May 2009, Patra, Greece.
- Politi E., Kitsiou D., *Kostopoulou M.*, Karydis M., (2009). Quality Assessment for Coastal Zone Management: the Case of Mytilene, Greece. 9th Hellenic Symposium of Oceanography and Fisheries, Vol. I, 311-315, 13-16 May 2009, Patra, Greece.
- *Kostopoulou M.*, Petsas A., Vagi M. Nikolaou A., (2009). Analytical Optimizations and Problems during the Development of a GC-MS Method for the Determination of Selected

Pharmaceuticals in Aqueous Samples. Xenobiotics in the Urban Water Cycle (XENOWAC), 13 – 16 March 2009, Paphos, Cyprus.

- *Kostopoulou, M.,* Argyrou, M., Karydis, M., Kitsiou, D., Koutsoubas, D., Tsirtsis, G., Hasiotis, T., (2008). Human Activities on the Quality of the Coastal Environment and Assessment of Environmental Quality Indicators in the Framework of the Coastal Zone Management according to the Directive 2000/60. 3rd International Conference of Water and Science Technology (AQUA 2008), 16-19 October 2008, Athens, Greece.
- Petsas A., *Kostopoulou M.,* Voutsas D., Pothitou P., Grigoratos Th., Tziolas N., Anthemidis A., Kouimtzis Th., (2008). Disinfection By-Products Detected in Several Towns of Greece – Correlation with the Physicochemical Parameters of the Water. Proceedings of the 3rd Environmental Conference of Macedonia, 14–17 March 2008, Thessaloniki, Greece.
- Petsas A.S., Vagi M.C., *Kostopoulou M.N.,* Pavlaki M.N., Smaragdaki M.N., Lekkas T.D., (2007). Acute Toxicity of Fenthion and Dimethoate in the Marine Environment. Proceedings of the 10th Conference on Environmental Science and Technology, Vol. A, 1160-1167pp, 5-7 September, Kos, Greece.
- *Kostopoulou M.,* Mylona A., Nikolaou A., Lofrano G., Meric S., Belgiorno V., (2007). Determination of Polycyclic Aromatic Hydrocarbons in the Harbour Sediments of Mytilene, Greece. Proceedings of the 10th Conference on Environmental Science and Technology, Vol A-723-726pp, 5-7 September, Kos, Greece.
- *Kostopoulou M.N.,* Tsirtsis G., Zoboli O., Gioousoglou K., (2007). Spatial and Temporal Trends of Ecological Variables along Intermittent Rivers Influenced by Anthropogenic Processes in the Surrounding Watershed. Proceedings of the International Conference on Environmental Management, Engineering, Planning and Economics, 862pp, 24-27 June 2007, Skiathos, Greece.
- Petsas A.S., Vagi M.C., *Kostopoulou M.N.,* Lekkas T.D., (2007). Titanium Dioxide Mediated Photocatalytic Degradation of Organophosphorous Pesticides in Aqueous Suspensions of TiO₂ and TiO₂-H₂O₂. Proceedings of the International Conference on Environmental Management, Engineering, Planning and Economics, 1425-1430pp, 24-27 June 2007, Skiathos, Greece.
- Kitsiou D., *Kostopoulou M.N.,* (2007). A Methodology for Assessing the Current State and Future Trends in Coastal Areas: The Case of Kalloni Bay, Lesvos, Greece, Rapp. Comm. Int. Mer Med. Vol. 38, 679pp, 9-13 April 2007, Instabul (Turkey).
- Vagi M.C., Petsas A.S., Karamanoli M.K., *Kostopoulou M.N.,* (2005). Determination of Organochlorine Pesticides in Marine Sediments using Ultrasonic Solvent Extraction and Soxhlet Extraction followed by GC/ECD. Proceedings of the 9th Conference on Environmental Science and Technology, Vol. A, 1548-1553pp, 1-3 September, Rhodes, Greece, 2005.
- Vagi M.C., *Kostopoulou M.N.,* Petsas A.S., Laloussi M.E., Rasouli CH., Lekkas T.D., (2005). Toxicity of Organophosphorous Pesticides to the Green Alga *Tetraselmis suecica*. Proceedings of the 9th Conference on Environmental Science and Technology, Vol. A, 1543-1547pp, 1-3 September, Rhodes, Greece, 2005.
- Vagi M.C., Petsas A.S., *Kostopoulou M.N.,* Lekkas T.D. (2003). Monitoring of Pesticide Residues in the Surface Waters of Greece. Proceedings of the XII Symposium of Pesticide Chemistry, 907-914pp, June 04-06, 2003, Piacenza, Italy.
- Lekkas, T., *Kostopoulou, M.,* Kolokythas, G., Thomaidis, N., Golfopoulou, G., Kotrikla, A., Pavlogeorgatos, G., Stasinakis, A., Nikolaou, A., Gatidou, G., Petsas, A., Vagi, M., Babos, D., Lekkas, D., Makri, C.A., (2003). Optimization of Analytical Methods for the Determination of Trace Concentrations of Toxic Pollutants in Drinking and Surface

Waters. 8th Conference on Environmental Science and Technology, Vol. A, 547-556pp, Lemnos, Greece, 8-10 September 2003.

- Lekkas T.D., *Kostopoulou M.N.*, Nikolaou A.D., Golfopoulos S.K., Kolokythas G.A. (2002). A Four-Year Survey on the Occurrence of Volatile Organic Compounds and Legislative Control of their Concentrations in the Surface Waters of Greece. 1st Environmental Conference of Macedonia, 128-133pp, Thessaloniki, 1-4 March 2002.
- Vagi M.C., Petsas A.S., *Kostopoulou M.N.*, Lekkas T. D., (2001). Review: Sample Handling Strategies for the Trace- Level Determination of Pesticides and their Degradation Products in Environmental Matrices. 7th Conference of Environmental Studies & Technology, Vol. III, 565-571pp, Syros, Greece, 3-6 September 2001.
- Lekkas T., Kolokythas G., Nikolaou A., *Kostopoulou M.*, Kotrikla A., Gatidou G., Thomaidis N., Golfopoulos S., Makri Ch., Babos D., Vagi M., Stasinakis A., Petsas A. (2001). Existence of Priority Pollutants in Greek Surface Waters and Legal Instruments for their Protection in Compliance with 76/464/EEC Directive. 7th Conference of Environmental Studies & Technology, 524-533pp, Vol.II, Syros, Greece, 3-6 September 2001.
- Vagi M.C., Petsas A.S., *Kostopoulou M.N.*, Lekkas T.D., (2000). Monitoring of Pesticide Residues in the Surface Waters of Greece. 5th International Conference: Protection and Restoration of the Environment-V, Vol. I, 181pp, Thassos, Greece, 3-6 July 2000.
- Nikolaou A.D., *Kostopoulou M.N.*, Golfopoulos S.K., Lekkas T.D., (2000). Determination of Volatile Chlorinated Pesticides and other Volatile Compounds in Surface Waters (Poster presentation). Proceedings of 1st European Conference on Pesticides and Related Micropollutants in the Environment, Ioannina, Greece, 5-8 October 2000.
- Lekkas T.D., Nikolaou A.D., *Kostopoulou M.N.*, Golfopoulos S.K., (2000). Comparison of two Analytical Methods for the Determination of Chlorination By-products in Water. 5th International Conference: Protection and Restoration of the Environment -V, Vol I, 147pp, Thassos, Greece, 3-6 July 2000.
- Nikolaou N.D., Golfopoulos S.K., *Kostopoulou M.N.*, Lekkas T.D., (1999). Development of a Purge and Trap-Gas Chromatographic-Mass Spectrometric Method for THMs Determination. Proceedings of an International Conference on Instrumental Methods of Analysis - Modern Trends and Applications, Vol. II, 373pp, IMA 99, Chalkidiki, Makedonia, Greece, 19-22 September 1999.
- Golfopoulos S., Xilourgides N., *Kostopoulou M.*, Lekkas T., (1997). Use of a Multiple Regression Model for Predicting Trihalomethane Formation in Galatsi Treatment Plant of Athens. Proceedings of 5th International Conference on Environmental Sciences & Technology, Vol I, 546-555pp, Molyvos, Lesvos, Greece, 1-4 September 1997.

Chapters in Books:

- Lofrano G., Nikolaou A., **Kostopoulou M.**, Belgiorno V., Napoli R.M.A., Occurrence and Measurements of Organic Xenobiotic Compounds in Harbour and Coastal Sediments. D. Fatta-Kassinos et al. (eds.), "Xenobiotics in the Urban Water Cycle: Mass Flows, Environmental Processes, Mitigation and Treatment Strategies", Cycle' (Springer Environmental Book Series Volume), Environmental Pollution, 2010, Volume 16, Part I, pp. 129-145, DOI: 10.1007/978-90-481-3509-7_7, 2010.

Nikolaou A.D., Fatta-Kassinos D., **Kostopoulou-Karadanelli M.**, Meric S., Behavior of pharmaceuticals and their degradation products during wastewater treatment, Edited Collection "Sewage Treatment: Uses, Processes and Impact". Editors: A. Stephens & M. Fuller. NOVA Science Publishers, Inc., 2009, (ISBN: 978-1-60692-959-9).