

# **CURRICULUM VITAE**

## **PERSONAL DATA**

Name : Nikolaos G. TSIROPOULOS  
Occupation: Professor of Chemistry  
(Analytical-Environmental Analytical Chemistry),  
Director of Analytical Chemistry and Pesticides Laboratory  
University of Thessaly, School of Agricultural Sciences  
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## **EDUCATION**

- B.Sc. (Hons) in Chemistry, Aristotle University of Thessaloniki, Greece (1983).
- D.E.A. in Pollution Chemistry, Paul Sabatier University of Toulouse, France (1984).
- Doctorat in Environmental Analytical Chemistry, ENSCT - Institut National Polytechnique de Toulouse, France (1988). Laboratory Chemistry -Energy - Environment, Prof. L. Torres.

## **RESEARCH FIELDS**

1. Environmental Analysis and Pollution chemistry
2. Chromatographic and sample preparation techniques for the analysis of organic compounds.
3. Development and validation of analytical methods for determination of organic micro-pollutants (pesticides, PCBs, phthalates, solvents, biogenic compounds etc.) in environmental and food samples.
4. Physicochemical behavior of organic micro-pollutants in environment. Transportation of pesticides in environmental compartments. Degradation, Adsorption-desorption studies. Pesticides pollution control - biobeds development
5. Physicochemical behavior of pesticides in food processing (wine making, fruit drying, juice processing, fruit conservation).
6. Efficacy of natural products and plant extracts

## **RESEARCH EXPERIENCE**

- Project ATILA (Action des Terpenes et de l'Isoprene a La chimie Atmospherique). Research Fellow (Campaign in Foret des Landes, France), 1984.
- Project P.I.R.EN. (Programme Interdisciplinaire de Recherche pour l' ENVironnement) - (C.N.R.S.). Research Fellow (Laboratory Chemistry -Energy -Environment, ENSCT-Toulouse, France). 1984-1988.
- Project "Persistence of the herbicides Pendimethalin and Trifluralin in cultivated soils in Thessaly, Greece". Scientific Coordinator. Project funded by the Research Committee of University of Thessaly. 1988.
- Project "Evaluation of agrochemical inputs in Pagassitikos Gulf. Determination of persistent organics in the sediment and biota in Pagassitikos Gulf". Scientific Coordinator, Project funded by the Prefecture of Magnesia. 1998-2000.
- Project «Performance of 11 Greek Laboratories through a proficiency test on the analysis of grapes for the determination of residues of pesticides». Participation, Project organized by the Benaki Phytopathological Institute, Greece. 2001.
- Project "Monitoring of the drinking water quality of Volos city. Determination of solvents and Trihalomethanes». Scientific Coordinator, Project funded by the Prefecture of Magnesia. 2001-2002, 2002-2004, 2004-2009
- Project "Monitoring of Post harvest treated apples quality. Determination of pesticides residues". Scientific Coordinator, Project funded by the Research Committee of University of Thessaly. 2002-03.
- Project «Pesticides Monitoring for industrial tomatoes» Scientific Coordinator, Project funded by Agricultural Cooperation of Volos. 2002-2003
- Project «Monitoring the quality of marine environment- the case of pesticides and PCBs in Pagassitikos Gulf» Part of the Greek MED-POL Program, 2003-2006.
- Project «Pesticides behavior in the greenhouse environment» as Researcher, Project funded by the Ministry of National Education-EPEAEK in the frame of Pythagoras I, (Scientific Coordinator Pr. C. Kittas), 2004-2006.
- Project «Study of the environmental behavior, the biological efficacy and the ecotoxicity of the organophosphorus nematocide fosthiazate» Scientific Coordinator, Project funded by Ministry of National Education-EPEAEK in the frame of Pythagoras II, 2005-2007
- Project «Diphenylamine contamination in postharvest facilities environment. Evaluation of techniques for diphenylamine' uses reduction» Scientific Coordinator, Project funded by the Research Committee of University of Thessaly, 2009-10.
- Project «Evaluation of biobeds for the decontamination of wastewaters of agricultural origin – BIOBEDS» as Researcher, Project funded by the Institute of Research Promotion of Cyprus (Scientific Coordinator As. Pr. D. Karpouzias), 2009-2011.
- Project «Ozone application for improving postharvest handling of edible horticultural products-HORTOZONE» as Researcher, Project funded by Ministry of National Education- NSRF in the frame of Thalys, (Scientific Coordinator Pr. M. Vassilakakis-AUTH), 2011-2015.

## **TEACHING EXPERIENCE:**

University of Thessaly, Greece. (1993-2015). General Chemistry, Organic Chemistry, Environmental Chemistry and Toxicology, Analytical Chemistry, Pollution control technologies, Residues analysis and chemistry. (Graduate and postgraduate courses). Supervisor of graduate student's thesis, and postgraduate student's research thesis (21, completed 13 completed), Supervisor of PhD thesis (3, completed 2).

## **MEMBER OF SCIENTIFIC SOCIETIES**

Hellenic Association of Chemists  
Society of Ecotoxicology and Environmental Safety  
International Association of Environmental Analytical Chemistry

## **REVIEWER IN INTERNATIONAL JOURNALS**

*Analytica Chimica Acta, Journal of Chromatography, Journal of Agricultural and Food Chemistry, International Journal of Environmental Analytical Chemistry, Journal AOAC International, Journal of Chromatographic Sciences, Hellenic Plant Protection Journal, Water Air and Soil Pollution, LWT - Food Science and Technology, Journal of Hazardous Materials, Chemical papers, Chemistry and Ecology, Biodegradation, Food Chemistry, Talanta, Chemosphere, Science of the Total Environment, Journal of the Brazilian Chemical Society..*

## **CITATIONS OF PUBLISHED PAPERS**

>530 (self-citations from any of the co-authors excluded; Scopus, Web of Science, accessed April, 2015), h-index: 153.

## **PUBLICATIONS**

- 1) M.L. Riba, J.P. Tathy, N. Tsiropoulos, B. Monsarat and L. Torres. "Diurnal variation in the concentration of  $\alpha$ -pinene and  $\beta$ -pinene in the Landes forest France" ***Atmos. Envir.***, 21,1 : 191-193, ( 1987 ).
- 2) M.L. Riba, N. Tsiropoulos and L. Torres. "Efficiency of adsorption-desorption of volatile compounds. Application of isoprene from Tenax GC" ***J. Chromatogr. A***, 437 (1) : 139-146, (1988).
- 3) M.L. Riba, N. Tsiropoulos, B. Clement, A. Golfier and L. Torres. "Preconcentration and analysis of atmospheric isoprene and monoterpenes. System Automation" ***J. Chromatogr. A***, 456 (1): 165-173, (1988).
- 4) N.G. Tsiropoulos and G.E. Miliadis. "Field persistence studies on pendimethalin residues in onions and soil after herbicide post-emergence application in onion cultivation" ***J. Agric. Food Chem.***, 46:291-295, (1998).
- 5) N.G. Tsiropoulos, P.G. Aplada-Sarlis and G.E. Miliadis. "Determination of benzoylurea insecticides in apples and pears by solid-phase extraction cleanup and Liquid Chromatography with UV detection" ***J. Assoc. Off. Anal. Chem.***, 82: 213-216, (1999).

- 6) G.E. Miliadis, N.G. Tsiropoulos and P.G. Aplada-Sarlis. "High-performance liquid chromatographic determination of benzoylurea insecticides residues in grapes and wine using liquid and solid-phase extraction" **J. Chromatogr. A**, 835 (1-2): 113-120, (1999).
- 7) P. Aplada-Sarlis, G.E. Miliadis and N.G. Tsiropoulos. "Dissipation of Teflubenzuron and Triflumuron Residues in residues in field-sprayed and cold stored pears" **J. Agric. Food Chem.**, 47(7), 2926-29, (1999).
- 8) N.G. Tsiropoulos, P.G. Aplada-Sarlis and G.E. Miliadis. "Evaluation of Teflubenzuron residue levels in grapes exposed to field treatments and in the must and wine produced from them" **J. Agric. Food Chem.**, 47 (11), 4583-4586, (1999).
- 9) K. Liapis, G. Miliadis and N. Tsiropoulos. "Confirmation and determination of pesticides residues in water samples by mass spectrometry", **Bull. Environ. Contam. Tox.**, 65, 811-817, (2000).
- 10) N.G. Tsiropoulos and P.C. Lolas. "Persistence of pendimethalin in cotton fields under sprinkler or drip irrigation in central Greece", **Int. J. Environ. Anal. Chem.** 84 (1-3), 199-205, (2004).
- 11) P.G. Aplada-Sarlis, G.E. Miliadis, K. Liapis and N.G. Tsiropoulos. "Gas chromatographic determination of residues of 11 insecticides and 2 metabolites on olive tree leaves", **J. Assoc. Off. Anal. Chem.**, 87 (1), 146-150, (2004).
- 12) M. Podimata, E. Koutseris, N. Tsiropoulos. "Water quality assessment by ecotoxicological and chemical methods in Magnesia, Greece" , **Water, Air & Soil Pollution: Focus 4**: 179-187, (2004).
- 13) Y. Gounaris, J.Y. Berthon, C. Litinas, L. Leondiadis, N.G. Tsiropoulos. "Spectroscopic comparison of rose callus methanol-extractable lignin to lignin extracted from differentiated rose tissue by alkaline treatment", **Journal of Food, Agriculture & Environment – JFAE**, 3 (2), 161-168, (2005).
- 14) N.G. Tsiropoulos, D. T. Likas, D. Karpouzas. "Liquid Chromatographic Determination of Fosthiazate Residues in Environmental Samples and Application of the method to a Fosthiazate Field Dissipation study", **J. Assoc. Off. Anal. Chem.** , 88 (6) : 1827-1833, (2005).
- 15) I. Giannakou, D. Karpouzas, I. Anastasiades, N.G. Tsiropoulos, A. Georgiadou. "Factors affecting the efficacy of non-fumigant nematicides for controlling root-knot nematodes", **Pest. Manag. Sci.**, 61, 961-972, (2005).
- 16) N.G. Tsiropoulos, K. Liapis, D. T. Likas, G.E. Miliadis. "Determination of Spiroxamine Residues in Grape, Must and Wine by Gas Chromatography Ion Trap Mass Spectrometry", **J. Assoc. Off. Anal. Chem.** , 88 (6), 1834-1839, (2005).
- 17) N.G. Tsiropoulos, G.E. Miliadis, D. T. Likas, K. Liapis. "Residues of spiroxamine in grapes following field treatment and their fate from vine to wine", **J. Agric. Food Chem.** , 53, 10091-10096, (2005).
- 18) N.G. Tsiropoulos, E.B. Bakeas, V. Raptis, S. Batistatou. "Evaluation of solid sorbents for the determination of fenhexamid, metalaxyl-M, pyrimethanil, malathion and myclobutanil residues in air samples: Application to monitoring malathion and

- fenhexamid dissipation in greenhouse air using C-18 or Supelpak-2 for sampling”, ***Anal. Chim. Acta***, 573-4, 209-215, (2006).
- 19) I. Pantelelis, D.G. Karpouzas, U. Menkissoglu-Spiroudi, N. G. Tsiropoulos. “Influence of soil physicochemical and biological properties on the degradation and adsorption of the nematicide fosthiazate”, ***J. Agric. Food Chem.***, 54, 6783-6789, (2006).
- 20) D.T. Likas, N.G. Tsiropoulos. “Comparison of extraction methods for the determination of fenitrothion residues in fruits and vegetables sprayed with microencapsulated formulations”, ***Ecol. Chem. Eng. Journal***, 13 (5), 409-418, (2006).
- 21) D.T. Likas, N.G. Tsiropoulos, G.E. Miliadis. “Rapid gas chromatographic procedure for the determination of famoxadone, trifloxystrobin and fenhexamid residues in tomato, grape and wine samples”, ***J. Chromatogr. A***, 1150, 208-214, (2007).
- 22) D.G. Karpouzas, I. Pantelelis, U. Menkissoglu-Spiroudi, E. Golia, N.G. Tsiropoulos “Leaching of the organophosphorus nematicide fosthiazate”, ***Chemosphere*** 68 (7), 1359-1364, (2007).
- 23) D.T. Likas and N.G. Tsiropoulos. “Behaviour of Fenitrothion residues in leaves and soil of vineyard after treatment with microencapsulate and emulsified formulation: Evaluation by decline curves”, ***Int. J. Environ. Anal. Chem.*** 87 (13-14), 927-937, (2007).
- 24) E.E. Golia, A. Dimirkou, N.G. Tsiropoulos, I. Mitsios. “Distribution of heavy metals of agricultural soils of central Greece using the modified BCR sequential extraction method”, ***Int. J. Environ. Anal. Chem.*** 87 (13-14), 1053-1063, (2007).
- 25) E.G. Amvrazi and N.G. Tsiropoulos. "Application of single-drop microextraction coupled with gas chromatography for the determination of multiclass pesticides in vegetables with nitrogen phosphorus and electron capture detection", ***J. Chromatogr. A*** , 1216 (14), 2789-2797, (2009).
- 26) D.T. Likas and N.G. Tsiropoulos. “Residue screening in apple, grape and wine food samples for seven new pesticides using HPLC with UV detection. An application to trifloxystrobin dissipation in grape and wine”, ***Int. J. Environ. Anal. Chem.***, 89 (8), 857-869, (2009).
- 27) A. Kungolos, C. Emmanouil, V. Tsiridis, N. Tsiropoulos. “Evaluation of toxic and interactive toxic effects of three agrochemicals and copper using a battery of microbiotests”, ***Sci. Total Environ.***, 407 (16), 4610-4615, (2009).
- 28) E.G. Amvrazi and N.G. Tsiropoulos. “Chemometric study and optimization of extraction parameters in single-drop microextraction for the determination of multiclass pesticide residues in grapes and apples by gas chromatography mass spectrometry”, ***J. Chromatogr. A.***, 1216 (45), 7630-7638, (2009).
- 29) E.G. Amvrazi, A.T. Papadi-Psyllou, N.G. Tsiropoulos. “Pesticide enrichment factors and matrix effects on the determination of multiclass pesticides in tomato samples by single-drop microextraction (SDME) coupled with gas chromatography and comparison study between SDME and acetone-partition extraction procedure”, ***Int. J. Environ. Anal. Chem.***, 90 (3-6), 245-259, (2010).

- 30) E. Karanasios, N.G Tsiropoulos, D.G. Karpouzas, U. Menkissoglu-Spiroudi. "Novel biomixtures based on local Mediterranean ligninocellulosic materials: evaluation for use in biobed systems", ***Chemosphere*** 80 (8), 914-921 (2010).
- 31) K. Kravariti, N.G. Tsiropoulos, D.G. Karpouzas. "Degradation and adsorption of terbutylazine and chlorpyrifos in biobed biomixtures from composted cotton crop residues", ***Pest. Manag. Sci.***, 66 (10), 1122-1128 (2010).
- 32) E. Karanasios, N.G. Tsiropoulos, D.G. Karpouzas and C. Ehaliotis. "Degradation and adsorption of pesticides in compost-based biomixtures as potential substrates for biobeds in south Europe", ***J. Agric. Food Chem.***, 58 (16), 9147–9156, (2010).
- 33) E Chanika, D. Georgiadou, E. Souref, P. Karas, E. Karanasios, **N.G. Tsiropoulos**, E A. Tzortzakakis, D.G. Karpouzas. "Isolation of soil bacteria able to hydrolyze both organophosphate and carbamate pesticides", ***Bioresource Technology***, 102, 3148-3192, (2011).
- 34) D.T. Likas and **N.G. Tsiropoulos**. "Fate of three Insect Growth Regulators (IGR) Insecticides (Flufenoxuron, Lufenuron and Tebufenozide) in grapes following field application and through the wine making process", ***Food Addit. Cont.***, 28 (2), 189 – 197, (2011).
- 35) N.G. Tsiropoulos and E.G. Amvrazi "Development and application of a single-drop microextraction method for the determination of pesticide residues in honey", ***J. Assoc. Off. Anal. Chem.***, 94 (2), 634-644, (2011).
- 36) E.G. Amvrazi, M.A. Martini, N.G. Tsiropoulos. "Headspace single-drop microextraction of common pesticide contaminants in honey. Method development and comparison with other extraction methods", ***Int. J. Environ. Anal. Chem.***, 92 (4), 450-465 (2012)
- 37) A. Gagoulia, E.G. Amvrazi, N.G. Tsiropoulos. "Determination of diphenylamine in contaminated air of agricultural buildings using active sampling on solid sorbents", ***Int. J. Environ. Anal. Chem.***, 92 (13), 1457-1469, (2012)
- 38) Karanasios, E., Karpouzas, D.G., Tsiropoulos, N.G. "Key parameters and practices controlling pesticide degradation efficiency of biobed substrates" ***J. Environ. Sci. Heal. - Part B Pesticides, Food Contaminants, and Agricultural Wastes***, 47 (6), 589-598, (2012).
- 39) Karanasios, E., Tsiropoulos, N.G., Karpouzas, D.G. "On-farm biopurification systems for the depuration of pesticide wastewaters: recent biotechnological advances and future perspectives" ***Biodegradation***, 23 (6), 787-802, (2012).
- 40) Katsoulas N., Boulard T., Tsiropoulos N., Bartzanas T., Kittas C. "Experimental and modelling analysis of pesticide fate from greenhouses: the case of pyrimethanil on a tomato crop", ***Biosyst. Eng.***, 113 (2), 195-206 (2012).
- 41) Karanasios E., Papadi-Psyllou A., Tsiropoulos N., Karpouzas D. "Optimization of biomixture composition and water management for maximum pesticide dissipation in peat-free biobeds", ***J. Environ. Qual.***, 41 (6), 1787-1795 (2012)
- 42) Karanasios, E.C., Tsiropoulos, N.G., Karpouzas, D.G. "Quantitative and qualitative differences in the metabolism of pesticides in biobed substrates and soil", ***Chemosphere***, 93 (1), 20-28 (2013)

- 43) Vassilakos T.N., Athanassiou C.G. and Tsiropoulos N.G. "Persistence and efficacy of spinetoram against three major beetles on wheat", ***Crop Protection*** 60,44-51 (2015).
- 44) Vassilakos T.N., Athanassiou C.G. and Tsiropoulos N.G. Influence of grain type on the efficacy of spinetoram for the control of *Rhizopertha dominica*, *Sitophilus granarius* and *Sitophilus oryzae*. ***Journal of Stored Products Research*** (in press) (2015).

### **Conference proceedings**

- N.Tsiropoulos, M. Tsaknaki, K. Papparizou. "Photochemical Pollution in Volos region. Comparison with pollution of other Greek cities". *20 Congress of Chemistry Greece - Cyprus, Chemistry and Environment, 28/09 - 2/10 1990, Athens, Greece.* ( I, 36-40), **1990**.
- N. Tsiropoulos and G. Miliadis. "Pendimethalin residues in onions and cultivation soil in Magnesia region, Greece". *10o Panhellenic Conferene in Weed Sciences*, 16-18 December 1997, Thessaloniki.
- M. Sakellariou, A. Angelaki, A. Kungolos, D. Pateras and N. Tsiropoulos. "Study of water quality and toxicity assessment in former Karla lake reservoir in an agricultural area in Greece".*4th international Symposium on waste management problems in agro-industries*, September **1998**, Istanbul, Turkey.
- K. Liapis, G. Miliadis and N. Tsiropoulos. "Confirmation and determination of pesticides residues in water samples by mass spectrometry" in *Instrumental Methods of Analysis, Modern Trends and Applications*, September **1999**, Chalkidiki, Greece.
- E. Stathi, P. Loloas, N. Tsiropoulos. Run off and persistence of trifluralin in Thessalian soils. *11o Panhellenic Conferene in Weed Sciences*, 2-3 December **1999**, Volos.
- D. Nizamis, P. Loloas, N. Tsiropoulos. "Persistence and residues of alachlor and ethalfuralin in beans (*Phaseolus vulgaris*, L.) and in soil". *11o Panhellenic Conferene in Weed Sciences*, 2-3 December **1999**, Volos.
- V. Raptis, P. Lolas and N. Tsiropoulos. " Influence of herbicides soil persictence in cultivated plants". *11o Panhellenic Conferene in Weed Sciences*, 2-3 December **1999**, Volos.
- M. Podimata, E. Koutseris and N. Tsiropoulos. "Use of ecotoxicological and chemical analyses for testing freshwater and seawater quality in magnesia prefecture, Greece" in the *International Conference of the Protection and Restoration of the Environment VI*. 1-5 July **2002**, Skiathos, Greece. Pp 795-802.
- N. G. Tsiropoulos and P. C. Lolas. "Persistence of pendimethalin in cotton fields in Thessaly, Greece." in *2<sup>nd</sup> European Conference on Pesticides and related Organic Micropollutants in the Environment*. 26-29 September **2002**, Corfu, Greece. Pp 395-8.

- V.K. Raptis, P.C. Lolas, N.G. Tsiropoulos. 'Influence of temperature, moisture and soil type on alachlor and atrazine dissipation in soil' in *2<sup>nd</sup> European Conference on Pesticides and related Organic Micropollutants in the Environment*. 26-29 September **2002**, Corfu, Greece. Pp 135-140.
- D.X. Komiotis, S.G. Zarogiannis, N.G. Tsiropoulos. " HPLC-UV Determination of dihydroartemisinin after acidilous derivatization" *15<sup>th</sup> European Congress of Clinical Chemistry and Laboratory Medicine EUROMEDLAB*, 1-5 June 2003, Barcelona. **Clin. Chem. Lab. Med.**, **2003**; 41; Special Supplement, pp S530.
- Tsiropoulos N.G., Likas D., Liapis K. and Miliadis G.E. "Spiroxamine determination by Gas chromatography–Mass Spectrometry" in IMA03, *Instrumental Methods of Analysis, Modern Trends and Applications*, September **2003**, Thessaloniki, Greece. Pp 561-564.
- Aplada-Sarlis P., Tsiropoulos N.G., Liapis K. and Miliadis G.E. "Determination of Thiabendazole residues by Liquid Chromatography DAD and Fluorescence Detection. Monitoring of Thiabendazole residues in potatoes and bananas" in IMA03, *Instrumental Methods of Analysis, Modern Trends and Applications*, September **2003**, Thessaloniki, Greece. Pp 557-560.
- G.D. Koutsouli, P.C. Lolas, N.G. Tsiropoulos. "Persistence and phytotoxicity of herbicide norflurazon in the field" in *3<sup>rd</sup> European Conference on Pesticides and related Organic Micropollutants in the Environment*. 7-10 October **2004**, Halkidiki, Greece.
- Tsiropoulos N. and Bakeas E. "Evaluation of Solid Sorbents for the determination of Pesticides Residues in Greenhouse Air Samples" in IMA05, *Instrumental Methods of Analysis, Modern Trends and Applications*, October **2005**, Iraklion, Crete, Greece.
- I. Pantelelis, D. Karpouzas, U. Menkissoglou-Spiroudi, N. Tsiropoulos. "The effect of soil properties on the adsorption and degradation of the nematicide fosthiazate", *International Conference on Pesticide Behaviour in Soils, Water and Air*, March **2006**, University of Warwick, UK. P A11.
- N.G.Tsiropoulos, K. Liapis, D. Karpouzas, A. Gagoulia. "Fosthiazate determination in agricultural crops by gas chromatography with NPD and confirmation by MS – IT", *29<sup>th</sup> International Symposium on Capillary Chromatography*, 29 May-2 June **2006**, Riva del Garda, Italy. P 32.
- D. Likas, N.G.Tsiropoulos, K. Liapis, G.E. Miliadis. "Famoxadone, trifloxystrobin and fenhexamid determination of in agricultural commodities by Gas Chromatography using NP-, EC-, and MS Detectors", *29<sup>th</sup> International Symposium on Capillary Chromatography*, 29 May-2 June **2006**, Riva del Garda, Italy. P 33.
- A. Kungolos, V. Tsiridis, H. Nassopoulos, P. Samaras, N. Tsiropoulos. "Toxicity assessment of fosthiazate, metalaxyl-M and imidacloprid and their interaction with copper on *Daphnia magna*", *1<sup>st</sup> International Conference on Environmental Toxicology*, 11-13 September **2006**, Mykonos, Greece. Εργασία δημοσιευμένη στο



- Environmental Toxicology - WIT Transactions on Biomedecine and Health Ecology and the Environment, 2006, pp 223-229.
- K. Liapis and N.G. Tsiropoulos. "Residues of nematicide fosthiazate in leaves and fruit of tomato plants", *4<sup>th</sup> European Conference on Pesticides and related Organic Micropollutants in the Environment*, 26-29 November **2006**, Almeria, Spain. Pp 177-81.
- N.G. Tsiropoulos, E. Golia, P. Kanna, I. Tatsi. "Organochlorine pesticides residues in the environment of Pagassitikos gulf, central Greece", *4<sup>th</sup> European Conference on Pesticides and related Organic Micropollutants in the Environment*, 26-29 November **2006**, Almeria, Spain. P 182.
- E.E. Golia, A. Dimirkou, N.G. Tsiropoulos, I. Mitsios. "Use sequential extraction for determination of organic and inorganic fractions of heavy metals in agricultural soils, in Thessaly (central Greece)", *4<sup>th</sup> European Conference on Pesticides and related Organic Micropollutants in the Environment*, 26-29 November **2006**, Almeria, Spain. Pp 183-185.
- A. Kungolos, V. Tsiridis, P. Samaras, N. Tsiropoulos. "Toxic and interactive toxic effects on agrochemical substances and copper on *Vibrio fisheri*", *1<sup>st</sup> International Conference on the Management of Natural Resources, Sustainable Development and Ecological Hazards*. December **2006**, Bariloche Argentina. Environmental Toxicology - *WIT Transactions on Ecology and the Environment* 99, 2006, pp. 485-491.
- S.S. Batistatou, N.G. Tsiropoulos, E.B. Bakeas. "Solid-phase microextraction of 15 selected polybrominated diphenyl ethers in water samples before gas chromatography equipped with electron capture detection", *ExTech - HTC - Public Safety and Security Symposia*, 28 Jan-2 Feb **2008**, Bruges, Belgium. L 03-4.
- D.T. Likas and N.G. Tsiropoulos. "Screening of seven new generation pesticide residues in grape and wine by HPLC with UV detection", *35<sup>th</sup> International Symposium on Environmental Analytical Chemistry - ISEAC 35*, 22 – 26 June **2008**, Gdańsk, Poland. P 96.
- E.E. Golia, N.G. Tsiropoulos, A. Dimirkou. "Determination of the method detection limits for metals extractable with aqua regia in soil samples of central Greece", *International Conference on Metrology of Environmental, Food and Nutritional Measurements - MEFNM 2008*, 9-12 September 2008, Budapest, Hungary.
- N.G. Tsiropoulos, A. Papadi-Psyllou, N. Katsoulas, K. Kravvariti, T. Bartzanas, T. Boulard, C. Kittas. "Measurements of pyrimethalin residues in the greenhouse air after low volume spray application", *5<sup>th</sup> European conference on Pesticides and Related Organic Micropollutants in the Environment and 11<sup>th</sup> Symposium on Chemistry and Fate of Modern Pesticides*, 22-25 October **2008**, Marseille, France. Pp 73-77.
- K. Kravvariti, N.G. Tsiropoulos., D.G. Karpouzas. "The degradation of terbuthylazine and chlorpyrifos in various biomix substrates based on composted cotton crop residues" in *2<sup>nd</sup> Conference on Environmental Management Engineering*,

- Planning and Economics (CEMEPE 09) & SECOTOX Conference**, 21-26 June 2009, Mykonos, Greece. Pp 597-601.
- S. Zieba, N.G. Tsiropoulos, E. Bakeas. "Disinfection by-products in chlorinated drinking waters in Volos area, central Greece", **2<sup>nd</sup> Conference on Environmental Management Engineering, Planning and Economics (CEMEPE 09) & SECOTOX Conference**, June 2009, Mykonos, Greece. Pp 713-717.
- E. Karanasios, N.G. Tsiropoulos, D.G. Karpouzas, Menkissoglou-Spyroudi U. "Study of the degradation capacity of five compost – biomixtures as biobed substrates in the Mediterranean region", **Pesticides Behaviour in soils, water and air**, 14-16 September 2009, York UK.
- E. Amvrazi, N.G. Tsiropoulos. "Optimization of donor solution preparation in liquid phase microextraction for gas chromatographic determination of multiclass pesticides in fruits", **IMA09-Instrumental Methods of Analysis, Modern Trends and Applications**, October 2009, Athens, Greece. P 283. (Περίληψη).
- Kittas, C., Katsoulas, N., Bartzanas, T., Tsiropoulos, N., Boulard, T., 2010. "Measurements and modelling of pesticides residues in the greenhouse air after low volume spray application", **International Conference on Agricultural Engineering, AgEng 2010**, 6-8 September 2010, Clermont-Ferrand, France
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