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ACADEMIC STATUS- EDUCATION

2015-today Professor, Chemistry Department, Aristotle University of Thessaloniki
1998-2010 Lecturer (1998-2003), Assistant professor (2003-2010), Associate Professor (2010-2015)
2004/2005 Visiting researcher, Swiss Federal Institute for Environmental Science and Technology
1993 Ph.D Thesis, Department of Chemistry, Aristotle University (grade 'Excellent')
1986 B.Sc. in Chemistry, Aristotle University of Thessaloniki

RESEARCH INTERESTS

- Occurrence, fate and behavior of organic micropollutants (organic persistent compounds, endocrine disrupting compounds, pesticides, pharmaceuticals) in the aquatic environment and technical systems
- Development of analytical techniques for the determination of organic pollutants in various environmental samples
- Drinking water quality and water treatment. Regulated and Emerging disinfection by-products
- Characterization of natural and wastewater derived organic matter
- Occurrence and removal of arsenic, boron and other toxic elements from potable waters
- Quality of surface and ground waters (heavy metals-toxic elements, nitrogen and phosphorus, estimation of trophic status)
- Chemical characterization of airborne atmospheric particles (heavy metals, ionic constituents, organic compounds)
- Assessment of toxicity of environmental samples

ACADEMIC – SCIENTIFIC ACTIVITIES

- Head of Environmental Pollution Control Laboratory, Chemistry Department (2017-today)
- Director of Division of Physical, Analytical, and Environmental Chemistry (2013-2014, 2014-2015)
- Member of the advisory board in the open access scientific journal «*Environmental Science Europe*» Springer
- Member of Environmental Council of Aristotle University (2017-2019)
- Guest editor for special issue “Sustainable environmental chemistry and technology with focus on the Mediterranean area”, journal *Environ Sci & Pollut Res* 25(26), 25869-25879 (2018)
- Member of the scientific committee supporting the Management Authority of Lakes Koronia and Volvi in environmental issues (since 2010).
- Member of scientific committee proposed from the AUTH Environment Council for the critical evaluation of water management plans released by the Special Secretariat for Water, Ministry of Environment (2013). I was responsible for the evaluation of chemical pollution of surface and ground waters.
- Quality manager and deputy top manager, deputy technical manager, of accreditation system ISO/IEC 17025:2017 “General requirements for the competence of testing and calibration laboratories” and the application of accredited methods EN 12341:2014 (cert no ESYD 739).
- Reviewer in many scientific journals in the field of Environmental Sciences (*Sci Total Environ*, *Environ Sci Pollut Res*, *Chemosphere*, *Water Res*, *Environ Sci Technol* etc)
- Evaluator in national and international research projects (National Science Center, Poland, 2020; National Scholarship Swiss National Science Foundation (SNSF), 2019, FCT, Portugal 2017; Romanian National Council for Research and Development, National Foundation IKY to evaluate post graduate and post doctoral scholarships, Research Committee of University of Patras)
- Member of Sustainable Management of Air Quality team (SUMAQ)

- Participation in thematic networks («AIR- Integrate Research on Atmospheric Pollution », «NEUTRA- Energy Recovery and Thermal Treatment of solid and liquid wastes», «EDIPE-Greek Net for the Coastal Research»)
- Member of committees in Chemistry Department (Committee for the undergraduate studies programme, Committee for the practice of undergraduate students, Committee for the reconstructing activities in the department, Coordination Committee of postgraduate studies)
- Member of the committees for ranking/promotion of in academic positions
- Member of Department Quality Assurance Unit-OM.E.A.
- Member of Scientific Committee of Conferences (International Scientific Committee 5th SWAT International Conference on small and decentralized water and wastewater treatment plants, Thessaloniki, August 26-29, 2018; International Scientific Committee of ICCE 2019, 17th International Conference on Chemistry and the Environment ;10-70 Environmental Conferences of Macedonia since 2002 ; 50-130 Seminars for Protection of the environment)

TUTORIAL ACTIVITIES AS ACADEMIC MEMBER

Undergraduate level

As member of academic staff, I participate in tutorial activities of the Chemistry Department as well as of Faculty of Agriculture, Forestry and Natural Environment and Faculty of Engineering.

- Environmental Chemistry (2008-present)
- Environmental Pollution Control (1998–present)
- Chemistry and Management of Ecosystems (2004-present)
- Principles of pollution treatment and protection of the environment (2013-present)
- Laboratory practises in the course Environmental Pollution Control (1998-present). Since 2010 I am also responsible for the organization of laboratory practises.

Postgraduate level

As member of academic staff, I participate in tutorial activities of MSc programmes

I. MSc in Environmental Chemistry (1998-2018)

- Advanced Environmental Chemistry (2005-present)
- Advanced Methods of Analysis (1998- present)
- Advanced Environmental Pollution Control (1998-2011)
- Environmental Technology (2005-present)

II. MSc in Chemical Technology (2005-2015)

- Environmental Technology (2005-present)

III. MSc in Chemical Analysis-Quality Assurance (interuniversity, 2002-2018)

- Environmental Quality Control (2002-present)

IV. MSc Environmental Quality Control and Management (2018-present)

- Chemistry and pollution control of aquatic and terrestrial environment
- Chemistry and pollution control of the atmospheric environment
- Methods for Environmental Analysis
- Pollution control and management of water and wastes
- Quality of environmental measurements-Quality management systems
- Environmental impact assessment-Geographical information system

ARTICLES IN SCIENTIFIC JOURNALS

1. MAPKs and HSPs activation of a natural *Daphnia magna* population in a man-perturbed lake: Implications of ecological significance
Demertzioglou M., Antonopoulou E., Voutsas D, Kozari A., Moustaka-Gouni M., Michaloudi E.
Water 13, 283 (2021)
2. Occurrence, analysis and risk assessment of organophosphate esters (OPEs) in biota: a review.
Pantelaki I., Voutsas D.
Mar Pollut Bull 160, 111547 (2020)
3. Formation potential of emerging disinfection by products during ozonation and chlorination of sewage effluents
Kozari A., Paloglou A., Voutsas D

- Sci Total Environ 700, 134449 (2020)
4. Activated carbon supported MnO₂ for catalytic degradation of reactive black 5.
Saroyan HS, Arampatzidou A, Voutsas D, Lazaridis NK, Deliyanni EA
Colloids and Surface A: Physicochemical and Engineering Aspects 566, 166-175 (2019)
 5. Organophosphate flame retardants (OPFRs): A review on analytical methods and occurrence in wastewater and aquatic environment.
Pantelaki I., Voutsas D.
Sci Total Environ 649, 247-263 (2019)
 6. Sustainable environmental chemistry and technology with focus on the Mediterranean area
Katsogiannis IA, Voutsas D
Environ Sci & Pollut Res 25(26), 25869-25879 (2018)
 7. Removal of bisphenol A by Fe-impregnated activated carbons.
Arampatzidou A, Voutsas D, Deliyanni E
Environ Sci & Pollut Res 25(26), 25869-25879 (2018)
 8. Characterization of dissolved organic carbon in rainwater of an urban/coastal site in Mediterranean area.
Pantelaki I, A. Papatzelou, D. Balla, A. Papageorgiou, D. Voutsas
Sci Total Environ 627, 1433-1441 (2018)
 9. Study of polar organic compounds in airborne particulate matter of a coastal urban city.
Balla D, Voutsas D, Samara C.
Environ Sci Pollut Res Int. 25 (13), 12191-12205 (2018)
 10. Formation of iodinated THMs during chlorination of water and wastewater in the presence of different iodine sources.
Pantelaki I, Voutsas D
Sci. Total Environ 613-614, 389-397(2017)
 11. Polycyclic aromatic hydrocarbons and trace elements bounded to airborne PM₁₀ in the harbor of Volos, Greece: Implications for the impact of harbor activities
Manoli E., Chelioti-Chatzidimitriou, K. Karageorgou, A. Kouras, D. Voutsas, C. Samara, I. Kampanos
Atmospheric Environment 167, 61-72 (2017)
 12. Toxic organic substances and marker compounds in size-segregated urban particulate matter - Implications for involvement in the in vitro bioactivity of the extractable organic matter
Besis A, Tsolakidou A, Balla D, Samara C, Voutsas D, Pantazaki A, Choli-Papadopoulou T, Lialiaris
Environmental Pollution 230 758-774 (2017)
 13. Adsorption of endocrine disruptor bisphenol A by carbonaceous materials: influence of their porosity and specific surface area
Arampatzidou AC, D Voutsas, EA. Deliyanni, KA. Matis
Desalination and Water Treatment 76 232-240 (2017)
 14. Evolution of air pollution source contributions over one decade, derived by PM₁₀ and PM_{2.5} source apportionment in two metropolitan urban areas in Greece
Diapouli E, M. Manousakas, S. Vratolis, V. Vasilatou, Th Maggos, D. Saraga, Th Grigoratos, G. Argyropoulos, D. Voutsas, C. Samara, K. Eleftheriadis
Atmospheric Environment 164, 416-430 (2017)
 15. Polybrominated diphenyl ethers (PBDEs) in background air around the Aegean: implications for phase partitioning and size distribution
Besis A, G. Lammel, P. Kukučka, C. Samara, A. Sofuoglu, Y. Dumanoglu, K. Eleftheriadis, G. Kouvarakis, S.C. Sofuoglu, V. Vassilatou, D. Voutsas
Environ Sci Pollut Res 24(36), 28102-28120 (2017)
 16. Study of persistent organic pollutants in a river basin-ecotoxicological risk assessment
E. Terzopoulou, D. Voutsas
Ecotoxicology 26, 625-638 (2017)
 17. Effects of ozonation pretreatment on natural organic matter and wastewater derived organic matter-possible implications on the formation of ozonation by-products
Papageorgiou A, SK Stylianou, P. Kaffes, AI Zouboulis, D. Voutsas
Chemosphere 170, 33-40 (2017)
 18. Source apportionment of the redox activity of urban quasi-ultrafine particles (PM_{0.49}) in

- Thessaloniki following the increased biomass burning due to the economic crisis in Greece
Argyropoulos G., A. Besis, D. Voutsas, C. Samara, MH Sowlat, S Hasheminass, C. Sioutas
Sci Total Environ 568, 124-136 (2016)
19. Concentration levels and source apportionment of ultrafine particles in road microenvironments
G. Argyropoulos, C. Samara, D. Voutsas, A. Kouras, E. Manoli, A. Voliotis, A. Tsakis, L. Chachapidis, A. Konstandopoulos, K. Eleftheriadis
Atmospheric Environment, 129, 68-78 (2016)
 20. Atmospheric occurrence and gas-partitioning of PBDEs at the industrial, urban and suburban sites of Thessaloniki, northern Greece: implications for human health
Besis A., D. Voutsas, C. Samara
Environmental Pollution 215, 113-124 (2016)
 21. Spatial and seasonal variations of chemical, mineralogical and morphological features of quasi-ultrafine particles (PM_{0.49}) at urban sites
Samara C, N. Kantiranis, P. Kollias, S. Planou, A. Kouras, A. Besis, E. Manoli, D. Voutsas
Sci Total Environ 553, 392-403 (2016)
 22. Cytotoxicity and genotoxicity induced in vitro by solvent-extractable organic matter of size-segregated urban particulate matter
Velali E, E. Papachristou, A. Pantazaki, T. Choli-Papadopoulou, N. Argyrou, T. Tsourouktsoglou, S. Lialiaris, A. Constantinidis, D. Lykidis, TS Lialiaris, A. Besis, D. Voutsas, C. Samara
Environmental Pollution 218, 1350-1362 (2016)
 23. Redox activity and in vitro bioactivity of the water-soluble fraction of urban particulate matter in relation to particle size and chemical composition
Velali E, E. Papachristou, A. Pantazaki, T. Choli-Papadopoulou, S. Planou, A. Kouras, E. Manoli, A. Besis, D. Voutsas, C. Samara
Environmental Pollution 208, 774-786 (2016)
 24. Quality assessment of surface water at the basin of Strymonas river, Northern Greece
Terzopoulou E, Voutsas D
Fresenius Environmental Bulletin 24 (12), 4771-4782 (2015)
 25. Active and passive sampling for the assessment of hydrophilic organic contaminants in a river basin-ecotoxicological risk assessment
Terzopoulou E, Voutsas D
Environ Sci & Pollut Res 23(6), 5577-5591 (2016)
 26. Concentration levels and source apportionment of ultrafine particles in road microenvironments
Argyropoulos G, C. Samara, D. Voutsas, A. Kouras, E. Manoli, A. Voliotis, A. Tsakis, L. Chasapidis, A. Konstantopoulos, K. Eleftheriadis
Atmospheric Environment 129, 68-78 (2016)
 27. Polycyclic aromatic hydrocarbons (PAHs) at traffic and urban background sites of northern Greece: source apportionment of ambient PAH levels and PAH-induced lung cancer risk
Manoli E, A. Kouras, O. Karagkiozidou, G. Argyropoulos, D. Voutsas, C. Samara
Environ Sci Pollut Res 23(4), 3556-3568 (2016)
 28. Fate of natural organic matter at a full-scale Drinking Water Treatment Plant in Greece
Papageorgiou A, N. Papadakis, D. Voutsas
Environ Sci Pollut Res 23(2), 1841-1851 (2016)
 29. Air and seawater pollution and air-sea gas exchange of persistent toxic substances in the Aegean Sea: spatial trends of PAHs, PCBs, OCPs and PBDEs
Lammel G, O. Audy, A. Besis, C. Efstathiou, K. Eleftheriadis, J. Kohoutek, P. Kukučka, M. D. Mulder, P. Příbylová, R. Prokeš, T. P. Rusina, C. Samara, A. Sofuoglu, S. C. Sofuoglu, Y. Taşdemir, V. Vassilatou, D. Voutsas, B. Vrana
Environ Sci Pollut Res 22, 11301-11313 (2015)
 30. BPA qualitative and quantitative assessment associated with orthodontic bonding in vivo
Kloukos D, Sifakakis I, Voutsas D, Doulis I, Eliades G, Katsaros C, Eliades T
Dental Materials 31(8), 887-894 (2015)
 31. Size distribution of total and water soluble fractions of particle bound elements - Assessment of possible risks via inhalation
Voutsas D, A. Anthemidis, G. Jiakisikli, K. Mitani, A. Besis, A. Tsolakidou, C. Samara

- Environ Sci Pollut Res 22 13412-13426 (2015)
32. Particle-size distribution of polybrominated diphenyl ethers (PBDEs) in the urban agglomeration of Thessaloniki, northern Greece
Besis A, E. Botsaropoulou, D. Voutsas, C. Samara
Atmospheric Environment 104, 176-185 (2015)
 33. A multi-residue method for determination of 70 organic micropollutants in surface waters by solid-phase extraction followed by gas chromatography coupled to tandem mass spectrometry.
Terzopoulou E, D. Voutsas, G. Kaklamanos
Environmental Science and Pollution Research 22, 1095-1112 (2015)
 34. Polar organic micropollutants compounds in the coastal waters environment
Nödler K, D. Voutsas, T. Licha
Marine Pollution Bulletin 85, 55-59 (2014)
 35. Carbonyl compounds and dissolved organic carbon in rainwater of an urban atmosphere
Balla D, A. Papageorgiou, D. Voutsas
Environmental Science and Pollution Research 21, 12062-12073 (2014)
 36. Occurrence and fate of ozonation by-products at a full-scale drinking water treatment plant
Papageorgiou A, N. Papadakis, D. Voutsas
Science of the Total Environment 481, 392-400 (2014)
 37. Ionic composition of PM_{2.5} at urban sites of northern Greece- Secondary inorganic aerosol formation.
D. Voutsas, C. Samara, E. Manoli, D. Lazarou, P. Tzoumaka
Environmental Science and Pollution Research 21, 4995-5006 (2014)
 38. Chemical Composition and mass closure of ambient coarse particles at traffic and urban-background sites in Thessaloniki, Greece
Grigoratos T, C. Samara, D. Voutsas, E. Manoli, A. Kouras
Environmental Science and Pollution Research 21(12), 7708-7722 (2014)
 39. Increased biomass burning due to the economic crisis in Greece and its adverse impact on winter-time air quality in Thessaloniki.
Saffari A, Daher N, Samara C, Voutsas D, Kouras A, Manoli E, Karagkiozidou O, Vlachokostas C, Moussiopoulos N, Shafer MM, Schauer JJ, Sioutas C
Environ. Sci. Technol. 47: 13313–13320 (2013)
 40. Organic and elemental carbon associated to PM₁₀ and PM_{2.5} at urban sites of northern Greece
Samara C, Voutsas D, Kouras A, Eleftheriadis K, Maggos T, Saraga D., Petrakakis M
Environ. Sci. Pollut. Res. 21, 1769-1785 (2014)
 41. Twenty years later – Atrazine concentrations in selected coastal waters of the Mediterranean and the Baltic Sea
Nodler Karsten, Tobias Licha, Dimitra Voutsas
Marine Pollution Bulletin 70, 112-118 (2013)
 42. Occurrence and partitioning of endocrine-disrupting compounds in the marine environment of Thermaikos Gulf, Northern Aegean Sea, Greece.
Arditsoglou A, D. Voutsas
Marine Pollution Bulletin 64, 2443-2452 (2012)
 43. Endocrine disrupting compounds in the atmosphere of the urban area of Thessaloniki, Greece
M. Salapasidou, C. Samara, D. Voutsas
Atmospheric Environment 45 (22), 3720-3729 (2011)
 44. Release of bisphenol-A from a light-cured adhesive bonded to lingual fixed retainers.
Eliades T, D. Voutsas, I. Sifakakis, M. Makou, C. Katsaros
American journal of orthodontics and dentofacial orthopedics: 139(2),192-5 (2011)
 45. Alkylphenols and phthalates in bottled waters
Amiridou D, Voutsas D
Journal of Hazardous Materials 185(1), 281-286 (2011)
 46. The use of O, H, B, Sr and S isotopes for tracing the origin of dissolved boron in groundwater in Central Macedonia, Greece.
Dotsika E, D. Poutoukis, W. Kloppmann, C. Guerrot, D. Voutsas, Th. Kouimtzis
Applied Geochemistry, 25, 1783-1796 (2010)

- 47.** Arsenite removal from waters by zero valent iron: batch and column tests
Biterna M, L. Antonoglou, E. Lazou, D. Voutsas
Chemosphere 78, 7-12 (2010)
- 48.** Partitioning of endocrine disrupting compounds in inland waters and wastewaters discharged into the coastal area of Thessaloniki, Northern Greece
Arditsoglou A, Voutsas D
Environmental Science and Pollution Research.17, 529-538(2010)
- 49.** Study on distribution and origin of boron in groundwater in the area of Chalkidiki, Northern Greece
Voutsas D, E. Dotsika, A. Kouras, D. Poutoukis, Th. Kouimtis
Journal of Hazardous Materials 172, 1264-1272 (2009)
- 50.** Elemental composition of suspended particulate matter and sediments in the coastal environment of Thermaikos Bay, Greece: Delineating the impact of inland waters and wastewaters.
Violintzis C, A. Arditsoglou, D. Voutsas
Journal of Hazardous Materials 166, 1250-1260 (2009)
- 51.** Endocrine disrupting compounds in municipal and industrial wastewater treatment plants in Northern Greece.
P. Pothitou, D. Voutsas
Chemosphere, 73(11), 1716-1723 (2008)
- 52.** Passive sampling of selected endocrine disrupting compounds using polar organic chemical integrative samplers
Arditsoglou, A, Voutsas D
Environmental Pollution, 156(2), 316-324 (2008)
- 53.** Endocrine disrupting compounds in the coastal environment
Coastal portal (<http://www.encora.eu>)
Coastal wiki, Theme 4. Pollution, prevention and mitigation in the coastal area
- 54.** Determination of Phenolic and Steroid Endocrine Disrupting Compounds in Environmental Matrices
Arditsoglou A, D. Voutsas
ESPR -Environ Sci & Pollut Res.,15(3), 228-236 (2008)
- 55.** Arsenate removal by zero valent iron : batch and column tests
M. Biterna, A. Arditsoglou, E. Tsikouras, D. Voutsas
Journal of Hazardous Materials, 149, 548-552 (2007)
- 56.** Distribution of heavy metals in Lakes Doirani and Kerkini, Northern Greece.
E. Pertsemli, D. Voutsas
Journal of Hazardous Materials, 148, 529-537 (2007)
- 57.** Distribution of arsenic in groundwater in the area of Chalkidiki, Northern Greece.
Kouras A, I. Katsoyiannis, D. Voutsas
Journal of Hazardous Materials, 147, 890-899 (2007)
- 58.** Arsenic cycling in lakes Volvi and Koronia, Northern Greece. Assessment of arsenic mobility in sediments.
E. Papadaki , D. Voutsas
Fresenius Environmental Bulletin, 16(4), 421-427 (2007)
- 59.** Benzotriazoles, alkylphenols and bisphenol A in municipal wastewaters and in the Glatt River, Switzerland.
D. Voutsas, P Hartmann, C. Schaffner, W Giger
Environmental Science and Pollution Research 13(5), 333-341(2006)
- 60.** Assessment of the environmental hazard from municipal and industrial wastewater treatment sludge by employing chemical and biological methods.
Mantis I, D. Voutsas, C. Samara
Ecotoxicology and Environmental Safety 62(3), 397-407 (2005)
- 61.** Polychlorinated biphenyls in ambient air of NW Greece and in particulate emissions.
M. Biterna and D. Voutsas
Environment International 31(5), 671-677 (2005)
- 62.** Size distribution of airborne particulate matter and associated heavy metals in the roadside environment.
C. Samara and D. Voutsas

- Chemosphere 59(8), 1197-1206 (2005)
- 63.** Profile analysis of organic micropollutants in the environment of a coal burning area, NW Greece
D. Voutsas, H. Terzi, L. Muller, C. Samara, Th. Kouimtzi
Chemosphere 55(4), 595-604 (2004)
- 64.** Nutrient Dynamics in shallow lakes of Northern Greece
C. Petaloti, D. Voutsas, C. Samara, M. Sofoniou, I. Stratis, Th. Kouimtzi
Environmental Science and Pollution Research 11(1), 11-17 (2004)
- 65.** Sources and patterns of polycyclic aromatic hydrocarbons and heavy metals in fine indoor particulate matter of greek houses.
M. Dermentzoglou, E. Manoli, D. Voutsas, C. Samara
Fresenius Environmental Bulletin, 12(12), 1511-1519 (2003)
- 66.** Assessment of the surface water quality in Northern Greece
V. Simeonov, J.A. Stratis, C. Samara, G. Zachariadis, D. Voutsas, A. Anthemidis, M. Sofoniou, Th. Kouimtzi
Water Research 37, 4119-4124 (2003)
- 67.** Ionic composition of PM₁₀ in the area of Thessaloniki, Greece
R. Tsitouridou, D. Voutsas, Th. Kouimtzi
Chemosphere 52, 883-891 (2003)
- 68.** Assessment of emissions of organic micropollutants after an accidental fire in a coal burning electrical power plant
D. Voutsas, H. Terzi, C. Samara, Th. Kouimtzi, L. Muller
Organohalogen Compounds, 59, 255-258 (2002)
- 69.** Elemental composition of airborne particulate matter in a multi-impacted urban area
D. Voutsas, C. Samara, Th. Kouimtzi, K. Ochsenkuhn
Atmospheric Environment 36, 4453-4462 (2002)
- 70.** Toxicity and Heavy metal contamination of surficial sediments from the Bay of Thessaloniki (Northwestern Aegean Sea) Greece
K. Zambetoglou, D. Voutsas, C. Samara
Chemosphere 49, 17-26 (2002)
- 71.** Labile and bioaccessible fractions of heavy metals in the airborne particulate matter from urban and industrial areas
D. Voutsas, C. Samara
Atmospheric Environment 36, 3583-3590 (2002)
- 72.** PCDD/Fs and PCBs in airborne particulate matter of the greater Thessaloniki area, N. Greece
Th. Kouimtzi, C. Samara, D. Voutsas, Ch. Balafoutis, L. Muller
Chemosphere 47, 193-205 (2002)
- 73.** Phosphorus fractionation in lake sediments. Lakes Volvi and Koronia, N. Greece
Kaiserli A, D. Voutsas, C. Samara
Chemosphere 46, 1147-1155 (2002)
- 74.** Chemical characterization and source identification/apportionment of fine and coarse air particles in Thessaloniki, Greece
E. Manoli, D. Voutsas, C. Samara
Atmospheric Environment 36, 949-961 (2002)
- 75.** Characterization of bottom ash produced from combustion of fermentable matter of municipal solid wastes from Northern Greece
Kouras A, D. Voutsas, Th. Kouimtzi
Fresenius Environmental Bulletin 10 (8), 669-673 (2001)
- 76.** A study of surface water quality in Macedonia, Greece: Speciation of nitrogen and phosphorus.
D. Voutsas, E. Manoli, C. Samara, M. Sofoniou and I. Stratis
Water, Air, and Soil Pollution 129, 13-32 (2001)
- 77.** PCDD/Fs and PCBs concentrations in the ambient air of the greater Thessaloniki area/Greece.
Th. Kouimtzi, C. Samara, D. Voutsas, Ch. Balafoutis and L. Muller
Organohalogen Compounds, 46, 434-438(2000)
- 78.** Environmental Education and Informatics: Network of schools along the Axios River (Part 1)
V. Papadimitriou, I. Alibertis, D. Souvatzi, C. Samara, D. Voutsas

- Modern Education 96/97, 82-87 (1997)
79. Environmental Education and Informatics: Network of schools along the Axios River (Part 2)
V. Papadimitriou, I. Alibertis, D. Souvatzi, C. Samara, D. Voutsas
Modern Education 96/97, 163-167 (1997)
80. Dietary intake of trace elements and polycyclic aromatic hydrocarbons via vegetables grown in an industrial Greek area.
D. Voutsas and C. Samara
Science of the Total Environment 218, 203-216 (1998)
81. Trace elements in vegetables grown in an industrial area in relation to soil and air particulate matter.
D. Voutsas, A. Grimanis and C. Samara
Environmental Pollution 94(3), 325-335 (1996)
82. Evaluation of the quality of municipal and industrial wastewater sludges for agricultural purposes.
D. Voutsas, G. Zachariadis, N. Gantidis, C. Samara, Th. Kouimtzi
Fresenius Environmental Bulletin 5, 1-6 (1996)
83. Evaluation of the toxic content of sludges produced during biological treatment of municipal and industrial wastewaters.
D. Voutsas, G. Zachariadis, C. Samara and Th. Kouimtzi
Journal of Environmental Science and Health A 31(3), 657-671 (1996)
84. Evaluation of chemical parameters in Aliakmon River, Northern Greece. Part III: Pesticides
T. Albanis, Th. Danis, D. Voutsas, Th. Kouimtzi
Journal of Environmental Science and Health A 30(9), 1945-1956 (1995)
85. Evaluation of chemical parameters in Aliakmon River, Northern Greece. Part II: Dissolved and Particulate Heavy Metals.
D. Voutsas, G. Zachariadis, C. Samara, Th. Kouimtzi
Journal of Environmental Science and Health A 30(1), 1-13 (1995)
86. Evaluation of chemical parameters in Aliakmon River, Northern Greece. Part I: Quality characteristics and Nutrients.
Th. Kouimtzi, C. Samara, D. Voutsas, G. Zachariadis
Journal of Environmental Science and Health A 29(10), 2115-2126 (1994)
87. Groundwater quality in the major industrial area of Thessaloniki, Greece. Part 2: Heavy metal Distribution-Source Identification.
D. Voutsas, C. Samara, Th. Kouimtzi
88. Groundwater quality in the major industrial area of Thessaloniki, Greece. Part 1: Chemical Composition-Geochemical Processes
D. Voutsas, C. Samara, Th. Kouimtzi
Toxicological and Environmental Chemistry 38, 145-156 (1993)
89. Characterization of airborne particulate matter in Thessaloniki, Greece. Part I. Source related heavy metal concentrations within TSP
C. Samara, D. Voutsas, Th. Kouimtzi, N. Bournis, E. Tsani
Toxicological and Environmental Chemistry 29, 107-119 (1990)
90. A comparative study on the preconcentration of copper traces in non-saline waters with chelating resins.
D. Voutsas, K. Samara, K. Fytianos, Th. Kouimtzi
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Authorship

- Principles of pollution control and protection of environment. C. Samara and D. Voutsas, Thessaloniki, 2017, Graphima, pp185 (in Greek)
- Environmental Pollution Monitoring, Th. Kouimtzi, C. Samara, K. Fytianos, D. Voutsas, Thessaloniki, 2004, University Press, pp 385 (in Greek).
- Toxic organic compounds in environmental samples. Sampling-Pretreatment and Analysis, D. Voutsas, Thessaloniki, 2001, ATh Press, pp. 56 (in Greek).
- Management of municipal and industrial solid wastes, D. Voutsas. Thessaloniki, 2009, ATh Press, pp. 90 (in Greek)

- Chemistry and management of ecosystems, D. Voutsas, Thessaloniki, 2009, AUTH Press, pp 40 (in Greek).

Books-Chapters in books

- Water Quality-Monitoring and Assessment. Editors K. Voudouris and D. Voutsas. 2012. Intec, Croatia, pp. 602
- Ecological Water Quality-Water treatment and reuse. Editors K. Voudouris and D. Voutsas. 2012. Intec, Croatia, pp. 496
- E. Manoli and D. Voutsas. Food containers and packaging materials as possible sources of hazardous chemicals to food in Hazardous Chemicals associated with plastics in the marine environment. Editors H. Takada and HK Karapanagioti. 2017. Springer International Publishing
- D. Voutsas. Analytical Methods for determination of bisphenol A . In Plastics in Dentistry and estrogenicity. Editors T. Eliades and G. Eliades. 2014. Springer
- D. Voutsas. Biotic and abiotic transformation processes of benzotriazoles:possible pathways and products in Transformation products of emerging contaminants in the environment: analysis, processes, occurrence, effects and risks Eds DA Lampropoulou and IML Nollet, John Wiley & Sons 2014 (ISBN 978-1-118-33959-6).

Invited presentations

- D. Voutsas. Water for human consumption-Sampling-Chemical analysis. Educational workshop for health professionals. 3^{ns} ΥΠΕ (8/3/2018)
- D. Voutsas. Quality of Drinking water. Symposium Environment and Health in urban areas. Limassol , Cyprus 4/7/2016
- D. Voutsas. Evaluation of pollution status in Thermaikos Gulf. Symposium Environment and Health in urban areas. Limassol , Cyprus 4/7/2016
- D. Voutsas. Organic micropollutants in the framework of Water Directives” 13th International Conference» “Europe-INBO 2015” for the implementation of the European Water Directives, Thessaloniki 21-24/10/2015.
- D. Voutsas. Priority and Emerging micropollutants in the aquatic environment of Northern Greece. UNESCO-IHP Regional Consultation Meeting “Water Quality in Europe:Challenges and Best Practices” 1-4 December 2015, Koblenz, Germany.
- D. Voutsas. Toxic chemicals in marine environment. In “ Science in daily life-Threatens of marine ecosystems” organized by School of Sciences, Aristotle University, 4-6 May 2017, Thessaloniki
- D. Voutsas. Quality and treatment of Drinking water. In “ Environment and Quality of Life” organized by Greek Chemical Association, 11 March 2015, Thessaloniki
- D. Voutsas. Concentrations of PM10 & PM2.5 in Thessaloniki before and after the economic crisis. Impact of biomass combustion in atmospheric quality», in 2nd and 3rd seminars for High school teachers «Atmospheric pollution from particulate matter» organised in the framework of project ACEPT-AIR LIFE09 ENV/GR/00289 (Thessaloniki 16-17/12/14, Athens 27-28/1/14).
- D. Voutsas. Pollution of surface waters: monitoring and assessment», in the event «Chemistry, Environment and Ecosystems» organised by the municipality of Kastoria and the Chemist Division of Central/West Macedonia in the framework of the international year of Chemistry, Kastoria 23-11-2011.
- D. Voutsas. Pollution of surface waters. Loudias River», in conference «Wetland of Loudias River and its contribution to sustainable development» organised by Regional Administration of Pella and the Environmental Education Center, Giannitsa 9-6-2010.
- D. Voutsas. Pollution of waters: a story that has no end» in the event «Water, start of everything» organised by municipality of Sykies, Thessaloniki 23-11-2009.
- D. Voutsas. Water Pollution, in an event organised by Mantoulidi Schools, Thessaloniki, 29 January 2008.
- D. Voutsas. Estrogenic Disrupting Compounds in the coastal area of Thessaloniki, Greece», workshop organised by European network for Coastal Research (ENCORA) Valencia, Spain, 29 Nov-1Dec 2006.
- D. Voutsas. Assessment of the quality of surface water in Macedonia, in the event «Giannitsa, Environment Day 2005», 5 June 2005 organised by Open University of Giannitsa.

- D. Voutsas. Activities of Environmental Pollution Control laboratory regarding the pollution of ground and surface waters, in the event organised by AUTH Environment Council due to the International Environment day, Thessaloniki 3 June 2005.
- D. Voutsas. Pollution of surface and ground waters, in the event «Water Pollution» organised by the 2nd High School of Veria, 29 Μαΐου 2003.
- D. Voutsas. PCBs in Soil in 10th EU Common Forum on Contaminated Land, Larnaca, Cyprus, 2-3 June 2003, organised by the European thematic committee.
- D. Voutsas. Quality of surface and ground waters in the area of Thessaloniki in H' Conference of Cultural Groups in Thessaloniki «Culture and Environment Development for the next generations», Neoxorouda Thessaloniki 19-21 September 2003.

RESEARCH PROJECTS

As scientific coordinator

- Water quality monitoring-assessment of chemical quality status -impact of pressures-possible risks (2020-2022)
- Monitoring the quality of surface water-Evaluation of chemical status (2018-2020)
- Leaching Tests – Risk Assessment (2019)
- Study of the occurrence of chlorinated solvents in groundwater (2018-2019)
- Study of odor compounds in water samples (2017)
- Formation and fate of ozonation by-products during treatment of surface waters (2011-2013)
- Analysis of airborne particulates (2014-2015)
- Analyses of Bisphenol A by gas chromatography-mass spectrometry (2014)
- Emerging pollutants as indicators of quality status in marine environments. A comparative study between Mediterranean and Baltic Sea. IKYDA 2010 Programme for the promotion of the exchange and scientific cooperation between Greece and Germany (2010-2011)
- An integrated strategy to assess and evaluate water quality of Lake Skodra. SEE-ERA.NET Pilot Joint Call-Research Project (2007-2008)
- Endocrine disrupting compounds in coastal area of Thessaloniki, Greece. PENED 2005 (2005-2007)
- New technologies in arsenic removal from potable waters. PYTHAGORAS I (2004-2006)
- Study of the zeolite efficiency to remove pollutants from wastewater (2010)
- Analyses of airborne particulate matter (2014-2015)
- Metals in airborne particulate matter (2009-2010)
- Quality of ground and surface waters (2010-2011)
- Environmental quality control in the area of waste landfill- XYTA Tagarades (2004-2006)

Participation in research projects as member of research team

- Bioactivity of airborne particulates in relation with their size, morphology and chemical composition (BIOACTAIR) (2011-2015).
- Development of a cost efficient policy tool for reduction of particulate matter in AIR (ACCEPT-AIR) LIFE 09 ENV/GR/000289. Programme Life+Environment Policy and Governance. (2011-2014).
- Study on factors affecting the formation of chlorinated by-products during chlorination of waters in Greece (2005-2007). PYTHAGORAS II
- Boron contamination of water resources in the Mediterranean region: distribution, sources, social impact and remediation. FP5 Program “Energy, Environment and Sustainable Development-Sustainable Management and quality of water” (2001-2003).
- Study on the occurrence and removal of POPs in wastewater treatment plants of Thessaloniki (2003-2004)
- Chemical analysis of inhalable particles in the atmosphere of Athens (2000-2002)
- Impacts from fire in generators of ΑΗΣ Αγios Dimitrios, DEH (2002)
- Investigation of the chemical composition of airborne particulates for source apportionment in the Kozani-Ptolemais basin, Greece (2001-2002).
- Chemical composition of airborne particulate matter in the major area of Thessaloniki- Identification of possible pollution sources (1997-1999).

- Pollution of sediments: the effect of suspended sediments in the quality of water. Greek-Spain bilateral project (2000-2001).
- Metals in airborne particulate matter from TVX-Hellas area of Straton-Olimbiada Chalkidiki (1998-1999)
- Arsenic removal from drinking water Greek-germany bilateral project (2000-2001).
- Evaluation of possible transboundary transfer of air pollutants from the conflict area of former Yugoslavia (1999).
- Integrated investigation of municipal solid waste management in Thessaloniki (1998-1999).
- Evaluation of the quality of surface waters in Macedonia, N. Greece (1997-1999).
- Asbestos in waters of Aliakmon river (1997-1999).
- Heavy metals in the atmosphere of suburban areas of Thessaloniki: Ionia, Sindos, and Kalohori (1997-1998).
- Airborne Particulate Matter in the atmosphere of suburban areas of Thessaloniki: Ionia, Sindos, and Kalohori (1997-1998).
- Polycyclic aromatic hydrocarbons and heavy metals within the inhalable particulate matter of Thessaloniki, N. Greece: Determination-Source identification and apportionment (1993-1994).
- Industries for processing of agricultural products of prefecture of Pella. Monitoring of wastewaters and evaluation of possible impacts in the surface waters (1995).
- Development of method for determination of asbestos in waters. Application in Aliakmon River and drinking water distribution system of Thessaloniki.
- Evaluation of the efficiency of the municipal wastewater treatment plant of Thessaloniki (1990-1992)
- Evaluation of surface water quality. A case study: Aliakmon river (1991-1992).
- Assessment of the quality of surface waters and groundwaters in the major area of Thessaloniki (1988-1991).
- Pollution control of the atmosphere in the area of Thessaloniki (1987-1988)