

CURRICULUM VITAE

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Education

- Diploma in Chemical Engineering, Department of Chemical Engineering, Aristotle University of Thessaloniki (1987).
- Department of Chemical Engineering, Aristotle University of Thessaloniki, Ph.D. Thesis: “Production, characterisation and adsorptive capacity of activated carbons from Greek lignite” (1988-1995).

Professional experience

January 2009: Professor, Department of Pollution Control Technologies, Technological Educational Institute of West Macedonia, Koila, Kozani, Greece.

April 2004: Associate professor, Department of Pollution Control Technologies, Technological Educational Institute of West Macedonia, Koila, Kozani, Greece.

May 1999- April 2004: Research Engineer at the Chemical Process Engineering Research Institute, Thessaloniki, Greece. Participation in 9 projects regarding reduction of emissions during solid waste combustion and treatment of industrial wastewaters.

March 1998-April 1999: Research Engineer at the Institute of Ecological Chemistry, GSF National Research Center, Munich, Germany. Participation in a project regarding minimization of dioxins and furans emitted during solid waste combustion.

February 1988-March 1998: Research Engineer in the Chemical Technology Lab, Chemical Engineering Dept., Aristotle University of Thessaloniki and in the Chemical Process Engineering Research Institute. Participation in 17 projects regarding solid wastes and wastewater management, treatment and disposal methods.

Research experience

Research experience on development and application of physical, chemical and biological methods for monitoring/control/management of water and wastewaters. Application of bioassays for the assessment of the ecotoxic properties of solid wastes, water and wastewaters. Implementation of methods for the stabilization of wasted sludge from wastewater treatment plants. Optimization of water and wastewater treatment techniques. Monitoring of environmental impacts from solid waste management;

examination of toxic releases from solid waste incineration. Prevention of dioxin production from thermal treatment of solids.

Participation in national and international funded projects:

- 2006 – 2009 The European Charter for Sustainable Tourism in protected Areas of Archimed regions integrated with EMAS, Agenda 21 and Ecolabel – ARCHICARTER, Programme INTERREG IIB-ARCHIMED,
- 2005 – 2008 Social and professional reinstatement of people with disable and greek gypsies through recycling programme for waste from electric and electronic equipment in Greece, Programme EQUAL.
- 2005 – 2008 Application of physicochemical and ecotoxicological analysis for the assessment of water quality at Prespa lakes, Greek-Albania cooperation project.
- 2005 – 2007 Sewage sludge stabilization by fly ash addition and study of ecotoxic effects by bioassays, Programme Archimedes.
- 2005–2006 Study of the use of coagulation-flocculation for the treatment of wastewaters from an agro-chemical industrial plant, supported by BASF Hellas.
- 2005–2006 Water management in the area of Servia basin, supported by municipality of Servia-Western Macedonia.
- 2003- 2005 Toxicity evaluation of major discharges in the coastal areas by using various bioassay and biomarker techniques, Greek-Turkish Joint Research Project.
- 2001-2004 Wastewater Reuse - Guideline Development Pilot Artificial Recharging Of Aquifers Through Direct Injection And Irrigation For Seawater Intrusion Control Within The Framework Of Integrated And Sustainable Water Management, LIFE ENV.
- 2001-2005 Minimisation of the Environmental Impact of Coke Oven emissions, EU-ECSC 7220-PR-141.
- 2001-2004 Particulate removal from flue gases: Improving the performance of electrostatic precipitators, EU-ECSC 7220-PR-123.
- 2001-2004 Emissions minimization in coal solid waste co-combustion by primary measures, EU-ECSC 7220-PR-108.
- 2001-2002 Evaluation of the physicochemical properties and bioassays on waters of rivers of Navarre, University of Navarre, Spain.
- 1999-2001 Production and application of special cokes for environmental purposes, EU-DGXVII.
- 1999-2001 Demonstration of BGL gasification under optimised conditions for the European and Asian market, Thermie Type A

1998-2001	New products from glassy combustion residues-PROGRES, Thematic Networks, Type 1.
1998-1999	Examination of incineration behavior of solid wastes and study of gas emissions and solid residues characteristics, TMR-EU
1997-1999	Low emission co-combustion of different waste woods species and lignite derived products in industrial power plants, Thermie-Action A.
1997-1999	Improvement and development of carbon products derived from Coal, EU-DG XVII.
1995-1996	Recycle and membrane recovery of gases in gasification processes, EU-DG XVII.

Publications

1. Samaras P., Diamadopoulos E. and Sakellaropoulos G.P., The effect of demineralization on lignite activation, *Carbon*, 29, 8, 1181, 1991.
2. Diamadopoulos E., Samaras P. and Sakellaropoulos G.P., The effect of activated carbon properties on the adsorption of toxic substances, *Wat. Sci. Technol.*, 25, 1, 153, 1992.
3. Samaras P., Diamadopoulos E. and Sakellaropoulos G.P., Acid treatment of lignite and its effect on activation, *Carbon*, 32, 5, 771, 1994.
4. Samaras P., Diamadopoulos E. and Sakellaropoulos G.P., Relationship between the activated carbon surface area and adsorption model coefficients for removal of phenol from water, *Water Qual. Res. J. Canada*, 30, 2, 325, 1995.
5. Samaras P., Diamadopoulos E. and Sakellaropoulos G.P., The effect of mineral matter and pyrolysis conditions on the gasification of Greek lignite by carbon dioxide, *Fuel*, 75, 9, 1108, 1996.
6. Diamadopoulos E., Samaras P., Dabou X., and Sakellaropoulos G.P., Combined treatment of landfill leachate and domestic sewage in a Sequencing Batch Reactor, *Wat. Sci. Technol.*, 36, 2-3, 61, 1997.
7. Kungolos A., Samaras P., Kimeroglou V., Dabou X. and Sakellaropoulos G. P., Water Quality and Toxicity Assessment in Koronia Lake-Greece, *Fresenius Envir. Bull.*, 7, 615, 1998.
8. Samaras P., Dabou X. and Sakellaropoulos G. P., Thermal treatment of lignite for carbon molecular sieve production, *J. of Thermal Analysis*, 52, 717, 1998.
9. Samaras P., Dabou X. and Sakellaropoulos G.P., Production, characterization and applications of carbon molecular sieves from a high ash Greek lignite, in *Adsorption and its Applications in Industry and Environmental Protection. Studies in Surface Science and Catalysis*, 120A, 425, 1998.
10. Samaras P., Sakellaropoulos G. P., Kungolos A. and Dermisi S., Toxicity Assessment Assays in Greece, *Fresenius Envir. Bull.*, 7, 623, 1998.

11. Kungolos A., Samaras P., Kipopoulou A.M., Zoumboulis A. and Sakellaropoulos G.P., Interactive toxic effects of agrochemicals on aquatic organisms, *Wat. Sci. Technol.*, 40, 1, 357, 1999.
12. Samaras P., Blumenstock M., Lenoir D., Schramm K. W. and Kettrup A., PCDD/F Prevention by Novel Inhibitors: Addition of Inorganic S- and N-Compounds in the Fuel before Combustion, *Environ. Sci. Technol.*, 34, 5092, 2000.
13. Samaras P., Blumenstock M., Schramm K. W. and Kettrup A., Emissions of chlorinated aromatics during sludge combustion, *Wat. Sci. Technol.*, 42, 9, 251, 2000.
14. Dabou X., P. Samaras P. and Sakellaropoulos, G. P., Modification of activated carbon fiber pore structure by coke deposition, *J. de Physique IV*, 11, 3, 787, 2001.
15. Orfanoudaki T., Dabou X., Korili S., Samaras P. and Sakellaropoulos, G. P., Plasma enhanced chemical vapor deposition of propylene on activated carbon fibers, *J. de Physique IV*, 11, 3, 279, 2001.
16. Samaras P., Blumenstock M., Lenoir D., Schramm K. W. and Kettrup A., PCDD/F inhibition by prior addition of urea to the solid fuel in laboratory experiments and results statistical evaluation, *Chemosphere*, 42, 737, 2001.
17. Samaras P., Korili S.A., Gandva L.M. and Gil A., Evaluacion de la toxicidad de aguas superficiales empleando un conjunto de bioensayos con micoorganismos, *Revista Tcnica de Medio Ambiente (Evaluation of the toxicity of surface waters using a battery of bioassays with microorganisms, Technical Journal of Environment)*, 88, 40, 2001.
18. Samaras P., Kungolos A., Karakasidis T., Georgiou D. and Perakis K., Statistical evaluation of PCDD/F emission data during solid waste combustion by fuzzy clustering techniques, *Journal of Environmental Science and Health-Part A: Toxic/Hazardous Substances & Environmental Engineering*, A36(2), 153, 2001.
19. Samaras P., Skodras G., Sakellaropoulos G. P., Blumenstock M., Schramm K. W. and Kettrup A., Toxic emissions during co-combustion of biomass-wastewood-lignite blends in an industrial boiler, *Chemosphere*, 43, 751, 2001.
20. Skodras G., Grammelis P., Samaras P., Vourliotis P., Kakaras E. and Sakellaropoulos G. P., Emissions monitoring during coal waste wood co-combustion in an industrial steam boiler, *Fuel*, 81, 547, 2002.
21. Kungolos A., Samaras P. and Kutseris E., Using bioassays for testing seawater quality in Greece, *Journal of Environmental Science and Health-Part A: Toxic/Hazardous Substances & Environmental Engineering*, 38, 3, 533, 2003.
22. Tatsi A.A., Zouboulis A.I., Matis K.A., Samaras P., Coagulation-flocculation pretreatment of sanitary landfill leachates, *Chemosphere*, 53, 7, 737, 2003.
23. Kungolos A., Hadjispyrou S., Petala M., Tsiridis V., Samaras P., Sakellaropoulos G.P., Toxic properties of metals and organotin compounds and their interactions on *Daphnia magna* and *Vibrio fischeri*, *Water, Air, and Soil Pollution: Focus*, 4, 4-5, 101, 2004.

24. Gotsi M., Kalogerakis N., Psillakis E., Samaras P., Electrochemical oxidation of olive oil mill wastewaters, *Water Research*, 39, 4177, 2005.
25. Okay O.S., Tolun L., Tüfekçi V., Karacık B., Kungolos A., Samaras P., Papadimitriou C., Tsiridis V., Comparison of several toxicity tests applied to complex wastewaters and mussel biomarkers in receiving waters, *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, 40, 8, 1525, 2005.
26. Kungolos A., Samaras P., Tsiridis V., Petala M., Sakellaropoulos G. P., Bioavailability and toxicity of heavy metals in the presence of natural organic matter, *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering* 41, 8, 1509, 2006.
27. Ntampou X., Zouboulis A.I., Samaras P., Appropriate combination of physico-chemical methods (coagulation/flocculation and ozonation) for the efficient treatment of landfill leachates, *Chemosphere*, 62, 5, 722, 2006.
28. Papadimitriou Ch., Ntampou X., Samaras P., Sakellaropoulos G. P., Coke oven wastewater treatment by two activated sludge systems, *Global Nest Journal*, 8, 1, 16, 2006.
29. Petala M., Tsiridis V., Samaras P., Zouboulis A., Sakellaropoulos G. P., Wastewater reclamation by advanced treatment of secondary effluents, *Desalination*, 195, 1-3, 109, 2006.
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31. Petala M., Samaras P., Kungolos A., Zouboulis A., Sakellaropoulos G. P., Ecotoxicological properties of wastewater treated using tertiary methods, *Environmental Toxicology*, 21, 4, 417, 2006.
32. Tsiridis V., Samaras P., Kungolos A., Sakellaropoulos G. P., Application of leaching tests for toxicity evaluation of coal fly ash, *Environmental Toxicology*, 21, 4, 409, 2006.
33. Tsiridis V., Petala M., Samaras P., Hadjispyrou S., Sakellaropoulos G. P., Kungolos A., Interactive toxic effects of heavy metals and humic acids on *Vibrio fischeri*, *Ecotoxicology and Environmental Safety*, 63, 1, 158, 2006.
34. Velegraki T., Poulis I., Charalabaki M., Kalogerakis N., Samaras P., Mantzavinos D., Photocatalytic and sonolytic oxidation of acid orange 7 in aqueous solution, *Applied Catalysis B: Environmental*, 62, 1-2, 159, 2006.
35. Papadimitriou C., Palaska G., Lazaridou M., Samaras P., Sakellaropoulos G. P., The effects of toxic substances on the activated sludge microfauna, *Desalination*, 211, 177, 2007.
36. Zouboulis A., Samaras P., Ntampou X., Petala M., Potential ozone applications for water/wastewater treatment, *Separation Science and Technology*, 42, 1433, 2007.

37. Zouboulis A., Traskas G., Samaras P., Comparison of single and dual media filtration in a full-scale drinking water treatment plant, *Desalination*, 213, 334, 2007.
38. Kontana A., Papadimitriou C. A., Samaras P., Zdragas A., Yiangou M., Bioassays and biomarkers for ecotoxicological assessment of reclaimed municipal wastewater, *Water and Science and Technology*, 57, 6, 947, 2008.
39. Papadimitriou C., Haritou I., Samaras P., Zouboulis A., Evaluation of leaching and ecotoxicological properties of sewage sludge-fly ash mixtures, *Environmental Research*, 106, 3, 340, 2008.
40. Petala M., Samaras P., Zouboulis A., Kungolos A., Sakellaropoulos G. P., Influence of ozonation on the in vitro mutagenic and toxic potential of secondary effluents, *Water Research*, 42, 4929, 2008.
41. Samaras P., Papadimitriou C., Haritou I., Zouboulis A., Investigation of sewage sludge stabilization potential by the addition of fly ash and lime, in press, *Journal of Hazardous Materials*, 2007.
42. Stavropoulos G., Samaras P., Sakellaropoulos G. P., Effect of activated carbon modification on its porosity, surface structure and phenol adsorption, in press, *Journal of Hazardous Materials*, 2007.
43. Tsilogeorgis J., Zouboulis A., Samaras P., Zamboulis D., Application of a membrane sequencing batch reactor for landfill leachate treatment, in press, *Desalination*, 2007.
44. Soupilas A., Papadimitriou C., Samaras P., Gudulas K., Petridis D., Monitoring of industrial effluent ecotoxicity in the greater Thessaloniki area, *Desalination*, 224, 1-3, 261, 2008.
45. Zouboulis A., Traskas G., Samaras P., Comparison of Efficiency between Poly-aluminium Chloride and Aluminium Sulphate Coagulants during Full-scale Experiments in a Drinking Water Treatment Plant, *Separation Science and Technology*, 43, 1507, 2008.
46. Papadimitriou C. A., Samaras P., Sakellaropoulos G. P., Comparative study of phenol and cyanide containing wastewater in CSTR and SBR activated sludge reactors, *Bioresource Technology*, 100, 1, 31, 2009.
47. Petala M., Kokokiris L., Samaras P., Papadopoulos A., Zouboulis A., Toxicological and ecotoxic impact of secondary and tertiary treated sewage effluents, *Water Research*, 43, 20, 5063, 2009.
48. Samaras P., Papadimitriou C. A., Vavoulidou D., Yiangou M., Sakellaropoulos G. P., Effect of hexavalent chromium on the activated sludge process and on the sludge protozoan community, *Bioresource Technology*, 100, 1, 38, 2009.
49. Vouitsis E., Ntziachristos L., Pistikopoulos P., Samaras Z., Chrysikou L., Samara C., Papadimitriou C., Samaras P., Sakellaropoulos G. P., An investigation on the physical, chemical and ecotoxicological characteristics of particulate matter emitted from light duty vehicles, έγινε δεκτό για δημοσίευση στο *Environmental Pollution*, 2009.

50. Karagiannidis A., Papageorgiou A., Perkoulidis G., Sanida G., Samaras P., A multi-criteria assessment of scenarios on thermal processing of infectious hospital wastes: A case study for Central Macedonia, *Waste Management*, 30, 2, 251, 2010.
51. Laspidou C. S., Kungolos A., Samaras P., Cellular automata and individual based approaches for the modeling of biofilm structures: Pros and cons, *Desalination*, 250, 1, 390, 2010.
52. Papadimitriou C. A., Papatheodoulou A., Takavakoglou V., Zdragas A., Samaras P., Sakellaropoulos G. P., Lazaridou M., Zalidis G., Investigation of protozoa as indicators of wastewater treatment efficiency in constructed wetlands, *Desalination*, 250, 1, 378, 2010.

Patent

Lenoir, D., Samaras, P., Schramm, K.-W., Kettrup, A., Verfahren zur Minderung des Gehalts von polychlorierten Dibenzodioxinen und -Furanen im Abgas von chemischen Hochtemperatur-Prozessen, Deutsche Patent Office, DE 199 53 418 A1, 17/05/2001 (PN 200201602324: Method for reducing the content of polychlorinated dibenzodioxins and -furans in the exhaust gas of chemical high-temperature processes, US Patent Office).

Books

1. Samaras, P., Evaluation of toxic properties of industrial effluents by on-line respirometry, in Lehr J., Keeley J., Lehr J., Kingery T.B., (eds), *Water Encyclopedia*, J. Wiley & Sons Inc., 565, 2005.
2. Zouboulis A.I., Samaras P., Landfill leachates, Part I: Origin and characterization, in Lehr J., Keeley J., Lehr J., Kingery T.B., (eds), *Water Encyclopedia*, J. Wiley & Sons Inc, 699, 2005.
3. Zouboulis, A.I., Samaras, P., Landfill leachates, Part II: Treatment, in Lehr J., Keeley J., Lehr J., Kingery T.B., (eds), *Water Encyclopedia*, J. Wiley & Sons Inc., 702, 2005.
4. Kungolos A.G., Brebbia C.A., Samaras P., Popov V., *Environmental Toxicology*, WIT Press, UK, 2006.
5. Kungolos A., Aravossis K., Karagiannidis A. and Samaras P., Proceedings of SECOTOX Conference and the International Conference on Environmental Management, Engineering, Planning and Economics, CEMEPE, Skiathos, Greece, Volumes I-IV, 2007.
6. Samaras P., Papadimitriou C., Gudulas K., Shumka S., Zouboulis A., The ecological quality of the transboundary protected area of Prespa Lakes according to the principles of water framework directive, pp121-142, in *Recent Research Developments in Environmental Technology*, Ed. Gil A., Korili S., Transworld Research Network, India, 2008.

Conference Proceedings

1. Samaras P., Diamadopoulos E. and Sakellaropoulos G.P., Optimal design of activated carbon adsorbers, in Computer techniques in environmental studies, Editor: P. Zannetti, Computational Mechanics Publications and Springer-Verlag, 701, 1988.
2. Diamadopoulos E., Dabou X, Lionta G., Axouristos T., Samaras P. and Sakellaropoulos G.P., Characterization and treatment of an "old" leachate, Annual Conference of "KRIKOS" organization on Restoration and Protection of the Environment in the '90s, Thessaloniki, Greece, 132, 1992.
3. Samaras P., Dabou X. and Sakellaropoulos G. P., Biological treatment of a landfill leachate using the Sequencing Batch Reactor process, 3rd International Conference on Environmental Pollution, Thessaloniki, Greece, 53, 1996.
4. Kungolos A., Samaras P. and Sakellaropoulos G.P., Evaluation of the interactive effect of chemicals on aquatic organisms, using a method based on the theory of probabilities, in Water Pollution IV-Modeling, Measuring and Prediction, Editors: R. Rajar and C. A. Brebbia, Computational Mechanics Publications, 107, 1997.
5. Kungolos A., Dermissi S., Kasmeridis N., Samaras P. and Diamadopoulos E., Incorporation of social acceptance in the sanitary landfill siting selection procedures in Greece, International Conference on Protection and Restoration of the Environment IV, Chalkidiki, Greece, 954, 1998.
6. Kungolos A., Peristeridis G., Halatzoglou A., Samaras P. and Sakellaropoulos G.P., Toxicity characterization of influents and effluents in a wastewater treatment plant, 1st Conference on Water and the Environment, Balkan Cooperation Network, Thessaloniki, Greece, 175, 1998.
7. Samaras P., Kungolos A., Dabou X. and Sakellaropoulos G.P. Toxicity reduction and denitrification of municipal and industrial wastewater, International Conference on Protection and Restoration of the Environment IV, Chalkidiki, Greece, 585, 1998.
8. Kaldis S. P., Pavlou O., Samaras P. and Sakellaropoulos G. P., Preparation of ceramic membranes-Application in IGCC processes for hot CO₂ removal, Conference on High Temperature Gas Cleaning, Karlsruhe, Germany, Vol. II, 900, 1999.
9. Kungolos A., Batziaka V., Samaras P., Sakellaropoulos G. P., Kipopoulou A. M., Zoumboulis A. and Kouimtzis Th., Using Toxkits for calculating interactive effects of chemicals, in New Microbiotests for Routine Toxicity Screening and Biomonitoring, Editors: G. Persoone, C. Janssen and W. De Coen, Kluwer Academic/Plenum Publishers, NY, 487, 2000.
10. Kungolos A., Samaras P., Koutseris E. and Sakellaropoulos G.P., Using bioassays for testing seawater quality in Greece, in Environmental Coastal Regions III, Editors: G. R. Rodriguez, C. A. Brebbia and E. Perez-Martell, WIT Press, 401, 2000.
11. Kungolos A., Samaras P., Stavrakis I., Petala M. and Sakellaropoulos G. P., Using bioassays for environmental monitoring in Greece, International Conference on Protection and Restoration of the Environment V, Thassos, Greece, 155, 2000.

12. Petala M., Kungolos A., Samaras P., Stavrakis I., Skodras G. and Sakellaropoulos G. P., Toxicity assessment of sludge from wastewater treatment plants, 5th International Conference on Environmental Pollution, Thessaloniki, Greece, 549, 2000.
13. Samaras P., Blumenstock M., Lenoir D., Schramm K. W. and Kettrup A., PCDD/F suppression by addition of S- and N-compounds during solid waste combustion, International Conference on Protection and Restoration of the Environment V, Thassos, Greece, 845, 2000.
14. Stavrakis I., Kungolos A., Samaras P., Pantelidou Ch., Soupilas A. and Sakellaropoulos G. P., Toxicity monitoring in Thessaloniki wastewater treatment plant, 5th International Conference on Environmental Pollution, Thessaloniki, Greece, 124, 2000.
15. Bekioti Z., Petala M., Samaras P., Tsiridis V., Kungolos A. and Sakellaropoulos G.P., Assessment of toxic and genotoxic properties of solid waste samples, First European Bioremediation Conference, Chania, Greece, 434, 2001.
16. Famelos S., Michou S., Karpouza A., Petala M., Samaras P. and Sakellaropoulos G. P., Wastewater reclamation by advanced treatment of secondary effluents in Thermi, Thessaloniki, Greece, IWA 2nd World Water Congress, Berlin, Germany, No. P2119, 2001.
17. Kungolos A., Hadjispyrou S., Samaras P., Petala M., Tsiridis V., Aravossis K. and Sakellaropoulos G. P., Assessment of toxicity and bioaccumulation of organotin compounds, 7th Conference on Environmental Science and Technology, Syros, Greece, 499, 2001.
18. Petala M., Albanis Th., Samaras P., Kungolos A. and Sakellaropoulos P., The use of jar tests for the determination of coagulation conditions of a secondary effluent, 7th Conference on Environmental Science and Technology, Syros, Greece, 419, 2001.
19. Samaras P., Kungolos A., Stavrakis I., Petala M., Kalafati E., Pantelidou Ch., Tsirtou M., and Sakellaropoulos G. P., Evaluation of toxicity of various metal elements to different microorganisms, 7th Conference on Environmental Science and Technology, Syros, Greece, 474, 2001.
20. Tsiridis V., Kungolos A., Petala M., Samaras P. and Sakellaropoulos G.P., The use of ultraviolet spectrophotometry for the rapid examination of wastewater quality, International Conference on Ecological Protection of the Planet Earth I, Xanthi, Greece, Vol. I, 485, 2001.
21. Kungolos A., Hajispirou S., Petala M., Tsiridis V., Samaras P. and Sakellaropoulos G. P., Toxic properties of cadmium, cyanide and organotin compounds and their interactions on *Vibrio fischeri*, 2nd European Conference on Pesticides and Related Organic Micropollutants in the Environment, Ioannina, Greece, 223, 2002.
22. Kungolos A., Hajispirou S., Petala M., Tsiridis V., Samaras P. and Sakellaropoulos G. P., Toxic properties of metals and organotin compounds and their interactions on

- daphnia magna* and *vibrio fischeri*, International Conference on Protection and Restoration of the Environment VI, Skiathos, Greece, 817, 2002.
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 24. Kungolos A., Hadjisprou S., Petala M., Tsiridis V., Samaras P. and Sakellaropoulos G. P., Toxic properties of cyanide, chromium and organotin compounds and their interactions on *Daphnia magna*, 8th International Conference on Environmental Science and Technology, Lemnos island, Greece, 515, 2003.
 25. Papadimitriou C., Palaska G., Samaras P., Lazaridou M. and Sakellaropoulos G. P., The relation of protozoan populations to activated sludge performance, International Conference on Protection and Restoration of the Environment VII, Mykonos, Greece, 2004.
 26. Papadimitriou C., Dabou X., Samaras P. and Sakellaropoulos G. P., Coke oven wastewater treatment by two activated sludge systems, 9th International Conference on Environmental Science and Technology, Rhodes island, Greece, A-1163, 2005.
 27. Papadimitriou C., Palaska G., Lazaridou M., Samaras P. and Sakellaropoulos G. P., Applicability of the Sludge Biotic Index (SBI) to municipal and industrial activated sludge plants, 9th International Conference on Environmental Science and Technology, Rhodes island, Greece, B-664, 2005.
 28. Petala M., Tsiridis V., Kiriazis S., Samaras P., Kungolos A. and Sakellaropoulos G. P., Evaluation of the toxic response of heavy metals and organic pollutants using microtox acute toxicity test, 9th International Conference on Environmental Science and Technology, Rhodes island, Greece, A-1200, 2005.
 29. Velegraki T., Kalogerakis N., Charalabaki M., Poulis I., Samaras P. and Mantzavinos D., Semiconductor assisted photocatalytic degradation of azo dye acid orange 7 in aqueous solution, 9th International Conference on Environmental Science and Technology, Rhodes island, Greece, A-1590, 2005.
 30. Zouboulis A., Traskas G. and Samaras P., Improvement of drinking water plant treatment, IASME Transactions, 4 (2), 523-528, 2005. (Presented as plenary lecture in Intern. Conf. on "Energy, Environment, Ecosystems and Sustainable Development", organized by WSEAS in Vouliagmeni (Athens), 2005).
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 32. Lapidou C. S., Kungolos A. and Samaras P., Mathematical Modeling of biofilm structures with cellular-automata and individual-based modeling approaches,

- International Conference on Protection and Restoration of the Environment VIII, Chania, Greece, 2006.
33. Papadimitriou C., Evagelopoulos V., Samaras P., Triantafyllou A. G., Zoras S. and Albanis T. A., Toxicity of atmospheric particulate matter using aquatic bioassays, 1st International Conference on environmental Toxicology, Mykonos, Greece, 31, 2006.
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 36. Prohaska C. A., Zouboulis A., Samaras P. and Zamboulis D., Effect of MLSS concentration on the start-up of a submerged membrane bioreactor, International Conference on Protection and Restoration of the Environment VIII, Chania, Greece, 2006.
 37. Siapkas P., Karagiannidis A. and Samaras P., A review of biodiesel feedstock, production and use, International Conference on Protection and Restoration of the Environment VIII, Chania, Greece, 2006.
 38. Zouboulis A., Samaras P., Ntampou X. and Petala M., Potential Ozone applications for water/wastewater treatment, 1st European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP), Chania, Greece, 2006.
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Other Skills

- A. Member of the Technical Chamber of Greece and of the corresponding Environmental Committee.
- B. Reviewer of research project proposals for DG XII.
- C. Associate Editor in Desalination and Water Treatment Journal
- D. Reviewer of articles submitted to the following international scientific journals.
 - Science of the Total Environment
 - Journal of Atmospheric Environment
 - Environmental Science and Technology
 - Sustainable Planning
- E. Participation in the scientific committee of 6 international scientific conferences.
- F. Instructor for continuing education courses on Wastewater Treatment for various organizations private and public organizations.
- G. Consulting engineer in private enterprises regarding the examination of water-wastewater quality and the preparation of environmental impact assessment reports.
- H. Experience on the design, construction and operation of small-scale water-wastewater treatment plant.