

G. ZACHARIADIS, PUBLISHED PAPERS IN PEER REVIEWED JOURNALS

P-1 Critical comparison of decomposition procedures for atomic absorption spectrometrical analysis of prehistoric ceramics.

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P-3 Environmental study on chemical pollution of the lake Koronia in Northern Greece.

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P-4 Determination of chemical pollution parameters of the river Axios in Northern Greece.

G. Vassilikiotis, A. Voulgaropoulos, J. Stratis, V. Michalopoulou and G. Zachariadis.
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P-6 Optimization of Cold Vapour Atomic Absorption Spectrometric Determination of Mercury (CVAAS) with and without amalgamation by subsequent use of complete and fractional factorial designs with one-at-a-time experiment and modified Simplex methods.

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P-7 Mosses as biological indicators for monitoring of heavy metal pollution.

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P-10 Separation and determination of carbadox, nitrofurazone, nitrofurantoin, furazolidone and furaltadone in their mixtures by Thin Layer and High Performance Liquid Chromatography.

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P-11 Thin Layer and High Performance Liquid Chromatographic determination of histamine in fish tissues.

G. Kalligas, I. Kaniou, G. Zachariadis, H. Tsoukali, P. Epivatianos

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P-12 Heavy metal pollution in the river Evros, (Southern Europe).

K. Ouzounis, G. Papageorgiou, J. Stratis and G. Zachariadis.

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P-13 Evaluation of chemical parameters in Aliakmon river, Northern Greece.

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P-14 Evaluation of chemical parameters in Aliakmon river, Northern Greece.

Part II: Dissolved and suspended heavy metals.

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P-15 Determination of mercury by ETAAS using different chemical modifiers.

I. Karadjova, P. Mandjukov, S. Tsakovski, V. Simeonov, J. Stratis, G. Zachariadis.

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P-16 A study of air pollution with heavy metals in Thessaloniki using trees as biological indicators.

T. Sawidis, A. Marnasidis, G. Zachariadis and I. Stratis.

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P-17 Atomic Absorption Spectrometrical determination of molybdenum in aqueous tetrathiomolybdate solutions.

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P-18 Classification of Macedonian Early Bronze Age ceramics by the use of their various chemical and technological features.

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P-20 Selective spectrophotometric determination of Co(II) using 2,2'-dipyridyl-2-pyridyl Hydrzone (DPPH) and a Flow Injection manifold.

D.G. Themelis, G.A. Zachariadis, J.A. Stratis.

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P-21 Heavy metal bioaccumulation in lichens from Macedonia in Northern Greece.

T. Sawidis, M.K. Chettri, G.A. Zachariadis, J.A. Stratis, M.D. Seaward.

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P-22 Heavy metals in aquatic plants and sediments from water systems in Macedonia, Greece.

T. Savidis, M.K. Chettri, G.A. Zachariadis, J.A. Stratis.

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P-23 Critical comparison of wet and dry digestion procedures for trace metal analysis of meat and fish tissues.

G.A. Zachariadis, J.A. Stratis, I. Kaniou and G. Kalligas.

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P-24 Chemometrical classification of biomonitoring analytical data for heavy metals.

Part I. Trees (leaves) as bioindicators.

J. Stratis, G. Zachariadis, V. Simeonov, P. Mandjukov, T. Sawidis.

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P-28 Uptake of heavy metal by living and dead Cladonia Thalli.

M.K. Chettri, T. Sawidis, G.A. Zachariadis, J.A. Stratis

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P-29 Soxhlet extraction and acid digestion methods for silver determination in soils by flame and electrothermal Atomic Absorption Spectrometry.

I.N. Papadoyannis, M.K. Sofoniou, V. F. Samanidou, G.A. Zachariadis, A.C Zotou, H.A. Constantinidou and S.E. Tsouris.

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P-30 Flame AAS and UV-VIS determination of cobalt, nickel and palladium using the synergetic effect of 2-benzoylpyridine-2-pyridylhydrazone and thiocyanate ions.

G.A. Zachariadis, D.G. Themelis, D.J. Kosseoglou and J.A. Stratis.

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P-31 Electrothermal atomic absorption spectrometric determination of aluminium, cadmium, chromium, copper, iron, manganese, nickel, and lead in olive oils.

I. Karadjova, G. Zachariadis, G. Boskou, J. Stratis

Journal of Analytical Atomic Spectroscopy, 1998, 13, 201-204.

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P-32 Chemometrical classification of biomonitoring analytical data for heavy metals.

Part II. Mosses as bioindicators.

S. Tsakovski, V. Simeonov, Th. Sawidis, G. Zachariadis, J. Stratis

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P-33 Chemometrical classification of biomonitoring analytical data for heavy metals.

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P-34 Effects of cadmium exposure on bioaccumulation and larval growth in the frog Rana ridibunda.

N.S. Loumbourdis, P. Kyriakopoulou-Sklavounou, G. Zachariadis.

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P-35 Use of Macroalgae as Biological Indicators of heavy metal pollution in Thermaikos Gulf, Greece.

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P-36 Spectrophotometric determination of phenols and cyanides after distillation from natural waters.

M.K.Sofoniou, G.A.Zachariadis, A.N.Anthemidis, Th.A. Kouimtzis.

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P-37 Profile of heavy metals distribution in water and sediment samples from river Evros (Southeast Europe).

G. Vasilikiotis, G. Zachariadis, J. Stratis, F. Vosniakos

Journal of Environmental Protection and Ecology, 2000, 1, 58-62.

P-38 SEM-EDXRF Studies of the behavior of two chemical modifiers based on Platinum and tungsten, and their effect in ETAAS determination of lead.

G.A. Zachariadis, S.A. Sklavounos, P.B. Mandjukov, J.A. Stratis.

Microchimica Acta, 2001, 136, 115-122.

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P-39 Determination of lead, cadmium and mercury in surface sediments and mussels.

G.A.Zachariadis, A.N.Anthemidis, I.Caniou, J.A.Stratis.

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P-40 A study of metal distribution from lignite fuels using trees as biological monitors.

T. Sawidis, M.K. Chettri, A. Papaioannou, G. Zachariadis, J. Stratis.

Ecotoxicology and Environmental Safety, 2001, 48, 27-35.

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P-41 On-line solid phase extraction system using PTFE packed column for the flame atomic absorption spectrometric determination of copper in water samples.

A.N. Anthemidis, G.A. Zachariadis, J.A. Stratis.

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P-42 Trace metal concentrations in marine macroalgae from different biotopes in the Aegean Sea.

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P-43 Accumulation of heavy metals in vegetables grown in an industrial area in relation to soil.

K. Fytianos, G. Katsianis, P. Triantafyllou, G. Zachariadis.

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P-44 Determination of mineral content of active dry yeast used in pharmaceutical formulations.

G.A. Zachariadis, E.S. Raidou, D. Themelis, J.A. Stratis.

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P-45 Flame atomic absorption spectrometric determination of chromium (VI) by on-line preconcentration system using a PTFE packed column.

A.N. Anthemidis, G.A. Zachariadis, J. Cougoulis, J.A. Stratis

Talanta, 2002, 57, 15-22.

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P-46 Assesment of the quality characteristics of Pinios River, Greece.

K. Fytianos*, A. Siumka, G. Zachariadis, S. Beltsios

Water, Air and Soil Pollution, 2002, 136, 317-329.

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P-47 Determination of lead by on-line solid phase extraction using a PTFE micro-column and flame atomic absorption spectrometry.

G.A. Zachariadis, A.N. Anthemidis, P. Bettas, J.A. Stratis*

Talanta, 2002, 57, 919-927.

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P-48 Soil silver content of agricultural areas subjected to cloud seeding with silver iodide.

S.E. Tsiouris, F.A. Aravanopoulos, I.N. Papadoyannis, M.K. Sofoniou, N. Polyzopoulos, M.

Christodoulou, V.F. Samanidou, G.A. Zachariadis, H.A. Constantinidou

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P-49 On-line preconcentration and determination of copper, lead and chromium(VI) using unloaded polyurethane foam packed column by flame atomic absorption spectrometry in natural waters and biological samples.

A.N. Anthemidis, G.A. Zachariadis, J.A. Stratis*

Talanta, 2002, 58, 831-840.

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P-50 Cobalt ultra trace on-line preconcentration and determination using a PTFE turnings packed column and electrothermal atomic absorption spectrometry. Applications in natural waters and biological samples

N. Anthemidis, G.A. Zachariadis, J.A. Stratis

Journal of Analytical Atomic Spectrometry, 2002, 17, 1330-1334.

<http://dx.doi.org/10.1039/b206073f>

P-51 Evaluation of different calibration methods in inductively coupled plasma atomic emission spectrometric analysis of certified glass materials and archaeological glass specimens

G.A. Zachariadis, A.N. Anthemidis, J.A. Stratis

Journal of Analytical Atomic Spectrometry, 2003, 18, 358-366.

<http://dx.doi.org/10.1039/b301098h>

P-52 Gallium trace on-line preconcentration / separation and determination using a polyurethane foam mini-column and flame atomic absorption spectrometry. Application in rocedure alloys, natural waters and urine.

N. Anthemidis, G.A. Zachariadis, J.A. Stratis

Talanta 2003, 60, 929-936.

[http://dx.doi.org/10.1016/S0039-9140\(03\)00156-5](http://dx.doi.org/10.1016/S0039-9140(03)00156-5)

P-53 On-line preconcentration of mercury using an integrated column / gas-liquid separator (PCGLS) and cold vapor atomic absorption spectrometry

G.A. Zachariadis*, A.N. Anthemidis, M. Karpouzi, J.A. Stratis

Journal of Analytical Atomic Spectrometry, 2003, 18, 1274-1278.

<http://dx.doi.org/10.1039/b305600g>

P-54 Development of an on-line solvent extraction system for electrothermal atomic absorption spectrometry utilizing a new gravitational phase separator. Determination of cadmium in natural waters and urine samples

N. Anthemidis, G.A. Zachariadis, J.A. Stratis

Journal of Analytical Atomic Spectrometry, 2003, 18, 1400-1403.

<http://dx.doi.org/10.1039/b308325j>

P-55 Assesment of the surface water quality in Northern Greece

V. Simeonov, J.A. Stratis, C. Samara, G. Zachariadis, D. Voutsas, A. Anthemidis, M. Sofoniou, Th. Kouimtzis
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[http://dx.doi.org/10.1016/S0043-1354\(03\)00398-1](http://dx.doi.org/10.1016/S0043-1354(03)00398-1)

P-56 Soil silver mobility in areas subjected to cloud seeding with AgI

S.E. Tsiouris, F.A. Aravanopoulos, I.N. Papadoyannis, M.K. Sofoniou, V.F. Samanidou, G.A. Zachariadis, E. Constantinidou.

Fresenius Environmental Bulletin, 2003, 12, 1059-1063.

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P-57 On-line liquid-liquid extraction system using a new phase separator for flame atomic absorption spectrometric determination of ultra-trace cadmium in natural waters

N. Anthemidis, G. A. Zachariadis, Ch. G. Farastelis, J. A. Stratis

Talanta, 2004, 62, 437-443.

<http://dx.doi.org/10.1016/j.talanta.2003.07.019>

P-58 Microwave-assisted versus conventional decomposition procedures applied on a ceramic potsherd standard reference material by inductively coupled plasma atomic emission spectroscopy

D.N. Papadopoulou, G.A. Zachariadis, A.N. Anthemidis, N.C. Tsirliganis, J.A. Stratis

Analytica Chimica Acta 2004, 505, 173-181.

[http://dx.doi.org/10.1016/S0003-2670\(03\)00357-X](http://dx.doi.org/10.1016/S0003-2670(03)00357-X)

P-59 Human recombinant mutated forms of the mitochondrial COY assembly Sco2 protein differ from wild-type in physical state and copper binding capacity.

P.F. Foltopoulou, G.A. Zachariadis, A.S. Politou, A.S. Tsiftsoglou, L.C. Papadopoulou

Molecular Genetics and Metabolism, 2004, 81, 225-236.

<http://dx.doi.org/10.1016/j.ymgme.2003.11.006>

P-60 Time-based injection on-line preconcentration cold vapour generation procedure for ultra-trace mercury determination with inductively coupled plasma atomic emission spectrometry.

A.N. Anthemidis, G.A. Zachariadis, C.E. Michos, J.A. Stratis

Analytical and Bioanalytical Chemistry, 2004, 379, 764-769.

<http://dx.doi.org/10.1007/s00216-004-2593-2>

P-61 Development of a sequential injection system for trace mercury determination by cold vapour

atomic absorption spectrometry utilizing an integrated gas liquid separator / reactor.

N. Anthemidis, G. A. Zachariadis, J.A. Stratis

Talanta, 2004, 64, 1053-1057.

<http://dx.doi.org/10.1016/j.talanta.2004.05.003>

P-62 Direct determination of toxic metals in honey and sugars using inductively coupled plasma atomic emission spectrometry.

M.D. Ioannidou, G.A. Zachariadis*, A.N. Anthemidis, J.A. Stratis

Talanta, 2004, 65, 92-97.

<http://dx.doi.org/10.1016/j.talanta.2004.05.018>

P-63 Comparison of portable micro-X-ray spectrometry with inductively coupled plasma atomic emission spectrometry for the ancient ceramics analysis.

D.N. Papadopoulou, G.A. Zachariadis, A.N. Anthemidis, N.C. Tsirliganis, J.A. Stratis

Spectrochimica Acta Part B, 2004, 59, 1877-1884.

<http://dx.doi.org/10.1016/j.sab.2004.09.001>

P-64 Determination of arsenic(III) and total inorganic arsenic in water samples using an on-line sequential insertion system and hydride generation atomic absorption spectrometry.

A.N. Anthemidis, G. A. Zachariadis, J.A. Stratis
Analytica Chimica Acta, 2005, 547, 237-242.
<http://dx.doi.org/10.1016/j.aca.2005.05.039>

P-65 On-line speciation of mercury and methylmercury by cold vapor atomic absorption spectrometry using selective solid phase extraction.

G. A. Zachariadis*, A. N. Anthemidis, E. Daftsis, J.A. Stratis
Journal of Analytical Atomic Spectrometry, 2005, 20, 63-65.
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