

C. E. EFSTATHIOU

SCIENTIFIC PUBLICATIONS

1. C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Automatic Reaction Rate Method for the Determination of Vicinal Glycols with a Perchlorate Ion-Selective-Electrode" *Analytical Chemistry*, **47**, 864-869 (1975).
2. T. P. HADJIOANNOU, M. A. KOUPPARIS and C. E. EFSTATHIOU: "Evaluation of a Perchlorate-Selective Electrode for Catalytic Titrations Involving Periodate Indicator Reactions", *Analytica Chimica Acta*, **88**, 281-287 (1977).
3. C. E. EFSTATHIOU, T. P. HADJIOANNOU and E. McNELIS: "Kinetics of the Periodate Reaction with Some Vicinal Glycols Studied with a Perchlorate Ion Selective Electrode as a Periodate Ion Sensor", *Analytical Chemistry*, **49**, 410-413 (1977).
4. C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Kinetic Study of the Periodate - α -Amino Alcohol Reactions with a Perchlorate Ion Selective Electrode: Catalytic Effect and Determination of Manganese", *Analytical Chemistry*, **49**, 414-418 (1977).
5. C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Kinetic Identification of Certain Carbohydrates with a Periodate-Sensitive Perchlorate Selective Electrode", *Analytica Chimica Acta*, **89**, 55-63 (1977).
6. C. E. EFSTATHIOU and T. P. HADJIOANNOU: "The Use of a Periodate-Sensitive Perchlorate-Selective Electrode in the Kinetic Ultramicrodetermination of Chromium(III) Based on Its Accelerating Effect on the Periodate - Arsenite Reaction", *Analytica Chimica Acta*, **89**, 391-395 (1977).
7. C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Use of a Periodate-Sensitive Perchlorate Ion-Selective Electrode in the Kinetic Ultramicrodetermination of Manganese(II) by Means of Its Catalytic Effect on the Periodate - Acetylacetone Reaction", *Talanta*, **24**, 270-272 (1977).
8. P. A. SISKOS and C. E. EFSTATHIOU: "Microprocessors: A New Era on Analytical Instrumentation", *Chimika Chronika (Gen. Edition)*, **43(9)**, 32-36 (1978).
9. C. E. EFSTATHIOU, E. CORDOS and H. V. MALMSTADT: "Multisample Rotating-Disk Module for Spectrometric Analytical Methods" *Analytical Chemistry*, **51**, 58-62 (1979).
10. C. E. EFSTATHIOU and H. V. MALMSTADT: "Microcomputer-Controlled Multisample Rotating-Disk Colorimeter", *American Laboratory*, **11**, 19-28 (1979).
11. M. A. KOUPPARIS, C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Kinetic Determination of Formaldehyde and Hexamethylenetetramine with a Cyanide-Selective Electrode", *Analytica Chimica Acta*, **107**, 91-100 (1979).
12. D. S. PAPASTATHOPOULOS, M. A. KOUPPARIS, C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Ion-Selective Electrodes", *Chimika Chronika (Gen. Edition)*, **44(5)**, 2-15 (1979).
13. M. A. KOUPPARIS, C. E. EFSTATHIOU, D. S. PAPASTATHOPOULOS and T. P. HADJIOANNOU: "Analytical Applications of Ion-Selective Electrodes", *Chimika Chronika (Gen. Edition)*, **44(10)**, 45-55 (1979).
14. C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Potentiometric Titration of Fluoride, Sulfate, Chromate, Molybdate, Tungstate, Oxalate, Phosphate, Pyrophosphate and Hexacyanoferrate(II) Ions with Lead(II) Solutions and a Fluoride-Selective Electrode", *Analytica Chimica Acta*, **109**, 319-326 (1979).
15. D. P. NIKOLELIS, C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Assay of Nicotinamide in Multivitamin Preparations Using an Ammonia Gas-Sensing Electrode", *Analyst*, **104**, 1181-1184 (1979).
16. E. P. DIAMANDIS, C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Automatic Determination of Ethylene Glycol in Anti-freeze Solutions with a Periodate-Sensitive Flow-through Electrode", *Analyst*, **105**, 1203-1207 (1980).
17. C. E. EFSTATHIOU, D. S. PAPASTATHOPOULOS and T. P. HADJIOANNOU: "Digital 'Sample - Wash Timer' for the Technicon Sampler II", *Chemical, Biomedical, and Environmental Instrumentation*, **11(1)**, 49-56 (1981).
18. C. E. EFSTATHIOU, E. P. DIAMANDIS and T. P. HADJIOANNOU: "Potentiometric Determination of Nicotine in Tobacco Products with a Nicotine-Sensitive Liquid Membrane Electrode", *Analytica Chimica Acta*, **127**, 173-180 (1981).

19. C. E. EFSTATHIOU and T. P. HADJIIOANNOU: "Monte Carlo Simulation for the Study of Error Propagation in the Double Known Addition Method with Ion-Selective Electrodes", *Analytical Chemistry*, **54**, 1525-1528 (1982).
20. E. P. DIAMANDIS, C. E. EFSTATHIOU and T. P. HADJIIOANNOU: "Stability of the Composite Solution [Mercury(II)-TPTZ-Iron(II)] Used for the Automated Determination of Serum Chloride", (Letter to the Editor) *Clinical Chemistry*, **28**, 254 (1982).
21. D. P. NIKOLELIS, C. E. EFSTATHIOU and T. P. HADJIIOANNOU: "Potentiometric Determination of Certain α -Aminohydroxy Compounds by Using an Ammonia Gas-Sensing Electrode", *Talanta*, **29**, 911-915 (1982).
22. C. E. EFSTATHIOU, D. P. NIKOLELIS and T. P. HADJIIOANNOU: "Rate Study of the Alkaline Hydrolysis of Nicotinamide Using an Ammonia Gas-Sensing Electrode", *Analytical Letters*, **15(A14)**, 1179-1191 (1982).
23. C. E. EFSTATHIOU and T. P. HADJIIOANNOU: "Kinetic Detection of the End-Point in Titrations Involving Slow Reactions: Direct Titration of Polyhydroxy-Compounds with Periodate", *Talanta*, **30**, 145-149 (1983).
24. C. E. EFSTATHIOU, M. A. KOUPPARIS and T. P. HADJIIOANNOU: "A Low Cost Variable-Time Ratemeter for Reaction Rate Methods", *Chemical, Biomedical, and Environmental Instrumentation*, **12(4)**, 215-228 (1983).
25. E. P. DIAMANDIS, C. E. EFSTATHIOU, D. S. PAPASTATHOPOULOS and T. P. HADJIIOANNOU: "Continuous-Flow Determination of Reducing Sugars in Serum by Reaction with Periodate Ions, with Use of a Flow-Through Periodate-Sensitive Electrode", *Microchemical Journal*, **28**, 227-234 (1983).
26. C. E. EFSTATHIOU, A. B. MITSANA-PAPAZOGLU and T. P. HADJIIOANNOU: "A Sensitive Spot Test for the Detection of Sodium Based on the Fluorescence of Sodium-Zinc-Uranyl Acetate", *Microchemical Journal*, **28**, 341-343 (1983).
27. J. G. PENTARI and C. E. EFSTATHIOU: "Construction, Characteristics and Applications of a Dichloroacetate-Selective Electrode in the Determination of Chloramphenicol in Pharmaceuticals", *Analytica Chimica Acta*, **153**, 161-168 (1983).
28. C. E. EFSTATHIOU: "Automated Determination of Detection Limits and Selectivity Coefficients of Ion-Selective Electrodes by Using of a Microcomputer-Controlled Potentiometric System", *Analytica Chimica Acta*, **154**, 41-49 (1983).
29. V. H. HARTOFYLAX and C. E. EFSTATHIOU: "Kinetic Determination of Glycerol in Soaps and of Alkaline Phosphatase Activity in Serum with a Periodate-Selective Electrode", *Analytica Chimica Acta*, **167**, 375-380 (1985).
30. P. C. GRITZAPIS, C. E. EFSTATHIOU and T. P. HADJIIOANNOU: "Construction, Assessment and Applications of a Dichromate-Selective Liquid Membrane Electrode Based on Tetrapentylammonium Dichromate", *Analytica Chimica Acta*, **171**, 165-174 (1985).
31. C. E. EFSTATHIOU, M. A. KOUPPARIS and T. P. HADJIIOANNOU: "Applications of Ion-Selective Electrodes in Reaction Kinetics and Kinetic Analysis", *Ion-Selective Electrode Reviews*, **7**, 203-259 (1985).
32. C. E. EFSTATHIOU, J. G. PENTARI and T. P. HADJIIOANNOU: "Method for Evaluation of Thermal Hysteresis Characteristics of Membrane Electrode - Reference Electrode Pairs", *Analytical Chemistry*, **58**, 233-236 (1986).
33. V. H. HARTOFYLAX, C. E. EFSTATHIOU and T. P. HADJIIOANNOU: "Kinetic Study of the Tartaric Acid-Periodate Reaction: Determination of Tartaric Acid Using an Improved Periodate-Selective Electrode", *Microchemical Journal*, **33**, 9-17 (1986).
34. V. H. HARTOFYLAX, C. E. EFSTATHIOU and T. P. HADJIIOANNOU: "Kinetic Determination of Iron(II) and of Some α -Hydroxyacids Based on the Accelerating Action of Iron(II) on the α -Hydroxyacids - Periodate Reaction", *Microchemical Journal*, **33**, 17-24 (1986).
35. J. G. PENTARI and C. E. EFSTATHIOU: "Construction and Evaluation of a Microcomputer Controlled Pulsed Amperometric Detector System", *Analytical Instrumentation*, **15(4)**, 329-345 (1986).
36. S. V. PSAROUDAKIS and C. E. EFSTATHIOU: "Metal Interferences in Potentiometric Stripping Analysis", *Analyst*, **112**, 1587-1591 (1987).

37. N. E. ZOULIS and C. E. EFSTATHIOU: "Voltammetric Determination of N-Alkylated Anilines by Adsorption / Extraction at a Carbon Paste Electrode", *Analytica Chimica Acta*, **204**, 201-211 (1988).
38. S. V. PSAROUDAKIS and C. E. EFSTATHIOU: "Applicability of Gallium as Copper Scavenger in the Determination of Zinc in High Copper Content Samples by Potentiometric Stripping Analysis", *Analyst*, **114**, 25-28 (1989).
39. H. L. ARCHODAKI, M. A. KOUPPARIS and C. E. EFSTATHIOU: "Semi-automated Determination of Phenolic Compounds Using a Fluoride-Selective Electrode and based on Their Micellar-Catalysed Reaction with 1-Fluoro-2,4-Dinitrobenzene", *Analyst*, **114**, 591-596 (1989).
40. V. H. HARTOFYLAX, C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Kinetic Study of the Acid Hydrolysis of Sucrose and Lactose and Kinetic Determination of Sucrose Using a Periodate Selective Electrode", *Analytica Chimica Acta*, **224**, 159-168 (1989).
41. S. V. PSAROUDAKIS, C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Determination of Trace Amounts of Indium in Sphalerites by Potentiometric Stripping Analysis", *Analytical Letters*, **22(7)**, 1753-1763 (1989).
42. N. E. ZOULIS, D. P. NIKOLELIS and C. E. EFSTATHIOU: "Pre-concentration of Indolic Compounds at a Carbon-Paste Electrode and Indirect Determination of L-Tryptophan in Serum by Adsorptive Stripping Analysis", *Analyst*, **115**, 291-295 (1990).
43. D. G. KONSTANTIANOS, P. C. IOANNOU and C. E. EFSTATHIOU: "Simultaneous Determination of Acetylsalicylic and Salicylic Acids in Human Serum and Aspirin Formulations by Second-Derivative Synchronous Fluorescence Spectrometry", *Analyst*, **116**, 373-378 (1991).
44. J. G. PENTARI, C. E. EFSTATHIOU and T. P. HADJIOANNOU: "Kinetic Determination of EDTA and Citrate by the Displacement of Fluoride from $Al^{3+} - F^{-}$ Complexes and Use of a Fluoride Ion-Selective Electrode", *Talanta*, **38**, 295-301 (1991).
45. J. G. PENTARI, C. E. EFSTATHIOU and M. A. KOUPPARIS: "Kinetic Determination of Carbocysteine in Syrup Based on Its Reaction with 1-Fluoro-2,4-Dinitrobenzene Monitored With a Fluoride-Selective Electrode", *International Journal of Pharmaceutics*, **77**, 41-46, (1991).
46. E. G. COOKEAS and C. E. EFSTATHIOU: "Pre-concentration of Organic Compounds at a Diphenylether - Graphite Paste Electrode and Determination of Vanillin by Adsorptive / Extractive Stripping Voltammetry", *Analyst*, **117**, 1329-1334, (1992).
47. C. K. POLYDOROU and C. E. EFSTATHIOU: "A Microcomputer Controlled System for Potentiometric Stripping Analysis", *Analytical Instrumentation*, **20(4)**, 265-283 (1992).
48. C. E. EFSTATHIOU: "Stochastic Calculation of Critical Q-Test Values for the Detection of Outliers in Measurements", *Journal of Chemical Education*, **69**, 733-736 (1992).
49. C. E. EFSTATHIOU: "A Test for the Simultaneous Detection of Two Outliers Among Extreme Values of Small Data Sets", *Analytical Letters*, **26(2)**, 379-390 (1993).
50. A. M. GERAKIS, M. A. KOUPPARIS and C. E. EFSTATHIOU: "Micellar Acid-Base Potentiometric Titrations of Weak Acidic and/or Insoluble Drugs", *Pharmaceutical and Biomedical Analysis*, **11**, 33-41 (1993).
51. N. T. DEFTEREOS, A. C. CALOKERINOS and C. E. EFSTATHIOU: "Flow Injection Chemiluminometric Determination of Epinephrine, Norepinephrine, Dopamine and L-Dopa", *Analyst*, **118**, 627-632 (1993).
52. S. A. HALVATZIS, M. M. TIMOTHEOU-POTAMIA and C. E. EFSTATHIOU: "Kinetic Study of N-Bromosuccinimide Reactions and Kinetic Determination of Pyridoxine Using a Bromide-Selective Electrode", *Talanta*, **40**, 1213-1220 (1993).
53. E. G. COOKEAS, C. E. EFSTATHIOU: "Flow Injection Amperometric Determination of Thiocyanate and Selenocyanate at a Cobalt Phthalocyanine Modified Carbon Paste Electrode", *Analyst*, **119**, 1607-1612 (1994).
54. N. S. THOMAIDIS, E. A. PIPERAKI, C. E. EFSTATHIOU: "Comparison of Chemical Modifiers for the Determination of Gold in Biological Fluids by Electrothermal Atomic Absorption Spectrometry", *Journal of Analytical Atomic Spectrometry*, **10**, 221-226 (1995).

55. L. N. ZACHILAS, P. C. IOANNOU, C. POLYDOROU, C. E. EFSTATHIOU: "Flow-Injection Spectrofluorimetric Method for the Determination of Magnesium in Blood Serum", *Analyst*, **120**, 2115-2118 (1995).
56. E. DIAKOU, P. C. IOANNOU, C. POLYDOROU, C. E. EFSTATHIOU: "Quenchofluorimetric Determination of Inorganic Phosphate in Blood Serum", *Analyst*, **120**, 2613-2616 (1995).
57. C. E. EFSTATHIOU: "Polarography - Organic Applications", *Encyclopedia of Analytical Science*, 4027-4035 (Academic Press Ltd., 1995).
58. C. E. EFSTATHIOU, T. P. HADJIOANNOU: "Analytical and Other Applications of Periodate - Ion Selective Electrodes", *Reviews in Analytical Chemistry*, **XIV(4)**, 253-277 (1995).
59. N. S. THOMAIDIS, E. A. PIPERAKI, C. K. POLYDOROU, C. E. EFSTATHIOU: "Determination of Chromium by Electrothermal Atomic Absorption Spectrometry with Various Chemical Modifiers", *Journal of Analytical Atomic Spectrometry*, **11**, 31-36 (1996).
60. E. S. LIANIDOU, P. C. IOANNOU, C. K. POLYDOROU, C. E. EFSTATHIOU: "Synchronous Scanning Second Derivative Spectrofluorimetry for the Simultaneous Determination of Diflunisal and Salicylic Acid in Serum and Urine as Ternary Complexes with Terbium and EDTA", *Analytica Chimica Acta*, **320**, 107-114 (1996).
61. N. E. ZOULIS, C. E. EFSTATHIOU: "Preconcentration at a Carbon-Paste Electrode and Determination by Adsorptive - Stripping Voltammetry of Rutin and Other Flavonoids", *Analytica Chimica Acta*, **320**, 255-261 (1996).
62. C. J. VEIOPOULOU, E. S. LIANIDOU, P. C. IOANNOU, C. E. EFSTATHIOU: "Comparative Study of Fluorescent Ternary Terbium Complexes. Application in Enzyme Amplified Fluorimetric Immunoassay for α -Fetoprotein", *Analytica Chimica Acta*, **335**, 177-184 (1996).
63. C. E. EFSTATHIOU: "Voltammetric and Amperometric Transducers: Theory and Instrumentation", *Current Topics in Biophysics*, **5**, 47-74 (1996).
64. P. SOLICH, D. SOLICHOVA, C. K. POLYDOROU, C. E. EFSTATHIOU, M. A. KOUPPARIS: "Automated Flow-Injection Fluorimetric Determination of Different Penicillins in Pharmaceutical Dosage Forms", *Biomedical Chromatography*, **11(2)**, 65-66 (1997).
65. N. S. THOMAIDIS, E. A. PIPERAKI, C. E. EFSTATHIOU: "Chemical Modifiers for the Determination of Chromium in Marbles by Electrothermal Atomic Absorption Spectrometry", *Quimica Analitica*, **16[1]**, S61-S67 (1997).
66. A. ECONOMOU, G. VOLIKAKIS, C. E. EFSTATHIOU: "Virtual Instrumentation for Electroanalytical Measurements", *Journal of Automated Methods & Management in Chemistry*, **21(2)**, 33-38 (1999).
67. P. SOLICH, C. K. POLYDOROU, M. A. KOUPPARIS, C. E. EFSTATHIOU: "Computer-Aided Fluorimetric Flow Injection Analysis for Dissolution Testing of Pharmaceuticals", *Biomedical Chromatography*, **13**, 113-114 (1999).
68. J. DOLEJSOVA, P. SOLICH, C. K. POLYDOROU, M. A. KOUPPARIS, C. E. EFSTATHIOU: "Flow Injection Fluorimetric Determination of 1,4-Benzodiazepins in Pharmaceutical Formulations after Acid Hydrolysis", *Journal of Pharmaceutical and Biomedical Analysis*, **20**, 357-362 (1999).
69. G. J. VOLIKAKIS, C. E. EFSTATHIOU: "Determination of Rutin and Other Flavonoids by Flow-Injection/Adsorptive Stripping Voltammetry Using Nujol-Graphite and Diphenylether-Graphite Paste Electrodes", *Talanta*, **51**, 775-785 (2000).
70. P. SOLICH, C. K. POLYDOROU, M. A. KOUPPARIS, C. E. EFSTATHIOU: "Automated Flow-Injection Spectrophotometric Determination of Catecholamines (Epinephrine and Isoproterenol) in Pharmaceutical Formulations Based on Ferrous Complex Formation", *Journal of Pharmaceutical and Biomedical Analysis*, **22**, 781-789 (2000).
71. E. G. COOKEAS, C. E. EFSTATHIOU: "Flow-injection/Pulse Amperometric Detection of Ephedrine at a Cobalt Phthalocyanine Modified Carbon Paste Electrode", *Analyst*, **125**, 1147-1150 (2000).
72. C. E. EFSTATHIOU: "On the Sampling Variance of Ultradilute Solutions", *Talanta*, **52**, 711-715 (2000).
73. A. ECONOMOU, P. R. FIELDEN, C. E. EFSTATHIOU: "Virtual Instrumentation for Stripping Voltammetry on the Rotating Disk Electrode", *Instrumentation Science and Technology*, **28(5)**, 379-386 (2000).

74. P. SOLICH, C. K. POLYDOROU, M. A. KOUPPARIS, C. E. EFSTATHIOU: "Automated Flow Injection Fluorimetric Determination and Dissolution Studies of Bumetanide in Pharmaceuticals", *Analytica Chimica Acta*, **438(1-2)**, 131-136 (2001).
75. M. I. PRODRONIDIS, P. G. VELTSISTAS, C. E. EFSTATHIOU, M. I. KARAYANNIS: "Amperometric Detection of Periodate Using a Graphite Electrode Modified with a Novel α -Keggin-Type Silicotungstic Acid Salt and Determination of Ethylene Glycol in Anti-Freeze Fluids", *Electroanalysis*, **13**, 960-966 (2001).
76. A. ECONOMOU, S. D. BOLIS, C. E. EFSTATHIOU, G. J. VOLIKAKIS: "Virtual Electroanalytical Instrument for Square Wave Voltammetry", *Analytica Chimica Acta*, **467**, 179-188 (2002).
77. E. P. TSAOUSOGLU, S. D. BOLIS, C. E. EFSTATHIOU: "A Monte-Carlo Simulation for the Prediction of Precision of Absorbance Measurements with a Miniature CCD Spectrometer", *Journal of Automated Methods & Management in Chemistry*, **25(2)**, 35-42 (2003).
78. C. E. EFSTATHIOU: "SpecScan: A Utility Program for Generating Numerical Data from Printed Forms of Spectra and Other Signals", *Journal of Chemical Education*, **80**, 1093-1094 (2003).
79. P. G. VELTSISTAS, M. I. PRODRONIDIS, C. E. EFSTATHIOU: "All-Solid-State Potentiometric Sensors for Ascorbic Acid by Using a Screen-Printed Compatible Solid Contact", *Analytica Chimica Acta*, **502**, 15-22 (2004).
80. R. SALTZER, T. MITCHEL, P. MIMERO, M. KARAYANNIS, C. EFSTATHIOU, A. SMITH, M. VALCARCEL: "Analytical Chemistry in The European Education Area", *Analytical and Biological Chemistry*, **381**, 33-40 (2005).
81. E. M. AVDIKOS, M. I. PRODRONIDIS, C. E. EFSTATHIOU: "Construction and Analytical Applications of a Palm-sized Microcontroller-Based Amperometric Analyzer", *Sensors and Actuators B: Chemical*, **107**, 372-378 (2005).
82. G. J. VOLIKAKIS, C. E. EFSTATHIOU: "Fast Screening of Total Flavonols in Wines, Tea-infusions and Tomato Juice by Flow Injection/Adsorptive Stripping Voltammetry", *Analytica Chimica Acta*, **551**, 124-131 (2005).
83. S. D. BOLIS, P. C. CHARALAMBOUS, C. E. EFSTATHIOU, A. G. MANTZILA, C. A. MALAMOU, M. I. PRODRONIDIS: "Monitoring of the Avidin-Biotinylated Dextran Interaction on Au and Ti/TiO₂ Electrode Surfaces Using a Charge Integrating Device", *Sensors and Actuators B: Chemical*, **114**, 45-57 (2006).
84. C. E. EFSTATHIOU: "Estimation of Type I Error Probability from Experimental Dixon's "Q" Parameter on Testing for Outliers within Small Size Data Sets", *Talanta*, **69 (5)**, 1068-1071 (2006).
85. M. F. DOUSIKOU, M. A. KOUPPARIS, C. E. EFSTATHIOU: "Determination of Catalase-Like Activity in Plants Based on the Amperometric Monitoring of Hydrogen Peroxide Consumption Using Carbon Paste Electrode Modified with Ruthenium(IV) Oxide", *Phytochemical Analysis*, **17**, 255-261 (2006).
86. C. KOKKINOS, A. ECONOMOU, I. RAPTIS, C. E. EFSTATHIOU, T. SPELIOTIS: "Novel Disposable Bismuth-Sputtered Electrodes for the Determination of Trace Metals by Stripping Voltammetry", *Electrochemistry Communications*, **9**, 2795-2800 (2007).
87. C. KOKKINOS, A. ECONOMOU, I. RAPTIS, C. E. EFSTATHIOU: "Lithographically-Fabricated Disposable Bismuth-Film Electrodes for the Trace Determination of Pb(II) and Cd(II) by Anodic Stripping Voltammetry", *Electrochimica Acta*, **53**, 5294-5299 (2008).
88. D. V. STERGIOU, M. I. PRODRONIDIS, C. E. EFSTATHIOU: "On The Possibility of a pH-metric Determination of Ozone", *Electrochemistry Communications*, **10**, 252-265 (2010).
89. S. HELALI, A. ABDELGHANI, N. JAFFREZIC-RENAULT, P. N. TRIKALITIS, C. E. EFSTATHIOU, M. I. PRODRONIDIS: "On-site Monitoring of Fish Spoilage Using Vanadium Pentoxide Xerogel Modified Interdigitated Gold Electrodes", *Electrochimica Acta*, **55**, 4256-4260 (2010).
90. E. G. FARMAKI, N. S. THOMAIDIS, C. E. EFSTATHIOU: "Artificial Neural Networks in Water Analysis: Theory and Applications", *International Journal of Environmental Analytical Chemistry*, **90(2)**, 85-105 (2010).

91. M. I. KARAYANNIS, C. E. EFSTATHIOU: "Self-assessment and Controlled Examination in Analytical Chemistry by EChemTest", *Analytical and Bioanalytical Chemistry*, **400(10)**, 3181-3185 (2011)
92. N. LEZI, A. ECONOMOU, C. E. EFSTATHIOU, M. PRODRONIDIS: "A Study of Bi₂O₃-Modified Screen-Printed Sensors for Determination of Cd(II) and Pb(II) by Anodic Stripping Voltammetry", *Sensing in Electroanalysis*, **6**, 219-229 (2011).
93. A. SYMEONIDOU, A. ECONOMOU, C. E. EFSTATHIOU, M. DOUSIKOU: "Rapid Assay of Bisphenol A Released from Baby Feeding Bottles by Adsorptive Stripping Voltammetry on a Diphenylether Carbon Paste Electrode", *Analytical Letters*, **45**, 436-448 (2012).
94. E. G. FARMAKI, N. S. THOMAIDIS, K. S. MINIOTI, E. IOANNOU, C. A. GEORGIOU, C. E. EFSTATHIOU: "Geographical characterization of greek olive oils using rare earth elements content and supervised chemometric techniques", *Analytical Letters*, **45**, 920-932 (2012).
95. E. G. FARMAKI, S. A. SAMIOS, N. S. THOMAIDIS, S. GOLFINOPOULOS, C. E. EFSTATHIOU, D. LEKKAS: "Artificial Neural Networks predictive models. A case study: carbon and bromine concentrations predictions based on chlorination time", *Global Nest Journal*, **14(1)**, 10-17 (2012).
96. E. G. FARMAKI, N. S. THOMAIDIS, V. SIMEONOV, C. E. EFSTATHIOU: "A Comparative Chemometric Study for Water Quality Expertise of the Athenian Water Reservoirs", *Environmental Monitoring and Assessment*, **184**, 7635-7652 (2012).
97. C. KYRISOGLIOU, A. ECONOMOU, C. E. EFSTATHIOU: "Bismuth-Coated Iridium Micro-Wire Electrode for the Determination of Trace Metals by Anodic Stripping Voltammetry", *Electroanalysis*, **24(9)**, 1825-1832 (2012)
98. M. I. KARAYANNIS, C. E. EFSTATHIOU: "Significant Steps in the Evolution of Analytical Chemistry - Is the today's Analytical Chemistry only Chemistry?", *Talanta*, **102**, 7-15 (2012).
99. E. G. FARMAKI, N. S. THOMAIDIS, V. SIMEONOV, C. E. EFSTATHIOU: "Comparative Use of Artificial Neural Networks for the Quality Assessment of the Water Reservoirs of Athens", *Journal of Water Supply: Research and Technology-AQUA*, **62.5**, 296-308 (2013).
100. E. FARMAKI, I. PASIAS, C. BAULARD, L. PAPAHRISIS, C. E. EFSTATHIOU: "Environmental impact of intensive aquaculture: Investigation on the accumulation of metals and nutrients in marine sediments of Greece" *Science of the Total Environment*, **485-485**, 554-562 (2014).
101. G. D. KOUTILELLIS, A. ECONOMOU, C. E. EFSTATHIOU: "A potentiostat featuring an integrator transimpedance amplifier for the measurement of very low currents – Proof-of-principle application in microfluidic separations and voltammetry", *Rev. Sci. Instrum.* **87**, 034101 (2016).