



# Curriculum Vitae

Name : Mamas (Mamantos)  
Surname : Prodromidis  
Father's name : Ioannis  
Mother's name: Elissavet  
Birthday : September 23, 1969  
Sex : Male  
Nationality : Greek  
Status : Married (2 children)

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## *Education/Current position/Research Interest:*

**1988-1993** : Degree in Chemistry (Grade 7,22/10), University of Ioannina (UOI), Greece  
**1993-1997** : Ph.D. in Analytical Chemistry (UOI , Greece).  
*1997-98 : Military service*  
**1999-2000** : A post-doctoral position in UOI, Greece.  
**2000-2002** : A tutorial Lecturer position in the Department of Biological Applications and Technologies of UOI.  
**2003-2008** : Lecturer in the Department of Chemistry of UOI  
**2008- 2013** : Assistant professor in the Department of Chemistry of UOI  
**2013-** : Associate professor in the Department of Chemistry of UOI

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## **Research Interest:**

- Chemical and Biochemical Voltammetric Sensors
- Screen-printed Electrodes
- Screen-printed Paper-based Analytical Platforms
- Capacitive and Impedimetric Immunosensors
- Nano Materials and Nanocatalysts in Chemical and Biosensing
- Sparked electrodes and Electroanalysis
- Bipolar electrochemistry

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## *Scholarships:*

- European Union Concerted Action, 1995
- European Science Foundation, “Artificial Biosensing Interfaces”, 1995
- Deutscher Akademischer Austausch Dienst, 2003

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## *Short Period Visits:*

- November 1994. **University of Cranfield**, Department of Biotechnology, Bedford, UK, Prof. A.P.F Turner. Training in Screen Printing techniques for the construction of micro-electrodes.
- March 1995. **University of Rome "Tor Vergata"**, Department of Science and Chemical Technology, ITALY, Prof G. Palleschi. Training in casting of polymeric membrane.
- March - April 1995. **University of Manchester**, Department of Medicine, Hope Hospital, Salford, UK, Prof Pankaj Vadgama. Training in Amperometric Biosensors assembling and enzyme Immobilization.
- January - May 1999. **University "Rovira I Virgili"**, Department of Chemical Engineering, Tarragona, Spain. Director: Dr. I. Katakis. Work on electrochemical Immunosensors.
- June – August 2002. **University of Regensburg**, Institute of Analytical Chemistry, Germany. Director: Prof. O. Wolfbeis. Work on Impedimetric sensors.
- April – August 2011. **University of Miami**, Department Chemistry, Florida, USA. Director: Prof. L. Bachas. Work on the electrocatalysis of nanostructured materials.

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#### ***Tutorial Duties:***

- Laboratory of Qualitative Analysis (Undergraduate programme)
- Laboratory of Quantitative Analysis (Undergraduate programme)
- Instrumental Analysis (Undergraduate programme)
- Chemical Sensor and Biosensors (Postgraduate programme)
- QCM and SPR-based Biosensors (Postgraduate programme)

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#### ***Conferences – Invited presentations:***

- Participation in more than 28 National, European, and International conferences on the subject of Analytical Chemistry – Electroanalysis. Twenty oral presentations, thirteen of them after invitation.
  - 1) “2<sup>nd</sup> European Conference on Pesticides and Related Organic Pollutants in the Environment”, 26/09/2002, Corfu, Greece
  - 2) Research project “INORGPORE”, 12/04/2003, Delphos, Greece
  - 3) «2<sup>nd</sup> International Seminar on Analytical Sciences, 6-8/09/07, Hyderabad, Sindh, Pakistan. Plenary lecture and Chairman
  - 4) “1<sup>st</sup> International Symposium of Electrochemistry” 9-12/07/2008, Cape Town, South Africa, Key-note Lecturer and Chairman.
  - 5) Post graduate Seminars, University “Rovira I Virgili”, Tarragona, Spain. (2008), 2 hours
  - 6) “59<sup>th</sup> Meeting of ISE. 7-12/09/2008, Seville, Spain; Key-note lecture and Chairman
  - 7) Seminars in the Department of Chemistry, University of Crete (2009).
  - 8) “7<sup>th</sup> Aegean Analytical Chemistry Days, 23/09-03/10-2010, Lesbos, Greece, Key-note lecture and Chairman
  - 9) Post graduate Seminars, University of Gdansk, Poland. 14-18/02/2011; 15 hours

- 10) LeanGreenFood Course in the Agricultural University of Athens, Greece; 23-25/11/2011; 8 hours.
- 11) MinaSens, Research Institute Demokritos, Greece; 06/03/2013.
- 12) Sea-On-A-Chip, 1<sup>st</sup> Progress Workshop, Sivota Greece, 27-29 April 2015
- 13) 3<sup>rd</sup> Hellenic Forum for Science Technology and Innovation, Research Institute Demokritos, Greece; 29/06-03/07/2015.

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***Scientific distinctions:***

- Research Profile at the section “News” in *Analytical Chemistry* (1, 8756, 2010), Title: “*ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY SAYS “CHEESE!”*”
- FEATURED ARTICLE-front page in *Analytica Chimica Acta* (728, 1, 2012). Paper No.25
- First Prize award in the contest “Innovation Odysseys 2012”, organized by the University of Ioannina and the Technological Park of Epirus, for the business plan entitled “Electrochemical & Analytical Services”

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***Textbooks:***

- Author of the textbook entitled “Electrochemical Sensors and Biosensors”, Kostarakis Press, Athens 2012 (239 pages) in Greek
- Member of the translating team of the textbook «Fundamentals of Analytical Chemistry», Skoog, West, Holler, Crouch, 8<sup>th</sup> ed. Thomson Books/Cole, 2004.

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***External Evaluator:***

- «Desenvolupament de biosensors amb enzims oxidoreductases basats en transductors amperometrics modificats químicament», Beatriz Prieto Simon, Autonomous University of Barcelona, Barcelona, Spain. (2005)
- «Nanostructured polypyrrole impedimetric sensors for anthropogenic organic pollutants», Richard O Akinyeye, University of Western Cape, Cape Town, South Africa (2007).
- «Design of biosensors exploiting proteins and DNA-aptamers as biorecognition elements». University “Rovira I Virgili”, Frank Jeyson Hernandez, Tarragona, Spain. (2008).
- «Electrochemical impedance modeling of the reactivities of dendrimeric poly(propyleneimine) DNA nanobiosensors», Omotauo Arotiba, University of Western Cape, Cape Town, South Africa (2009).
- «Self-assembled mycolic acid antigens on gold electrode as an impedimetric immunosensing platform for active tuberculosis», N.S. Mathebula, University of Pretoria, Pretoria, South Africa (2009).

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***Research Projects:***

- 1) «Design and Development of Biochemical Capacitors»  
 Sponsored by G.S.R.T / project PENED 1999  
 Date: 1999-2002; Role:(Post doctoral researcher); Budget: 20.000 Euros

- 2) «Development of a Capacitance based Immunodetection Analyzer for the Determination of GMOs in foods»,  
Sponsored by European Union / QLK3-2001  
Date: 2003-2005; Role: Coordinator; Budget: 1.612.000 Euros
- 3) «Development of Impedimetric Diagnostic tests for the determination of *Salmonella* in foods»,  
Sponsored by Ministry of Development / project PAVET NE  
Date: 2006-2007; Role: Coordinator; Budget: 54.000 Euros
- 4) «Development of Impedimetric Diagnostic tests for the determination of *Salmonella* in foods»,  
Sponsored by Ministry of Education / project PYTHAGORAS II  
Date: 2005-2007; Role: Coordinator; Budget: 50.000 Euros
- 5) “Organic Solar Cells”  
Sponsored by G.S.R.T / project PENED 2005  
Date: 2005-2008; Role: Group Leader; Budget: 200.000 Euros
- 6) «Titanium and Niobium Microelectrode Based-Biosensors»  
Sponsored by NATO, collaborative linkage grant  
Date: 2007-2008; Role: Group leader; Budget: 20.000 Euros
- 7) “Development of an Impedimetric Immunosensors for the Determination of Rennet Activity”  
Sponsored by Research Committee, University of Ioannina  
Date: 2008-2010; Role: Coordinator; Budget: 6.000 Euros
- 8) «Development of Screen-printed electrodes for the determination of heavy metals»,  
Sponsored by Ministry of Education / project HRAKLEITOS II  
Date: 2010-2013; Role: Coordinator; Budget: 35.000 Euros
- 9) « Development of Ultra-Sensitive Electrochemical DNA Biosensors Exploiting Micro- and Nano- Technologies»,  
Sponsored by G.S.R.T / project “Post Doctoral researchers”  
Date: 2012-2015; Role: Coordinator; Budget: 150.000 Euros

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***Research outputs in Figures:***

<b>Number of publications</b>	: > 82
<b>(Mean) Impact Factor</b>	: 4.1
<b>Citations</b>	: >1500
<b>H-index</b>	: 22
<b>Review articles</b>	: 3
<b>Patents</b>	: 1
<b>Ph.D thesis</b>	: 4
<b>Master thesis</b>	: 9 + 7 in progress

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**Publications:**

- 1) "GRAVIMETRIC AND SPECTROPHOTOMETRIC METHODS FOR THE DETERMINATION OF PIPERAZINE. PICROLONIC VS. PICRIC ACID", **M.I.Prodromidis**, P.G.Veltsistas and M.I.Karayannis, *ACH-MODELS IN CHEMISTRY*, **131**, 621-626 (1994)
- 2) "SPECTROPHOTOMETRIC KINETIC DETERMINATION OF COPPER(II) TRACE AMOUNTS BASED ON ITS CATALYTIC EFFECT ON THE REACTION OF THE REDUCED 2,6-DICHLOROPHENOLINDOPHENOL AND HYDROGEN PEROXIDE", **M.I.Prodromidis**, C.D.Stalikas, P.Th.Veltsistas and M.I.Karayannis, *TALANTA*, **41**, 1645-1649 (1994)
- 3) "APPLICATION OF A PICROLONATE ION-SELECTIVE ELECTRODE TO THE ASSAY OF CALCIUM AND PIPERAZINE IN PHARMACEUTICALS AND SERUM", P.G.Veltsistas, **M.I.Prodromidis**, and M.I.Karayannis, *THE ANALYST*, **119**, 1613-1617 (1994)
- 4) "UPGRADE OF A SEMI-AUTOMATIC FLOW INJECTION ANALYSIS MANIFOLD TO A FULLY AUTOMATIC ONE BY MEANS OF A RESIDENT PROGRAM", **M.I.Prodromidis**, A.B.Tsibiris and M.I.Karayannis, *JOURNAL OF AUTOMATIC CHEMISTRY*, **17**, 187-190 (1995)
- 5) "DETERMINATION OF GLYCEROL IN ALCOHOLIC BEVERAGES USING PACKED BED REACTORS WITH IMMOBILIZED GLYCEROL DEHYDROGENASE AND AN AMPEROMETRIC FIA SYSTEM" **M.I.Prodromidis**, C.D.Stalikas, S.M.Tzouwara-Karayanni and M.I.Karayannis, *TALANTA*, **43**, 27-33 (1996)
- 6) "AMPEROMETRIC DETERMINATION OF L-MALIC ACID IN A FLOW INJECTION ANALYSIS MANIFOLD USING PACKED BED ENZYME REACTORS" **M.I.Prodromidis**, S.M.Tzouwara-Karayanni, M.I.Karayannis, P.Vadgama and A.Maines, *THE ANALYST*, **121**, 435-439 (1996)
- 7) "BIOELECTROCHEMICAL DETERMINATION OF CITRIC ACID IN REAL SAMPLES USING A FULLY AUTOMATED FLOW INJECTION MANIFOLD" **M.I.Prodromidis**, S.M.Tzouwara-Karayanni, M.I.Karayannis and P.Vadgama, *THE ANALYST* **122**, 1101-1106 (1997).
- 8) "ELECTROCHEMICAL DETECTION OF NADH IN FLOW ANALYSIS BASED ON DCPI MODIFIED GRAPHITE ELECTRODES" A.B.Florou, **M.I.Prodromidis**, S.M.Tzouwara-Karayanni and M.I.Karayannis, *ELECTROANALYSIS*, **10**, 1261-1268 (1998).
- 9) "AN ENZYMIC METHOD FOR THE DETERMINATION OF BILIRUBIN USING AN OXYGEN ELECTRODE" J. Klemm, **M.I.Prodromidis** and M.I.Karayannis, *ELECTROANALYSIS*, **12**, 292-295 (2000)
- 10) "CONSTRUCTION OF A TRIPHENYLTETRAZOLIUM LIQUID MEMBRANE ION SELECTIVE ELECTRODE AND ITS ANALYTICAL APPLICATION TO THE ASSAY OF VITAMIN C". P.G.Veltsistas, Th.I.Sikalos, **M.I. Prodromidis**, C.D. Papadimitriou and M.I.Karayannis, *MIKROCHIMICA ACTA*, **135**, 113-117 (2000)
- 11) "SPECTROPHOTOMETRIC DETERMINATION OF TRACE AMOUNTS OF VANADIUM BASED ON ITS CATALYTIC EFFECT ON THE REACTION OF DIPHENYLAMINE AND HYDROGEN PEROXIDE". Th.I.Sikalos, I. Arabatzis, **M.I. Prodromidis** P.G.Veltsistas, and M.I.Karayannis, *MIKROCHIMICA ACTA*, **135**, 197-201 (2000)
- 12) "AN ENZYME ELECTRODE FOR EXTENDED LINEARITY CITRATE MEASUREMENTS BASED ON MODIFIED POLYMERIC MEMBRANES" A. Maines, **M.Prodromidis**, S.Tzouwara-Karayanni, M. Karayannis D. Ashworth and P. Vadgama, *ELECTROANALYSIS*, **12**, 1118-1123 (2000)
- 13) "REAGENTLESS ENZYME ELECTRODE FOR MALATE BASED ON MODIFIED POLYMERIC MEMBRANES" A. Maines, **M.Prodromidis**, S.Tzouwara-Karayanni, M.I.Karayanni, D. Ashworth and P. Vadgama, *ANAL. CHIMICA ACTA*, **408**, 217-224 (2000)

- 14) "THE IMPORTANCE OF SURFACE COVERAGE TO THE ELECTROCHEMICAL BEHAVIOR OF CHEMICALLY MODIFIED ELECTRODES". **M.I.Prodromidis**, A.B.Florou, S.M.Tzouwara-Karayanni and M.I.Karayannis, ELECTROANALYSIS, **14**, 1489-1501 (2000).
- 15) "FABRICATION AND VOLTAMMETRIC STUDY OF  $La(DCPI)_3$  CHEMICALLY MODIFIED SCREEN PRINTED ELECTRODES. APPLICATION FOR THE DETERMINATION OF ASCORBIC ACID" A.B.Florou, **M.I.Prodromidis**, S.M.Tzouwara-Karayanni and M.I.Karayannis, ANALYTICAL CHIMICA ACTA, **423**, 107-114 (2000)
- 16) "FLOW ELECTROCHEMICAL DETERMINATION OF ASCORBIC ACID IN REAL SAMPLES USING A GLASSY CARBON ELECTRODE MODIFIED WITH A CELLULOSE ACETATE FILM BEARING DCPI". A.B.Florou, **M.I.Prodromidis**, S.M.Tzouwara-Karayanni and M.I.Karayannis, ANALYTICA CHIMICA ACTA, **409**, 113-121 (2000)
- 17) "ELECTROCATALYSIS OF SULPHIDE WITH A CELLULOSE ACETATE FILM BEARING DCPI. APPLICATION TO SEWAGE USING A FULLY AUTOMATED FLOW INJECTION MANIFOLD". A.B.Florou, **M.I.Prodromidis**, S.M.Tzouwara-Karayanni and M.I.Karayannis, TALANTA, **52**, 465-472 (2000)
- 18) "ELECTROCHEMICAL BEHAVIOR AND ANALYTICAL UTILITY OF A CONTROLLED POROSITY CELLULOSE ACETATE FILM BEARING 2,6-DICHLOROPHENOLINDO PHENOL". A.B.Florou, **M.I.Prodromidis**, S.M.Tzouwara-Karayanni and M.I.Karayannis, ELECTROANALYSIS, **12**, 361-368 (2000)
- 19) "ELECTROCHEMICAL STUDY OF CHEMICALLY MODIFIED AND SCREEN PRINTED GRAPHITE ELECTRODES WITH  $[Sb^V O(CHL)_2]_{HEX}$ . APPLICATION FOR THE SELECTIVE DETERMINATION OF SULFIDE". **M.I.Prodromidis**, P.G.Veltsistas and M.I.Karayannis, ANALYTICAL CHEMISTRY, **72**, 3995-4002 (2000)
- 20) "MEMBRANE SAMPLER FOR INTERFERENCE-FREE FLOW INJECTION NO DETERMINATION IN BIOLOGICAL FLUIDS WITH CHEMILUMINESCENCE DETECTION" D. Yao, **M.I. Prodromidis**, A. Vlessidis, M.I.Karayannis and N.P. Evmiridis, ANALYTICA CHIMICA ACTA, **450**, 63-72 (2001)
- 21) "AMPEROMETRIC DETECTION OF PERIODATE USING A GRAPHITE ELECTRODE MODIFIED WITH A NOVEL  $\alpha$ -KEGGIN-TYPE SILICOTUNGSTIC ACID SALT AND DETERMINATION OF ETHYLENE GLYCOL IN ANTI-FREEZE FLUIDS" **M.I. Prodromidis**, P. G. Veltsistas, C. E. Efstathiou and M. I. Karayannis, ELECTROANALYSIS, **13**, 960-966 (2001)
- 22) "ENZYME-BASED AMPEROMETRIC BIOSENSORS FOR FOOD ANALYSIS. A REVIEW", **M.I.Prodromidis** and M.I.Karayannis. ELECTROANALYSIS, **14**, 241-261 (2002)
- 23) "DEVELOPMENT OF 1-(2-PYRIDYLAZO)-2-NAPHTHOL-MODIFIED POLYMERIC MEMBRANES FOR THE EFFECTIVE BATCH PRECONCENTRATION AND DETERMINATION OF ZINC TRACES WITH FLAME ATOMIC ABSORPTION SPECTROMETRY". E. Paleologos, D. Giokas, **M.I.Prodromidis** and M.I.Karayannis, TALANTA, **56**, 491- 498 (2002)
- 24) "DEVELOPMENT OF AMPEROMETRIC BIOSENSORS FOR THE DETERMINATION OF GLYCOLIC ACID TO REAL SAMPLES USING A F.I MANIFOLD". C.G.Tsiafoulis, **M.I.Prodromidis** and M.Karayannis, ANALYTICAL CHEMISTRY, **74**, 132-139 (2002).
- 25) "HIGHLY SELECTIVE SPECTROPHOTOMETRIC DETERMINATION OF TRACE COBALT AND DEVELOPMENT OF A REAGENTLESS FIBER-OPTIC SENSOR". E. Paleologos, **M.I.Prodromidis**, D. Giokas, A. Pappas and M.I.Karayannis, ANALYTICA CHIMICA ACTA, **467**, 205 (2002)
- 26) «FLOW MONITORING OF THE NADH CONSUMPTION IN BIOASSAYS BASED ON PACKED-BED REACTORS BEARING  $NAD^+$ -DEPENDENT DEHYDROGENASES. DETERMINATION OF ACETALDEHYDE USING ALCOHOL DEHYDROGENASE», A. Pappas, **M.I.Prodromidis**, and M.I.Karayannis, ANALYTICA CHIMICA ACTA, **467**, 225 (2002)

- 27) "DEVELOPMENT OF A FLOW AMPEROMETRIC ENZYMIC METHOD FOR THE DETERMINATION OF TOTAL GLUCOSINOLATES IN REAL SAMPLES", C.G. Tsiafoulis, **M. I. Prodromidis\*** and M.I. Karayannis, (\*Corresponding author), ANALYTICAL CHEMISTRY 75, 926-934 (2003)
- 28) "CHIROSELECTIVE ARTIFICIAL RECEPTORS FORMED BY THE SPREADER-BAR TECHNIQUE", **M.I. Prodromidis**, T.Hirsch, V.M. Mirsky, O.S. Wolfbeis, ELECTROANALYSIS 15, 1795-1799 (2003)
- 29) "METAL DISPERSED XEROGEL BASED COMPOSITE FILMS FOR THE CONSTRUCTION INTERFERENCE-FREE OXIDASE BASED BIOSENSORS" B. Prieto-Simon, G. Armatas, **M.I. Prodromidis\***, Ch. Nanos, and Ph. Pomonis, CHEMISTRY OF MATERIALS, 16, 1026 (2004)
- 30) "ALL-SOLID-STATE POTENTIOMETRIC SENSORS FOR ASCORBIC ACID BY USING A SCREEN-PRINTED COMPATIBLE SOLID CONTACT", P.G. Veltsistas, **M.I. Prodromidis\*** and C.E. Efstathiou, ANALYTICA CHIMICA ACTA, 502, 15 (2004)
- 31) "STUDY OF THE ELECTROCHEMICAL BEHAVIOUR OF DISPERSE BLUE 1-MODIFIED GRAPHITE ELECTRODES. FABRICATION OF SCREEN-PRINTED ELECTRODES AND ANALYTICAL APPLICATION TO NADH MONITORING". D.V. Stergiou, **M.I. Prodromidis**, P.G. Veltsistas, N. Evmiridis, ELECTROANALYSIS, 16, 949 (2004)
- 32) "SYNTHESIS AND CHARACTERIZATION OF NAD<sup>+</sup>-MODIFIED SILICA: A CONVENIENT IMMOBILIZATION OF BIOMOLECULE VIA ITS PHOSPHATE GROUP", Ch. Vartzouma, M. Louloudi, **M. Prodromidis** and N. Hadjiliadis, MATERIALS SCIENCE & ENGINEERING C 24, 473 (2004)
- 33) "PREPARATION OF A 2-(4-FLUOROPHENYL)INDOLE MODIFIED XEROGEL AND ITS USE FOR THE FABRICATION OF SCREEN-PRINTED ELECTRODES FOR THE ELECTROCATALYTIC DETERMINATION OF SULFIDE", G.Roman, A.Ch.Pappas, D. Kovala-Demertzi, and **M.I.Prodromidis\***, ANALYTICA CHIMICA ACTA, 523, 201 (2004)
- 34) "DEVELOPMENT OF AN AMPEROMETRIC BIOSENSING METHOD FOR THE DETERMINATION OF L-FUCOSE IN PRETREATED URINE". C.G.Tsiafoulis, **M.I.Prodromidis\*** and M.I. Karayannis, BIOSENSORS & BIOELECTRONICS, 20, 620 (2004)
- 35) "FLOW INJECTION ANALYSIS BASED ENZYMIC METHODS AND BIOSENSORS" (Invited MINI Review). **M.I. Prodromidis** and M.I. Karayannis, JOURNAL OF FLOW INJECTION ANALYSIS, 21, 5-10 (2004)
- 36) "CONSTRUCTION AND ANALYTICAL APPLICATIONS OF A PALM-SIZED MICROCONTROLLED-BASED AMPEROMETRIC ANALYZER", E.M. Avdikos, **M.I. Prodromidis\***, C.E. Efstathiou, SENSORS AND ACTUATORS, 107,372 (2005)
- 37) "ELECTROCHEMICAL STUDY OF FERROCENE INTERCALATED VANADIUM PENTOXIDE XEROGEL / POLYVINYL ALCOHOL COMPOSITE FILMS. APPLICATION IN THE DEVELOPMENT OF AMPEROMETRIC BIOSENSORS", C.G. Tsiafoulis, A.B. Florou, P. N. Trikalitis, T. Bakas and **M.I. Prodromidis\***, ELECTROCHEMISTRY COMMUNICATIONS, 7, 781 (2005)
- 38) "SYNTHESIS, CHARACTERIZATION AND PERFORMANCE OF VANADIUM HEXACYANOFERRATE AS ELECTROCATALYST OF H<sub>2</sub>O<sub>2</sub>", C.G. Tsiafoulis, P. N. Trikalitis, **M.I. Prodromidis\***, ELECTROCHEMISTRY COMMUNICATIONS, 7, 1398 (2005)
- 39) "PERFORMANCE OF IMPEDIMETRIC BIOSENSORS BASED ON ANODICALLY FORMED Ti/TiO<sub>2</sub> ELECTRODES" A.G. Mantzila, **M.I. Prodromidis\***, ELECTROANALYSIS, 20, 1878 (2005)
- 40) "MORPHOLOGY, IONIC DIFFUSION AND APPLICABILITY OF NOVEL POLYMER GEL ELECTROLYTES WITH Li/I<sub>2</sub>", A. G. Kontos, M. Fardis, **M. I. Prodromidis**, T. Stergiopoulos, E. Chatzivasiloglou, G. Papavassiliou and P. Falaras, PHYS. CHEM. CHEM. PHYS., 8, 767 (2006)

- 41) "MONITORING OF THE AVIDIN – BIOTINYLATED DEXTRAN INTERACTION ON AU AND Ti/TiO<sub>2</sub> ELECTRODE SURFACES USING A CHARGE INTEGRATING DEVICE", S.D. Bolis, P. C. Charalambous, C.E. Efstathiou\*, A.G. Mantzila, C.A. Malamou, **M.I. Prodromidis\***, SENSORS AND ACTUATORS, 114, 47 (2006)
- 42) "DEVELOPMENT OF CAPACITANCE BASED IMMUNOSENSORS ON MIXED SELF-ASSEMBLED MONOLAYERS", H. Hays, P. Millner, **M.I. Prodromidis**, SENSORS AND ACTUATORS, 114, 1064 (2006)
- 43) "INVESTIGATION OF FOOD – METAL CONTAINER INTERACTION USING EDS ANALYSIS", M.G. Kontominas, **M.I. Prodromidis**, E. Paleologos, A. Badeka, D. Georgantelkis, FOOD CHEMISTRY, 98, 225 (2006)
- 44) "DEVELOPMENT AND STUDY OF ANODIC Ti/TiO<sub>2</sub> ELECTRODES. POTENTIAL USE AS IMPEDIMETRIC IMMUNOSENSORS, A.G. Mantzila, **M.I. Prodromidis\***, ELECTROCHIMICA ACTA, 51, 3537 (2006)
- 45) "MONITORING OF OZONE USING A REAGENTLESS ALCOHOL OXIDASE ELECTRODE", D.V. Stergiou, **M.I. Prodromidis\***, P.G. Veltsistas, N. Evmiridis, ANALYTICAL CHEMISTRY, 78, 4676 (2006)
- 46) "ASSESSMENT OF THE INTERACTION BETWEEN A SYNTHETIC EPITOPE OF TROPONIN C AND ITS SPECIFIC ANTIBODY USING A LABEL-FREE FARADIC IMPEDIMETRIC IMMUNOSENSOR AND A-KEGGIN SILICOTUNGSTIC HETERO POLYACID AS A REDOX PROBE", A.G. Mantzila, C. Strongylis, V. Tsikaris and **M.I. Prodromidis\***, BIOSENSORS & BIOELECTRONICS, 23, 362 (2007)
- 47) "THE INFLUENCE OF THE METAL CATION AND THE FILLER ON THE PERFORMANCE OF DYE-SENSITIZED SOLAR CELLS USING POLYMER-GEL REDOX ELECTROLYTES", E. Chatzivasiloglou, T. Stergiopoulos, A.G. Kontos, N. Alexis, **M. Prodromidis**, P. Falaras, J. PHOTOCHEM. & PHOTOBIOLOG. A: CHEM. 192, 49 (2007)
- 48) "EVALUATION OF LACQUERED TINPLATED CANS CONTAINING OCTOPUS IN BRINE BY EMPLOYING X-RAY MICROANALYSIS AND ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY", A.V. Pournaras, **M.I. Prodromidis**, A.P. Katsoulidis, A.V. Badeka, D.Georgantelis, M. G. Kontominas, J.FOOD ENGINEERING, 86, 460 (2008).
- 49) "AN ELECTROCHEMICAL STUDY OF LIGNIN FILMS DEGRADATION:PROOF-OF-CONCEPT FOR AN IMPEDIMETRIC OZONE SENSOR", D.M. Stergiou, P.G. Veltsistas, **M.I. Prodromidis\***, SENSORS AND ACTUATORS, 129, 903 (2008)
- 50) "DEVELOPMENT OF A FARADIC IMPEDIMETRIC IMMUNOSENSOR FOR THE DETECTION OF SALMONELLA TYPHIMURIUM IN MILK", A.G. Mantzila, V. Maipa, **M.I. Prodromidis\***, ANALYTICAL CHEMISTRY, 80, 1169 (2008)
- 51) "PERFORMANCE OF A FARADIC IMPEDIMETRIC IMMUNOSENSOR FOR BLOOD GROUP ANTIGEN A", C.A. Malamou and **M.I. Prodromidis\***, MICROCHIMICA ACTA, 163, 251 (2008).
- 52) "FUNCTIONALIZATION OF NIOBIUM ELECTRODES FOR THE CONSTRUCTION OF IMPEDIMETRIC BIOSENSORS", S. Helali, I.Hafaiedh, C. Martelet, A. Abdelghani, **M.I. Prodromidis**, T. Albanis, N. Jaffrezic-Renault, MATERIALS SCIENCE & ENGINEERING C, 28, 826 (2008).
- 53) "DEVELOPMENT OF AN IMPEDIMETRIC IMMUNOSENSOR BASED ON ELECTROPOLYMERIZED POLYTYRAMINE FILMS FOR THE DETECTION OF SALMONELLA TYPHIMURIUM IN PURE CULTURES OF TYPE STRAINS AND INOCULATED REAL SAMPLES", A. Pournaras, T. Koraki, **M.I. Prodromidis\***, ANALYTICA CHIMICA ACTA, 624, 301 (2008).



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**Book Chapters:**

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**Patent:**

“Kit for the fabrication of Voltammetric electrodes” GR 1004997 (OBI, 2004).