

## **IMA2009 Committees**

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#### **Chairpersons**

Prof. Antony C. Calokerinos,  
Laboratory of Analytical Chemistry  
Department of Chemistry  
National and Kapodistrian University of Athens

Prof. Maria Ochsenkühn-Petropoulou  
Laboratory of Inorganic and Analytical Chemistry  
School of Chemical Engineering  
National Technical University of Athens

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Emeritus Prof. Miltiades Karayannis, University of Ioannina (Chairman of IMA 2001)  
Prof. Ioannis Stratis, Aristotle University of Thessaloniki (Chairman of IMA 2003)  
Prof. Nikos Chaniotakis, University of Crete (Chairman of IMA 2005)  
Prof. Theodore Christopoulos, University of Patras (Chairman of IMA 2007)

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Dr. Anastasia Detsi, Lecturer, National Technical University of Athens  
Assist. Prof. Tassos Economou, National and Kapodistrian University of Athens  
Prof. Constantinos Efstathiou, National and Kapodistrian University of Athens  
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Prof. Michael Koupparis, National and Kapodistrian University of Athens  
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Michael Paraskevas, National Technical University of Athens  
Panagiota Charalambous, National and Kapodistrian University of Athens  
Konstantina Xynou-Papazissimou, National Technical University of Athens  
Kaiti Efklidou-Tsimpogianni (Exhibition)



<b>SUNDAY October 4<sup>th</sup></b>	
16:00 – 18:30	Registration (Lobby, TITANIA Hotel) - Poster Session A set-up (Mezzanine, Hotel TITANIA)
19:00 – 20:00	Official Opening (Mezzanine, Hotel TITANIA)
20:00	Welcome Cocktail (Hotel TITANIA)

<b>MONDAY October 5<sup>th</sup></b>		
08:00	Registration Desk (Mezzanine, Hotel TITANIA), Poster Session A set-up (Mezzanine, Hotel TITANIA) (The Registration Desk will be open everyday during Conference Hours)	
	<b>NIKI HALL and APOLLON HALL</b> <b>MONDAY ORAL SESSION 1: Modern Tools and Trends in Analytical Technology</b> <b>Chairs: Les Ebdon, Freddy Adams</b>	
08:45 – 09:15	<b>[IL01] Gary M. Hieftje</b> , Indiana University, USA Title: "More tools and techniques for instrumental analysis"	
09:15 – 09:30	<b>[OP01] Georgios Theodoridis</b> , Helen Gika, Ian Wilson, Aristotle University of Thessaloniki, Greece and AstraZeneca, UK. Title: "Holistic Analytical Technologies. Pragmatic or Utopic?"	
09:30 – 09:45	<b>[OP02] Nikos Chaniotakis</b> , University of Crete, Greece Title: "Nanomaterials as Building Blocks in Electrochemical Chemical Sensors and Biosensors"	
09:45 – 10:00	<b>[OP03] Hitoshi Watarai</b> , University of Osaka, Japan Title: "Magneto-Analytical Chemistry of Microparticles"	
10:00 – 10:15	<b>[OP04] Michael Kompitsas</b> , National Hellenic Research Foundation, Greece Title: "Laser-Induced Breakdown Spectroscopy as an Efficient Analytical Tool for Elemental Determination"	
10:15 – 11:15	<b>Coffee Break and Poster Session A</b>	
	<b>NIKI HALL</b> <b>ORAL SESSION 2A:</b> <b>Flow Injection Analysis</b> <b>Chairs: Thomas De Beer,</b> <b>G. Theodoridis, A. Anthemidis</b>	<b>APOLLON HALL</b> <b>ORAL SESSION 2B:</b> <b>Sensors - Biosensors</b> <b>Chairs: Gary M. Hieftje, N. Chaniotakis</b>
11:15 – 11:45	<b>[IL02] Bo Karlberg</b> , Stockholm University, Sweden Title: "FIA - a technique for more than one analyte at a time?"	<b>[IL03] Les Ebdon</b> , University of Bedfordshire, UK Title: "Robust sensors for monitoring nutrients in the environment"
11:45 – 12:00	<b>[OP05] J.F. van Staden</b> , National Institute of Research for Electrochemistry and Condensed Matter, Romania Title: "Porphyrins in Flow-Injection Analysis"	<b>[OP10] P. A. Millner</b> , Gibson TD, Hays HCW, Vakurov A, Pchleintsev N, Caygill R, Shahidan A, Conroy D, University of Leeds, UK Title: "Biosensor Surface Nanotechnology: Design, Structure & Operating Principles"
12:00 – 12:15	<b>[OP06] M. Miró</b> , University of the Balearic Islands, Palma de Mallorca, Spain Title: "Flow-Through Microcolumn Extraction: a New Way of Performing Chemical Fractionation of Trace Metals in Environmental Solids"	<b>[OP11] P. Oikonomou</b> , K. Manoli, D. Goustouridis, I.Raptis, M. Sanopoulou, NCSR "Demokritos", Athens Title: "In-Situ Monitoring of Must Fermentation by Polymer Coated Interdigitated Sensor Arrays"
12:15 – 12:30	<b>[OP07] P. D. Tzanavaras</b> , D.G. Themelis, Aristotle University of Thessaloniki, Greece Title: "Flow Injection Techniques: A Viable Tool in Pharmaceutical Analysis? "	<b>[OP12] V. Laurinavičius</b> , J. Razumienė, L. Marcinkevičienė, R. Meškys, B. Kurtinaitienė, Institute of Biochemistry, Lithuania Title: "Quinohemo-Dehydrogenases in Biosensor Design"

12:30 – 12:45	<b>[OP08] A. Queen</b> , University of Manitoba, Canada Title: "Some Analytical Applications of Stopped-Flow Kinetics"	<b>[OP13] A. E. Niotis</b> , C.M. Mastichiadis, P.S. Petrou, A. Siafaka-Kapadai, I. Christofidis, K. Misiakos, S.E. Kakabakos, NCSR "Demokritos" and University of Athens, Greece Title: "Capillary Waveguide Immunosensor for the Simultaneous Determination of Cardiac Markers in Human Serum"
12:45 – 13:00	<b>[OP9] B. Michalke</b> , P. Grill, A. Berthele A, German Research Center for Environmental Health and Technical University of Munich, Germany Title: "A Method for Low Volume and Low Se Concentration Samples: Application to Paired Cerebrospinal Fluid and Serum Samples: Independence of CSF-Se from Serum-Se"	<b>[OP14] M. A. Vlachou</b> , K.M. Glynou, P.C. Ioannou, T.K. Christopoulos, G. Vartholomatos, University of Athens, Medicon Hellas SA, University of Patras, FORTH/ICEHT, Patras and University Hospital, Ioannina, Greece Title: "Visual Genotyping of Single Nucleotide Polymorphisms by Primer Extension Reaction and Dual-Allele Dipstick Assay"
13:00 – 13:30	<b>Lunch</b>	
13:30 – 14:30	<b>Poster Session A</b>	
	<b>NIKI HALL MONDAY ORAL SESSION 3A: Nano Analytics Chairs: Wolfgang Lindner, T.K. Christopoulos, C. Stalikas</b>	<b>APOLLON HALL MONDAY ORAL SESSION 3B: Process Analysis Technologies / Spectrometric Techniques Chairs: Jiří Barek, J. Stratis, Vassilia Rigopoulou-Kasselouri</b>
14:30 – 15:00	<b>[IL04] Freddy Adams</b> , University of Antwerp, Belgium Title: "Spectrometric Analysis at the Nano Level"	<b>[IL05] Thomas De Beer</b> , Ghent University, Gent, Belgium Title: "Implementation of Process Analytical Technology (PAT) Systems in Pharmaceutical Production Processes. A Case Study: Freeze Drying"
15:00 – 15:15	<b>[OP15] A. Knápek</b> , L. Grmela, Brno University of Technology, Czech Republic Title: "Fabrication and Noise Diagnostics of Schottky Nanotip Cathodes"	<b>[OP19] A. Gross</b> , H. Stosnach, Bruker AXS Microanalysis GmbH, Germany Title: "Trace Element Analysis of Pharmacological, Medical and Biological Samples by TXRF"
15:15 – 15:30	<b>[OP16] V. Karanassios</b> , Nano, University of Waterloo, Canada Title: "A Quantum of Nano"	<b>[OP20] N. Kallithrakas-Kontos</b> , M. Papadogiannakis, Technical University of Crete, Greece Title: "Solid Standard Addition: An Alternative Way for XRF Quantitative Analysis"
15:30 – 15:45	<b>[OP17] A. Malainou</b> , A. Tserepi, P.S. Petrou, S.E. Kakabakos, E. Gogolides, NCSR "Demokritos" and University of Ioannina, Greece Title: "Protein Patterning Through Selective Plasma-Induced Modification of Glass Substrates"	<b>[OP21] F. A. Sideridou</b> , University of Warwick, UK Title: "Mass Spectrometric Investigation of Peptide Fragments"
15:45 – 16:00	<b>[OP18] L. G. Bleris, A. Skarmoutsou</b> , C.A. Charitidis, Harvard University, USA and National Technical University of Athens, Greece Title: "Nanotechnology for Reverse Engineering of Natural Pathways"	<b>[OP22] K. V. Yablotskiy</b> , E.A. Shirshin, I.A. Veselova, V.V. Fadeev, T.N. Shekhovtsova, Lomonosov Moscow State University, Russia Title: "LASER-Induced Fluorescence Determination of Chatecholamines in Micellar Media"
16:00 – 16:45	<b>Coffee Break and Poster Session A</b>	

	<b>NIKI HALL</b> <b>MONDAY ORAL SESSION 4A:</b> <b>Sample Preparation /</b> <b>Environmental Analysis</b> <b>Chairs: Alfredo Sanz-Medel,</b> <b>N. Kallithrakas-Kontos,</b> <b>C. Kontoyannis</b>	<b>APOLLON HALL</b> <b>MONDAY ORAL SESSION 4B:</b> <b>Speciation / Environmental Analysis</b> <b>Chairs: Osman Yavuz Ataman,</b> <b>Maria Ochsenkuehn-Petropoulou</b>
16:45 – 17:15	<b>[IL06] Bernhard Welz</b> , Universidade Federal de Santa Catarina, Brazil Title: "Are You Still Digesting Your Samples for Trace Element Determination? – There Might Be Interesting Alternatives!"	<b>[IL07] Manfred Grasserbauer</b> , TU WIEN, Austria Title: "The Environmental Challenge for Analytical Sciences"
17:15 – 17:30	<b>[OP23] S. Razic</b> , S. Djogo, University of Belgrade, Serbia Title: "Sample Preparation Approach to Assess the Bioavailability of Chromium to Plants"	<b>[OP28] V. Nischwitz</b> , A. Berthele, B. Michalke B, Institute of Ecological Chemistry and Technical University of Munich, Germany Title: "Rapid Size Fractionation of Metal Species in Paired Human Serum and Cerebrospinal Fluid Samples Using Ultrafiltration with Element Selective Detection"
17:30 – 17:45	<b>[OP24] W. Boonjob</b> , M. Miró M, V. Cerdà, University of the Balearic Islands, Palma de Mallorca, Spain Title: "Automated Sequential Extraction Test Based on a Modified Toxicity Characteristic Leaching Procedure for Investigation of Leachability of Trace Metals in Solid Wastes"	<b>[OP29] S. Letsiou</b> , Ying Lu, T. Nomikos, S. Antonopoulou, <b>S. A. Pergantis</b> , University of Crete and Harokopio University, Greece Title: "Quantification of Selenium in Human Serum Proteins Using HPLC On-Line with Isotope Dilution Inductively Coupled Plasma Mass Spectrometry"
17:45 – 18:00	<b>[OP25] M. Grama</b> , F. Adams, L. Siretanu, A. Cincilei, N. Poliakova, S. Ciumacenco, Ministry of Defence and Phytosanitation Products Test State Center, Republic of Moldova and University of Antwerp, Belgium Title: "Harmful Pesticides In the Republic of Moldova"	<b>[OP30] N. M. Tzollas</b> , G. A. Zachariadis, E. Rosenberg E, Aristotle University of Thessaloniki, Greece and University of Technology, Austria Title: "Speciation Study of Trialkylated and Triphenyltin Compounds by Liquid Chromatography Ion Trap TOF Mass Spectrometry"
18:00 – 18:15	<b>[OP26] A. G. Vlyssides</b> , K. Pekmestzi, E.M.P. Barampouti, S.T. Mai, A.C. Alexandrides, National Technical University of Athens, Greece Title: "Automated Measurement of Anaerobic Biological Sludge Activity"	<b>[OP31] F. Tsopelas</b> , A. Tsantili- Kakoulidou, M. Ochsenkühn-Petropoulou, National Technical University of Athens, Greece Title: "Estimation of Biological Properties of Selenium Species Using Biomimetic Liquid Chromatography"
18:15 – 18:30	<b>[OP27] G. Bartzas</b> , K. Komnitsas, National Technical University of Athens and Technical University of Crete, Greece Title: "Solid Phase Studies and Geochemical Modelling of Low-Cost Permeable Reactive Barriers"	<b>[OP32] C. P. Verdon</b> , M. Fresquez, C. L. Caldwell, O. Piraner, C. D. Ward, R. L. Jones, Centers for Disease Control & Prevention and Battelle Memorial Institute, USA Title: "Two Chromatographic Methods for the Speciation of Inorganic, Methyl and Ethyl Mercury in Human Whole Blood Using Isotope-Dilution ICP-Mass Spectrometry"
18:30	<b>Poster Session A Removal / Poster Session B set-up</b>	

<b>TUESDAY October 6<sup>th</sup></b>		
08:00	Registration Desk	
	<b>NIKI HALL</b> <b>TUESDAY ORAL SESSION 5A:</b> <b>Separation Sciences / Chromatography</b> <b>Chairs: Manfred Grasserbauer,</b> <b>Bernhard Michalke, Athina Pappa</b>	<b>APOLLON HALL</b> <b>TUESDAY ORAL SESSION 5B:</b> <b>Electroanalysis / Chromatography</b> <b>Chairs: Bernhard Welz, A. Economou,</b> <b>K. M. Ochsenkuehn</b>
8:45 – 9:15	<b>[IL08] Wolfgang Lindner</b> , University of Vienna, Austria Title: "Molecular Recognition: a Key Parameter in Separation Sciences"	<b>[IL09] Jiří Barek</b> , Charles University, Prague, Czech Republic Title: "New trends in Electroanalytical Monitoring of Genotoxic Substances"
9:15 – 9:30	<b>[OP33] P. Jandera</b> , T. Hájek, V. Škeříková, J. Soukup, University of Pardubice, Czech Republic Title: "Dual Reversed Phase - HILIC Separation Mechanism on a Single Column: A Useful Tool for Uni- and Two-Dimensional HPLC Separations of Polar Compounds"	<b>[OP37] L. Krčmová</b> , D. Solichová, M. Kašparová, J. Plíšeka, I. Svobodová, B. Melichar, P. Solich P, Charles University, Czech Republic Title: "Application of Modern Technologies for Determination of Neopterin and Creatinine in Cancer Patients"
9:30 – 9:45	<b>[OP34] K. Tsimeli</b> , T. Triantis, T. Kaloudis, A. Hiskia, NCSR and Athens Water Supply and Sewage Company, Greece Title: "Development of a New Analytical Method for the High Sensitivity Analysis of EU 8 Priority Pollutant PAHs in Surface and Drinking Water by LC-APPI-MS/MS"	<b>[OP38] Y.B.H. Hadj Ahmed</b> , M. Badrani, Z. Othman, <b>A. R. Al Warthan</b> , King Saud University, Saudi Arabia Title: "Preparation and Characterization of Capillary Monolithic Columns for Nano-Chromatography"
9:45 – 10:00	<b>[OP35] V.F. Samanidou, E.G. Karageorgou</b> , I.N. Papadoyannis, Aristotle University of Thessaloniki, Greece Title: "Development of a Validated HPLC Method for Anabolic Steroids in Biological Fluids"	<b>[OP39] G. Kaklamanos</b> , G.A. Theodoridis, T. Dabalís, Veterinary Laboratory of Serres and Aristotle University Thessaloniki, Greece Title: "Determination of Steroid Hormones in Biological Matrices by Liquid Chromatography-Tandem Mass Spectrometry"
10:00 – 10:15	<b>[OP36] V. J. Sinanoglou</b> , G. Papadas, D. Meimaroglou, S. Miniadis-Meimaroglou, Technological Educational Institution of Athens and University of Athens, Greece Title: "Separation and Quantification of Marine Lipids by Modified Iatroscan-TLC-FID And GC-FID Analysis. Application to Total, Neutral and Polar Lipids and their Fatty Acids Extracted from Raw and Fried Spicara Smaris"	<b>[OP40] E. D. Tsochatzis</b> , R. Tzimou-Tsitouridou, U. Menkissoglou-Spiroudi, D.G.Karpousas, Aristotle University of Thessaloniki and University of Thessaly, Greece Title: "A Multi-Residue Method for Pesticide Residues Analysis in Rice Grains Using Matrix Solid Phase Dispersion and HPLC-DAD"
10:15 – 11:15	<b>Coffee break and Poster Session B</b>	
	<b>NIKI HALL</b> <b>TUESDAY ORAL SESSION 6A:</b> <b>Spectrometric Techniques</b> <b>Chairs: Bo Karlberg ,</b> <b>Angeliki Moutsatsou-Tsima</b>	<b>APOLLON HALL</b> <b>TUESDAY ORAL SESSION 6B:</b> <b>The Impact of Natural Products on Food Quality</b> <b>Chairs: A. C. Calokerinos, A. Vlessidis, A. R. Al Warthan</b>
11:15 – 11:45	<b>[IL10] Osman Yavuz Ataman</b> , Middle East Technical University, Turkey Title: "Does Anybody Care for a Very Sensitive, Low-Cost Atom Trapping AAS System Anymore?"	<b>[IL11] Panagiotis Kefalas</b> , MAICh, Chania, Greece Title: "Chalcones and Aurones: Chemical and Enzymic Synthesis, Structure Elucidation and Evaluation of their Antioxidative and Insecticidal Activity"

11:45 – 12:00	<b>[OP41] G. A. Zachariadis</b> , Aristotle University of Thessaloniki Title: “Introduction of Biological, Food and Pharmaceutical Samples to Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)”	<b>IL12 K. Biliaderis</b> , Aristotle University of Thessaloniki, Greece Title: “Analytical Approaches to Understanding Quality and Functionality Aspects of Cereal Dietary Fibers”
12:00 – 12:15	<b>[OP42] D. Zaharaki, K. Komnitsas, V. Perdikatsis</b> , Technical University of Crete, Greece Title: “Identification of Inorganic Polymer Gel Composition”	
12:15 – 12:30	<b>[OP43] M. Strouthou, S. Constantinou, C. Papachrysostomou, M. Hadjigeorgiou, P. Kanari, N. Thomaidis</b> , State General Laboratory, Cyprus and University of Athens, Greece Title: “Development and Validation of a Multi-Residue Method for the Determination of Non-Steroidal Anti-inflammatory Drugs (NSAIDs) in Meat of Meat-Producing Animals by LC-MS/MS”	<b>IL13 M. Tasioula-Margari</b> , University of Ioannina, Greece Title: “Structural Confirmation of Oleuropein and Ligstroside Aglycons and their Oxidation Products by HPLC-MS”
12:30 – 12:45	<b>[OP44] C. D. Yfantis</b> , National Technical University of Athens, Greece Title: “Characterization of the Biocorrosibility of Magnesium Alloys in Simulated Body Fluid by Destructive and Non-Destructive Methods”	<b>[OP46] E. Dessipri, E. Kakoulidis, E. Lampi, P. Parioleas</b> State General Chemical Laboratory, Athens, Greece Title: “Comparison of LC/MS/MS Instrumental Determination of Illegal Dyes in Food with HPLC/DAD Analysis”
12:45 – 13:00	<b>[OP45] A. N. Anthemidis, K. I. G. Ioannou</b> , Aristotle University of Thessaloniki, Greece Title: “On-Line Sequential Injection Dispersive Liquid-Liquid Micro-Extraction Preconcentration System for Trace Metal Determination by Atomic Absorption Spectrometry”	<b>[OP47] S. Chanthai, S. Prachakool, C. Ruangviriyachai</b> , Khon Kaen University, Thailand Title: “Comparative Analysis of Some Volatile Aroma Compounds, Total Phenolics and Antioxidant Activity of Essential Oil of Citronella Grass and Lemongrass Leaves”
13:00 – 13:30	<b>Lunch</b>	
13:30 – 15:00	<b>Poster Session B</b>	
15:00	<b>Guided Tour to Acropolis, Parthenon and Acropolis Museum</b>	

<b>WEDNESDAY October 7<sup>th</sup></b>	
08:00	Registration Desk
08:30 – 19:00	<b>One Day Excursion</b>
08:45 – 10:30	<b>NIKI HALL and APOLLON HALL</b> Chairs: M. Koupparis, M. Ochsenkuehn-Petropoulou <b>WORKSHOP: "Water Analysis and Ion Chromatography"</b> by Analytical Instruments S.A. John Cottam (DIONEX)
10:30 – 11:15	<b>Coffee break and Poster Session B</b>
11:15 – 13:00	<b>NIKI HALL and APOLLON HALL</b> Chairs: I. Papadoyiannis, P. Kefalas <b>WORKSHOP: "The Role of Chromatography in Food Quality and Safety "</b> by Antisel, A. Selidis Bros S.A. Ariovaldo Bisi and Luca Piatti (Perkin Elmer)
13:00 – 13:30	<b>Lunch</b>
13:30 – 14:30	<b>Poster Session B</b>
14:15 – 16:00	<b>NIKI HALL and APOLLON HALL</b> Chairs: N. Thomaidis, N. Tzamtzis <b>WORKSHOP: "Total Solutions in modern Mass Spectrometry"</b> by Hellamco S.A. George Tsoupras (AGILENT Technologies)
16:00 – 16:30	<b>Coffee break and Poster Session B</b>
16:30 – 18:00	<b>NIKI HALL and APOLLON HALL</b> Chairs: K. M. Ochsenkuehn, G. Zachariadis <b>WORKSHOP: "Spectrometric Methods for the Determinations of Metals by ICP-MS"</b> by ALS S. A. Evrim Kilicgedic, Apostolos Xylas (Varian)
18:00	<b>Poster Session B Removal</b>
21:00	<b>Conference Dinner (Hotel TITANIA)</b>



<b>THURSDAY October 8<sup>th</sup></b>	
08:00	Registration Desk
	<b>NIKI HALL and APOLLON HALL THURSDAY ORAL SESSION 7: New Analytical Approaches I Chairs: C. E. Efstathiou, K. Biliaderis</b>
9:00 – 9:30	<b>[IL14] Ryszard Lobinski</b> , University of Pau and CNRS, France Title: "Metallomics: the Concept and Methods"
9:30 – 10:00	<b>[IL15] Alfredo Sanz-Medel</b> , University of Oviedo, Spain Title: "Heteroatom-Tagged Proteomics: Atoms and Isotopes Come to the Rescue for Absolute Protein Determinations"
10:00 – 10:15	<b>[OP48] I.A. Trantakis, S. Spaniolas, P. Kalaitzis, P.C. Ioannou, G. A. Tucker, T. K. Christopoulos</b> , University of Patras, Mediterranean Agronomic Institute of Chania, University of Athens, University of Nottingham, and FORTH/ICE-HT, Patras, Greece Title: "Authentication of Coffee by Primer Extension Reaction in a Dipstick Format"
10:15 – 10:30	<b>[OP49] G. E. Louloudis</b> , Public Power Corporation of Greece, Athens, Greece Dimensions Analysis, Time and Spatial Effect, in Instrument's of Chemical Analysis Design
10:30 – 11:15	<b>Coffee break</b>
	<b>NIKI HALL and APOLLON HALL THURSDAY ORAL SESSION 8: New Analytical Approaches II Chair: Ryszard Lobinski, Penelope C. Ioannou, Glykeria Kakali</b>
11:15 – 11:30	<b>[OP50] A. N. Panagiotou, V. A. Sakkas, T. A. Albanis</b> , University of Ioannina, Greece Title: "Application of Chemometrics Assisted Dispersive Liquid-Liquid Micro- extraction (DLLME) to the Determination of PCPs in Natural Waters"
11:30 – 11:45	<b>[OP51] R. I. van Staden</b> , National Institute of Research for Electrochemistry and Condensed Matter, Romania Title: "New Stochastic Microsensors Based on Nanostructured Manganese Porphyrins for Molecular Diagnosis"
11:45 – 12:00	<b>[OP52] I. Karampas, M. Orkoula, C. Kontoyannis</b> , University of Patras and ICE-HT/FORTH, Patras, Greece Title: "Characterization of Biogenic Calcium Phosphates"
12:00 – 12:15	<b>[OP53] C. Serpi, Z. Stanić, S. Girousi</b> , Aristotle University of Thessaloniki, Greece Title: "Electroanalytical Study of the Interaction Between Double Stranded DNA and the Antitumor Agent Curcumin in the Presence of Copper(II) ions"
12:15 – 12:30	<b>[OP54] M. Koupparis, N. Megoulas</b> , University of Athens, Greece Title: "Evaporative Light Scattering Detection in Liquid Chromatography: Principles and Applications"
12:30 – 13:00	<b>Closing Ceremony (NIKI HALL and APOLLON HALL)</b>
13:00 – 13:30	<b>Lunch</b>
14:30	<b>Tour to Cape Sounio</b>

<b>FRIDAY October 9<sup>th</sup></b>	
08.15 – 19.30	<b>Post-conference Excursion: Day Cruise to Egina – Hydra - Poros</b>

## POSTER SESSION A

PA01	E.G. Anastasaki, C.D. Kanakis CD, Pappas CS, Tarantilis PA, Maggi L, del Campo CP, Carmona M, Alonso GL, Polissiou MG	Determination of Crocins Content in Saffron ( <i>Crocus Sativus</i> L.) Using Raman Spectroscopy
PA02	Petrakis EA, Kimbaris AC, Pappas CS, Tarantilis PA, Polissiou MG	Quantitative Determination of Pulegone by FT-IR Spectroscopy
PA03	Noula E, Samanidou VF, Assimopoulou AN, Papageorgiou VP, Papadoyannis IN	Solid Phase Extraction (SPE) for Purification of Alkannin/Shikonin Samples and Isolation of Monomeric and Dimeric A/S Fractions
PA04	Jitaru P, Roman M, Barbante C, Vaslin-Reimann S, Fiscaro P	Towards Method Validation for Selenium Speciation Analysis in Human Serum
PA05	Michopoulos F, Gika H, Kollias G, Zacharia L, Sotsios G, Wilson ID, Theodoridis GA	Tissue Extraction for Global Metabolic Profiling of Rheumatoid Arthritis
PA06	Michopoulos F, Pechlivanis A, Gika H, Wilson ID, Theodoridis GA	Effects of Sample Preparation in Global Metabolic Profiling
PA07	Pechlivanis A, Kostidis S, Petridou A, Gika H, Mikros E, Theodoridis G, Mougios V, Saraslanidis P	An NMR-Based Metabonomic Exploration of Changes Induced by High-Intensity Exercise in Human Urine
PA08	Karakosta T, Tzanavaras PD	Automated Derivatization and Fluorimetric Determination of Pharmaceutically Active Thiols Using Monobromobimane and Sequential Injection Analysis
PA09	Tzanavaras PD, Zacharis CK, Themelis DG	Ethyl-Propiolate as a Novel and Promising Analytical Reagent for the Derivatization of Thiols: Study of the Reaction Under Flow Conditions
PA10	Anthemidis AN, Adam ISI, Zachariadis GA	Peek-Turnings, a Novel Sorbent Material for Trace Metal Determination By Flow Injection Flame Atomic Absorption Spectrometry. Multivariable Optimization By a Two-Level Full Factorial Design
PA11	Kapsimali DC, Zachariadis GA	Tetraethyl- and Tetraphenylborates as Derivatizing Agents for Selenite Determination in Human Urine by GC-MS after Headspace SPME
PA12	Zachariadis GA, Rosenberg E	Fast Method for Organolead and Organotin Speciation in Urine by Hyphenated GC-MIP-AED After LLe Extraction
PA13	Kitsara M, Petrou P, Beltsios K, Raptis I, Kakabakos S	Evaluation of Biomolecular Film Thickness Using White Light Reflectance Spectroscopy
PA14	Vlachopoulou M-E, Tserapi A, Gogolides E, Petrou P, Kakabakos S	Protein Arrays on SF <sub>6</sub> Plasma Nanostructured PDMS Surfaces
PA15	Korinthiou A, Petrou PS, Kakabakos SE, Sifaka-Kapadai A, Kamakari S	Microarray-Based Detection of RPE65 and PRPF31 Genes Mutations for Retinitis Pigmentosa Diagnosis
PA16	Koukouvinos GA, Petrou PS, Kakabakos SE, Sifaka-Kapadai A, Kamakari S	Detection of RET Gene Mutations Related to MEN2 Syndromes by Oligonucleotides Microarray
PA17	Anestou K, Papadimitriou D, Yfantis CD, Schedel-Niedrig Th, Lux-Steiner M-Ch, Pohl UW	Optical Modulation Techniques Applied in the Analysis of Bulk Semiconductors and Semiconductor Heterostructures
PA18	Petoumenos E, Caumetteb G, Bouyssièreb B, Ochsenkuehn-Petropoulou M, Lobinski R	Speciation of Vanadium and Nickel in Petroleum Matrices by Coupling Chromatographic and Spectrometric Methods of Analysis
PA19	Katsou E, Malamis S, Bakochristou F, Haralambous K, Loizidou M	The Combined Use of Ultrafiltration Membranes and Aluminum-Silicate Minerals for Nickel Removal from Industrial Wastewater

PA20	Hristoforou E	On the Instrumentation for Magnetic and Magnetoelastic Uniformity Measurements
PA21	Bolbou A, Ochsenkühn K-M, Paraskevas MS, Bauer H, Ochsenkühn – Petropoulou M, Puxbaum H	Speciation of the Carbonaceous Aerosol Constituents in the Urban Area of Athens
PA22	Paraskevas MS, Vilandou G, Ochsenkühn – Petropoulou M	Determination of Platinum Group Elements from Automobile Catalysts in Exhaust Gas Fumes
PA23	Moutsatsou A, Panou A, Paraskevas M, Koukios E	Investigation of the Application of Instrumental Analysis for the Characterization of Watercolor Artistic Paper
PA24	Kordatos K, Stefopoulou D, Ntziouni A, Rigopoulou-Kasselouri V	Conventional and Microwave Synthesis of ZSM-5 Zeolites under Atmospheric Pressure with the Use of Rice Husk Ash as the Silica Source
PA25	Kordatos K, Podaropoulou E, Ntziouni A, Rigopoulou-Kasselouri V	Microwave-Assisted Hydrothermal Synthesis of ZSM-5 Zeolites with the Use of Rice Husk Ash as the Silica Source
PA26	Xifaras I, Kordatos K, Ntziouni A, Koukios S, Gavela S, Rigopoulou-Kasselouri V	Synthesis of ZSM-5 Zeolite Using Colored Glass Cullet
PA27	Caygill RL, Millner PA, Blair GE	Developing Impedimetric Immunosensors to Detect and Quantify Virus Particles
PA28	Conroy DJR, Millner PA, Stewart DI, Nelson LA	Biosensing for Groundwater Radionuclide and Heavy Metal Contamination
PA29	Shahidan MA, Millner PA	Development of Impedimetric Biosensors for Sugar Detection
PA30	van Staden R-I, Balasoïu S-C, Vasile O-R, van Staden JF, Radu GL	Modified Diamond Paste Based Microsensors for the Assay of Dopamine
PA31	van Staden JF, van Staden RI, Balasoïu SC, Vasile OR	Wireless Sensors a Tool for Process Control
PA32	Elenis D, Ioannou PC, Christopoulos TK	High-Throughput SNP Genotyping by Quadruple Primer Extension Reaction and Quadruple Chemiluminometric Hybridization Assay
PA33	Iliadi A, Ioannou PC, Traeger-Synodinos J, Kanavakis E, Anagnostopoulos NI, Savvidou I, Christopoulos TK	JAK2V617F Mutation Detection by Using Three-Primer Allele-Specific PCR and a Bioluminometric Hybridization Assay
PA34	Dimitrakopoulos I, Tserepa H, Thomaidis NS	Direct determination of Cr(VI) in the sub- $\mu\text{g/L}$ level in Water Samples with Suppressed Ion Chromatography and Conductivity Detection
PA35	Pasias IN, Pappa C, Katsarou V, Thomaidis NS, Piperaki EA	Comparative Study of Chemical Modifiers and Internal Standards for the Determination of Boron by Graphite Atomic Absorption Spectrometry
PA36	Koutilellis G, Efstathiou CE	Electrode Reactivating Differential Pulse Voltammetry
PA37	Stergiou DV, Prodromidis MI, Efstathiou CE	On the Possibility of a pH-metric Determination of Ozone
PA38	Dimovasilis PA, Kostaki VT, Florou AV, Prodromidis MI	Novel Electrochemical Sensors for Uranium
PA39	Kosma CI, Lambropoulou DA, Albanis TA	Photolysis of Omeprazole in Aqueous Solutions under Simulated Solar Irradiation
PA40	Petridis NP, Siroti IT, Sakkas VA, Albanis TA	Analytical Method Based in Leaching Test and SPE for the Determination of Polycyclic Aromatic Hydrocarbons in Solid Waste

PA41	Anagnostou D-D, Fiamegos Y, Stalikas C	Preconcentration and Microextraction of Metals with Solvent Impregnated Polypropylene Hollow Fiber: Determination of Cadmium and Lead in Water with Ammonium Pyrrolydine Dithiocarbamate as Complexing Agent and GFAA Spectroscopy
PA42	Fiamegos YC, Exarchou VA, Stalikas CD	<sup>1</sup> H-NMR Determination of Phenolic Endocrine Disruptors by a Single-Step Extraction-Derivatization-Preconcentrations in CCl <sub>4</sub>
PA43	Giokas DL, Tsogas GZ, Vlessidis AG	On-Line Derivatization Coupled to Flow Injection Permanganate Chemiluminescence Detection of Total Carbonyl Compounds in Natural Waters and Drinking Water
PA44	Kapakoglou NI, Giokas DL, Tsogas GZ, Ladavos AK, Vlessidis AG	Selective Sensing of Chromium in Natural Waters Based On Morphology-Dependent Aggregation of Polymerized Vesicle-Coated Gold Nanoparticles
PA45	Tsoumanis CM, Vlessidis AG, Giokas DL, Tsogas GZ	Development of a UV-Spectral Deconvolution Method (UVSD) for The Measurement of Global and Selected Pollution Parameters in Natural Water and Wastewater
PA46	Zisimopoulos EG, Giokas DL, Tsogas GZ, Kapakoglou NI, Akrivi EA, Vlessidis AG	A Flow Injection Chemiluminescence Method for The Indirect Quantitative Determination of Mefenamic Acid in Pharmaceutical formulations and Effect of Gold Nanoparticles
PA47	Agapiou A, Pallis G, Vamvakari T, Pappa A	Emission of Volatile Organic Compounds from Household Composters
PA48	Akay P, Arslan Y, Bakırdere S, Yıldırım E, Ataman OY	Inorganic Antimony Speciation Using Tungsten Coil Atom Trap and Hydride Generation Atomic Absorption Spectrometry
PA49	Yıldırım E, Arslan Y, Bakırdere S, Akay P, Ataman OY	Determination of Zinc by Vapor Generation Atomic Absorption Spectrometry
PA50	Bianu EG, Nica DA	Determination of Lead and Cadmium Levels in Sheep Organs by Graphite Furnace Atomic Absorption Spectrometry Method
PA51	Bounartzi M, Markopoulou CK, Karasavaidis G, Tsiapranta A, Koundourellis JE	Determination of Triplicate Mixtures by a Double Divisor-Ratio Spectra Derivative Method
PA52	Bujdoš M, Kubová J, Hagarová I, Matuš P	Determination of Platinum, Palladium and Rhodium in Environmental Materials By ICP-MS
PA53	Castilho INB, Araujo RGO, Welz B, Vale MGR, Smichowski P, Ferreira SLC, Becker-Ross H	Determination of Traffic-Related Trace Metals in Airborne Particulate Matter Using Solid Sampling Graphite Furnace Atomic Absorption Spectrometry
PA54	Dessuy MB, Borges AR, Vale MGR, Silva MM, Martelli P, Welz B	Evaluation of Lead Leaching from Pewter Cups by Graphite Furnace Atomic Absorption Spectrometry
PA55	Duarte AT, Vale MGR, Dessuy MB, Costa PA, Welz B	Cadmium Determination in Polymers of Waste Electrical and Electronic Equipment by Direct Solid Sampling Graphite Furnace Atomic Absorption Spectrometry
PA56	Huang D, Becker-Ross H, Florek S, Okruss M, Welz B, Morés S, Carasek E	Determination of Iodine Via the Spectrum of Barium Mono-Iodide Using High-Resolution Continuum Source Graphite Furnace Molecular Absorption Spectrometry
PA57	Chanysheva TA, Tsygankova A, Shelpakova IR, Saprykin AI	Analysis of Purity Bi <sub>2</sub> O <sub>3</sub> , WO <sub>3</sub> and MoO <sub>3</sub> by AES Method with Preliminary Concentration of Impurities
PA58	Cheilakou E, Kouli M	Fiber Optics Diffuse Reflectance Spectroscopy (FODRS) Technique as a Tool for the Non Destructive Characterization of Pigments and Ancient Copper- Based Artifacts Through the Measurement of their Colour
PA59	Deligkiozi I, Dardavila MM, Kollia C	Study of the Particles Incorporation in the Ni/TiO <sub>2</sub> -ZrO <sub>2</sub> Composite Electrocoatings

PA60	Drosu O, Hantila F, Maricar M	Thermal Field Analysis for Breast Tumor Detection
PA61	Fokitis E, Fetfatzis P, Galanis S, Gika V, Georgakopoulou A, Kompitsas M, Koutelieras G, Maltezos S, Manthos I, Patrinos K, Aravantinos A	High Sensitivity Interferometer Based on Fabry-Perot Etalons: Applications in Chemical Analysis
PA62	Gaganis V, Karonis D, Pasadakis N	Quantitative Analysis of Diesel-Biodiesel Mixtures Using Rank Annihilation Factor Analysis on Completely Overlapping mid-IR Spectra
PA63	Gaki A, Kakali G	X-Ray Diffraction Data and Structure Refinement of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_{3-\delta}$ ( $0 \leq x \leq 0.6$ )
PA64	Gavrilenko N, Saranchina N, Kachina A, Muravyov S	Simple Method for Colorimetric Analysis of Cu(II) Using a Scanner
PA65	Gavrilenko N, Saranchina N, Sukhanov A	Optical Sensitive Membranes on the Base of Polymethacrylate Matrix with Immobilized Reagents
PA66	Gessei T, Suzuki Y, Saito H, Takahashi D, Arakawa T, Kudo H, Mitsubayashi K	Bioelectronic Gas Sensor (Bio-Sniffer) for Formaldehyde
PA67	Sawai M, Miyajima K, Takahashi D, Arakawa T, Saito H, Kudo H, Mitsubayashi K	Optical Bio-Sniffer (Gas Sensor) Using UV-LED for Gaseous Ethanol
PA68	Suzuki Y, Gessei T, Takahashi D, Arakawa T, Kudo H, Mitsubayashi K	Novel Fluorometric Bio-Sniffer with UV-Led Excitation Technique for Monitoring Formaldehyde in the Gas Phase
PA69	Gikas E, Bazoti FN, Tsarbopoulos A	Pharmacokinetics of daptomycin in human plasma by UPLC-QTOF MS/MS
PA70	Hagarova I, Kubova J, Bujdos M, Matus P, Divis P	Coupling of SPE and EtAAS for the Determination of Ultratrace Inorganic Antimony in Waters
PA71	Hagarova I, Matus P, Kubova J, Bujdos M	Determination of Platinum in Waters by Etaas After Separation and Preconcentration on Nano-Sized $\text{TiO}_2$
PA72	Hagarová I, Kubová J, Bujdoš M, Matúš P, Diviš P	Comparison of Four Reaction Media for the Determination of Arsenites by Hg AAS
PA73	Katsou E, Malamis S, Haralambous K	Zinc Removal from Wastewater in an MBR Combined with Natural Minerals
PA74	Kim DH, Kim HA, Jang JW, Kim IY, Lee HJ, Lee SM, Jang HW, Kim SY, Jang YM, Lee SH	The Monitoring of Formaldehyde in Fisheries Products
PA75	Kiyanpour V, Fakhari AR, Alizadeh R, Asghari B, Jalali-Heravi M	Multivariate Optimization of Hydrodistillation Headspace Solvent Microextraction of Thymol and Carvacrol from <i>Thymus Transcaspicus</i>
PA76	Knápek A, Majzner J, Sedlák P	Analysis of Electromagnetic and Acoustic Emission in Solid Dielectric Materials
PA77	Koplík R, Mestek O, Komínková J	Trace Elements Species Fractionation in Common Bean Plants
PA78	Matúš P, Bujdoš M, Medved' J, Čerňanský S, Urik M, Kramarová Z, Kališ M, Hagarová I, Ševc J, Kubová J, Diviš P, Brulík L	Bioaccumulation, Biovolatilization and Biosorption of Aluminium and Thallium by Fungal Biomass
PA79	Matúš P, Hagarová I, Bujdoš M, Kubová J, Diviš P	Utilization of Extraction and Spectrometry Techniques for Preconcentration and Fractionation of Aluminium
PA80	Medved' J, Matúš P, Kališ M, Hagarová I, Bujdoš M, Kubová J, Diviš P	Speciation Analysis and Preconcentration of Thallium in Water Samples by Solid Phase Extraction and ETAAS
PA81	Mestek O, Koplík R	Dual Detector Calibration of Pe-Elan Inductively Coupled Plasma Mass Spectrometers

PA82	Mladenova E, Dakova I, Karadjova I	On-Line Solid Phase Preconcentration of Ultratrace Noble Metals from Environmental and Geological Samples
PA83	Moț AC, Soponar F, Sârbu C	Discrimination of Romanian Propolis Using Reflectance Spectroscopy Assisted by Multivariate Methods
PA84	Najafi NM, Ghasemi E, Raofie F, Ghassempour A	Speciation of Inorganic Selenium and Tellurium in Water and Biological Samples by Combination of Hollow Fiber Liquid Phase Microextraction and Electrothermal Atomic Absorption Spectroscopy
PA85	Najafi NM, Tavakoli H, Alizadeh R, Seidi S	Speciation of Inorganic Tellurium Species in Water Samples by Dispersive Liquid-Liquid Microextraction Combined with Electrothermal Atomic Absorption Spectroscopy Using Palladium as a Permanent Modifier
PA86	Papadakis R, Tsolomitis A	NMR and UV-Vis Spectroscopic Study of the Halosolvatochromic Behavior of the Complexes of Some New Synthesized Viologens with Potassium Ferrocyanide
PA87	Papadakis R, Soumas K, Hamilakis S, Kollia C, Loizos Z, Tsolomitis A	Synthesis and Photoelectrochemical Characterization of 4,4' Bipyridine Derivatives
PA88	Pappa A, Tzamtzis N, Koufopoulou S	Fire Retardant Impact on Physical and Chemical Properties of Leachates from Mediterranean Forest Soil: Short-Term Laboratory Study
PA89	Queen A	Construction Details and Performance of a Simple, Microvolume Stopped-Flow Apparatus
PA90	Shpigun LK, Suranova MA, Philatova EA, Ryabova NA	Two-Layered Film Modified Carbon Electrodes for Bioamines
PA91	Shpigun LK, Shushenachev YV, Kamilova PM, Zamyatina NN	Flow-Injection Methods for Testing Radical Scavenging Capacity of Food and Pharmacopeial Drugs
PA92	Spanou S, Gyftou P, Pavlatou EA	Tribological Study of Nickel Matrix Composite Coatings by Utilization of Vibrational Spectroscopy and Microscopy Techniques
PA93	Zoikis-Karathanasis A, Spanou S, Pavlatou EA	Tribo-Corrosion Study of Ni and Ni-P Matrix Composite Coatings
PA94	Alexakis D	Diagnosis of Stream Sediment Quality and Assessment of Natural and Anthropogenic Arsenic, Chromium and Other Potentially Toxic Elements Contamination Sources: East Attica Region, Greece
PA95	Szypuła M, Bobrowski A	Application of ICP AES for Determination of PbSO <sub>4</sub> Content in Plates Used in the Production of Lead-Acid Batteries
PA96	Vijdeluc Cl	Spectrofluorimetric Determination of Aluminum in Prawn via Chelation with Acid Alizarin Violet N

## POSTER SESSION B

PB01	Kanakis CD, Petrakis EA, Kimbaris AC, Pappas C, Tarantilis PA, Polissiou MG	Determination of the Geographical Origin of Mentha Pulegium Using Mid-Infrared Spectroscopy
PB02	Gerogiannaki-Christopoulou M, Evageliou V, Polissiou M, Tarantilis P, Anagnostaras M	Methanol Concentration in White and Red Varietals Wines
PB03	Gerogiannaki-Christopoulou M, Masouras T, Polissiou M, Tarantilis P, Evageliou V	Evaluation of the Volatile Aromatic Compounds of Marathon (Foeniculum Vulgare Miller.) Growing in Different Areas of Greece
PB04	Gerogiannaki-Christopoulou M, Evageliou V, Polissiou M, Tarantilis P	(+)-Catechin and (-)- Epicatechin Concentration in Red and White Varietals Wines
PB05	Tzollas NM, Zachariadis GA	Speciation of Tetralkyltin Compounds by HS-SPME and Gas Chromatography - Mass Spectrometry
PB06	Ioannou A, Alexiadou D, Kouidou S, Voulgaropoulos A, Girousi S	The Detection of DNA Methylation Using Electrochemical Procedures and Melting Analysis
PB07	Anastasiadou ZD, Sipaki I, Jannakoudakis PD, Girousi ST	Development and Validation of a Voltammetric Method for the Determination of Heavy Metals, Using a Bismuth Film Electrode
PB08	Kotti M, Piliouris E, Vlessidis A, Lydakis-Simantiris N	Identification of Dairy and Municipal Wastewaters by High Performance Liquid Chromatography and Cluster Analysis
PB09	Samanidou VF, Kourti PV	Development and Validation of an Isocratic HPLC Method for the Simultaneous Monitoring of SNRIs and SSRIs Antidepressants: Duloxetine, Venlafaxine, Fluoxetine and Paroxetine in Biofluids: A Useful Tool in Biomedical Analysis
PB10	Tolika EP, Samanidou VF, Papadoyannis IN	Development and Validation of an HPLC Confirmatory Method for the Determination of Ten Sulfonamide Antibiotics Residues in Porcine Muscle According to the European Union Decision 2002/657/EC
PB11	Evaggelopoulou EN, Samanidou VF	Development and Validation of a Confirmatory HPLC Method for the Determination of Seven Quinolone Antibiotics in Salmon Tissue According to the European Union Decision 2002/657/EC
PB12	Kaklamanos G, Theodoridis GA, Papadoyannis IN, Tsoukali H, Dabalís T	Determination of Anabolic Steroids in Bovine Serum by Liquid Chromatography-Tandem Mass Spectrometry
PB13	Kaklamanos G, Theodoridis GA, Dabalís T	Determination of Anabolic Steroids in Muscle Tissue by Liquid Chromatography-Tandem Mass Spectrometry
PB14	Gika HG, Kikalivili T, Metalidis S, Nikolaidis P, Theodoridis G	Determination of daptomycin in biological samples of clinical patients using LC-UV-MS
PB15	Spagou K, Klapa M, Constantinou C, Gika H, Theodoridis G, Tsoukali H, Raikos N, Wilson I	Gas Chromatography- Mass Spectrometry Metabolite Profiling of Plasma from Low and High Fat Diet Mice
PB16	Michopoulos F, Gika H, Jic C, Kaplowitz N, Theodoridis GA, Wilson ID	Alcoholism: A Civil Issue and Metabolic Changes
PB17	Pechlivanis A, Michopoulos F, Gika H, Theodoridis G, Wilson ID	Assessing the Sensitivity of Multivariate Statistical Analysis for the Extraction of "Biomarkers" from Global Metabolite Profiles
PB18	Pechlivanis A, Michopoulos F, Gika H, Theodoridis AG, Wilson DI, Lindner W, Fruehauf P	Study of Different LC Columns and Separation Mechanisms in Metabonomics LC-MS Analysis

PB19	Zacharis CK, Tzanavaras PD	Ultra-Fast LC Separations Using the New Fastgradient® Chromolith Monolithic Column: Application to the Photochemical Stability of Nimesulide
PB20	Tzanavaras PD, Themelis DG, Rigas P	Automated Zone-Sampling Dilution by Coupling Sequential Injection Analysis to High-Throughput HPLC for the Direct Determination of Gemfibrozil
PB21	Tsougeni K, Boulousis G, Roumeliotis T, Zorpas K, Speliotis T, Botsialas A, Raptis I, Tserepi A, Garbis SD, Gogolides E	Micro-fabricated TiO <sub>2</sub> -ZrO <sub>2</sub> Affinity Chromatography Micro-Column on PMMA for Phosphopeptide Analysis
PB22	Tsopelas F, Ochsenkühn-Petropoulou M, Tsantili-Kakoulidou A	Void Volume Markers in Liquid Chromatography
PB23	Tsochatzis ED, Tzimou-Tsitouridou R, Papageorgiou M	Validated Method for the Determination of Tocopherols and Tocotrienols in Whole Grain Barley Using Matrix Solid Phase Dispersion
PB24	Detsi A, Tsopelas F, Prousis KC, Kontogiorgis C, Hadjipavlou-Litina D, Lymperopoulou Th., Mpalta K, Ochsenkühn-Petropoulou M	Antioxidant Properties of Novel Quinolinone-3-Carboxamides Investigated by Spectrophotometric and Electrochemical Techniques
PB25	Tsakanika L-A V, Ochsenkühn-Petropoulou M	Separation of Scandium and Rare Earth Elements Using Liquid-Liquid Extraction
PB26	Detsi A, Prousis K, Kefalas P	NMR, FT-IR and LC-MS Spectroscopic Studies of Novel Chalcones and Aurones: The Effect of Substituents
PB27	Kalderis D, Kefalas P, Lydakis-Simantiris N	Hydrothermal Degradation of Chromophores from the Textile Industry
PB28	Khufi A, Al-Tardeh S, Kefalas P, Biliaderis CG	Antioxidant Activity of Olive Leaf Extracts and Thermal Stability of Oleuropein in Aqueous Acidic Media
PB29	Zikos EK, Demertzis PG, Akrida-Demertzi K	Application of Solid-Phase Microextraction to the Analysis of Volatile Compounds in Virgin Olive Oils from Corfu Island- Greece
PB30	Ivanov A, Korotkova E	Determination of Rutin in Vegetable Extracts
PB31	Knjazeva T, Kaljurand M	Interactions between Bioactive Flavonoids and Human Serum Albumin: Determination of Binding Constants, Binding Sites and Thermodynamic Parameters by Capillary Electrophoresis
PB32	Pandis P, Argirusis C, Martens S, Schneider O	The Application of the Electrochemical Quartz Crystal Microbalance (EQCM) Technique in Sonoelectrochemistry
PB33	Stefanidou A, Antoniou P, Sinanoglou VJ, Tegou E	Monitoring the Effect of Heating and the Addition of Herbs on the Oxidation of Sesame Seed Oil
PB34	Sinanoglou VJ, Kostarakou S, Theodorikakos I, Mantis F, Symeon G, Bizelis J	Caponization Effects on Intramuscular and Adipose Fat of Medium Growing Broilers
PB35	Šíroká J, Petrů K, Jáč P, Polášek M	Separation and Determination of Flavonoids and Phenolcarboxylic Acids Utilizing Complex Formation with Tungstate and On-Line Pre-Concentration of Analytes in Capillary Zone Electrophoresis
PB36	Petrů K, Šíroká J, Jáč P, Polášek M	Determination of Carbethopendecinium Bromide in Pharmaceuticals Using Capillary Zone Electrophoresis with Contactless Conductivity Detection
PB37	Krčmová L, Plíšek J, Solichová D, Kašparová M, Sobotka L, Solich P	Comparison of Extraction Techniques in Sample Preparation for Vitamin A and E Analysis - Advantages and Disadvantages
PB38	Kašparová M, Krčmová L, Plíšek J, Solichová D, Vlčková A, Žďánský P, Solich P, Sobotka L	Combination of Solid Phase Extraction, Monolithic Technology and Miniaturisation Advantages for Fast Determination of Serum Vitamins D <sub>2</sub> , D <sub>3</sub> , 25(OH)D <sub>3</sub> , Retinol and α-Tocopherol



PB39	Plíšek J, Vlčková H, Krčmová L, Kašparová M, Solichová D, Solich P, Sobotka L	Combination of Ultracentrifugation and SPE for Alpha-Tocopherol Extraction from Human Erythrocyte Membranes with Quantification by HPLC
PB40	Mladenova E, Dakova I, Karadjova I, Stafilov T	On the Determination of Hg in Wine and Honey
PB41	Batistatou SS, Bakeas EB	Determination of PAHs Using a Combined Membrane Assisted Solvent Extraction and Solid Phase Microextraction Technique in Environmental Samples
PB42	Batsaki A, Grivokostopoulou E, Symeonidis I, Mitsana-Papazoglou A, Timotheou-Potamia M	Spectrophotometric Evaluation of Total Antioxidant Capacity of Natural Products
PB43	Fotakis C, Kokkotou K, Christodouleas D, Calokerinos A, Liouni M, Zoumpoulakis P, Zervou M	Metabolic Monitoring of Greek Beverages Using HR NMR Spectroscopy
PB44	Parthymos DD, Thanasoulis NC, Kaloudis TS, Dimitrou A, Farmaki E, Calokerinos AC, Lytras ES	An SPE Optimization Protocol for the Chromatographic Determination of Organochlorine Pesticides in Waters
PB45	Christodouleas D, Fotakis C, Yianakopoulou E, Papadopoulos K, Calokerinos AC	Evaluation of Edible Oil Total Antioxidant Activity Using the DPPH Method
PB46	Tsiaka T, Christodouleas D, Calokerinos AC, Kefalas P	Development and Validation of a Chemiluminometric Method for the Measurement of Peroxide Value of Olive Oil
PB47	Nikokavoura A, Christodouleas D, Papadopoulos K, Yannakopoulou E, Dimotikali D, Calokerinos A	Estimation of Total Antioxidant Activity of Edible Oils Using Fluorescence and Chemiluminescence Techniques
PB48	Symeonidou A, Economou A, Efstathiou C, Dousikou M	Determination of Bisphenol-A by Adsorptive Stripping Voltammetry on a Diphenyl-Ether Carbon-Paste Electrode
PB49	Fasoula E, Economou A	Sequential-Injection Analysis with Chemiluminescence Detection for the Determination of the Antioxidant Capacity of White Wines
PB50	Kokkinos C, Economou A, Raptis I	Micro-Fabricated Nafion-Modified Bismuth-Film Electrodes for Anodic Stripping Voltammetry of Pb(II) and Cd(II)
PB51	Katsikis SN, Economou A, Roumeliotis T, Garbis SD, Botitsi HV, Tsiipi DF	Identification of New Photolytic Transformation Products of the Antibiotic Trimethoprim in Aqueous Solutions by Combination of Nano-ESI-QTOF-MS-MS and LC-MS-MS
PB52	Siousioulini M, Botitsi E, Antoniou S, Economou A, Tsiipi D	Determination of Multi - Class Pesticides in Cereals with Liquid Chromatography – Tandem Mass Spectrometry after Sample Treatment Using the “Quechers” Methodology
PB53	Litos IK, Ioannou PC, Christopoulos TK, Traeger-Synodinos J, Kanavakis E	Simultaneous Genotyping of Two Single Nucleotide Polymorphisms by Primer Extension Reaction in a Dry-Reagent Dipstick Format
PB54	Gremilogianni A, Megoulas N, Koupparis M	Determination of Streptomycin and Dihydrostreptomycin Residues in Milk by Solid Phase Extraction and LC-ESI-MS Detection
PB55	Kalogria E, Koupparis M, Panderi I	A Graphitized Carbon HPLC Method for the Quantification of Paracetamol, Chlorpheniramine and Pseudoephedrine in Pharmaceutical Formulations
PB56	Dimitrakopoulos I, Kaloudis T, Hiskia A, Thomaidis NS, Koupparis M	Development of a Fast and Selective Method for the Sensitive Determination of Anatoxin-a in Lake Waters Using Liquid Chromatography-Tandem Mass Spectrometry and d5-Phenylalanine as Internal Standard

PB57	Drivelos S, Dasenaki M, Thomaidis NS	Determination of Isoascorbic Acid in Fish Tissue by Hydrophilic Interaction Liquid Chromatography – Ultraviolet and Tandem Mass Spectrometric Detection
PB58	Spyridonakos N-E D, Tsoutsi CS, Albanis TA	Validation of a Solid Phase Microextraction Procedure with Gas Chromatography – Mass Spectrometry Detection of Pesticide Multiresidues in Natural Waters
PB59	Panagopoulou MA, Stergiou DV, Roussis IG, Prodromidis MI	A Faradaic Impedimetric Sensor for the Determination of the Clotting Activity of Rennet
PB60	Stergiou DV, Stergiopoulos T, Falaras P, Prodromidis MI	On-Site Ozone Monitoring Based on Solid-State Redox Electrolyte-Modified Gold Electrodes
PB61	Karatapanis AE, Fiamegos YC, Stalikas CD	Hydrophilic Interaction Chromatographic Behavior of Water-Soluble Vitamins on Three Different Polar Stationary Phases
PB62	Fiamegos YC, Karatapanis A, Stalikas CD	Microwave-Assisted Phase-Transfer Catalysis for the Rapid One-Pot Methylation and Gas Chromatographic Determination of Phenolics
PB63	Tsogas GZ, Giokas DL, Kapakoglou NI, Efstathiou DE, Vlessidis AG, Dimitrellos GN, Georgiadis TD, Charchanti AV	Pattern Recognition Techniques for the Geographical Classification and Differentiation of Self Sown and Cultivated Herbs Based on Chemical Profiling of Antioxidants and Selected Trace Elements
PB64	Daňhel A, Barek J, Yosypchuk B	Voltammetric Determination of 4-Nitrophenol at Single Crystal Silver Amalgam Electrode
PB65	Zielinska D, Zielinski H	Screening of the Antioxidant Activity of Flavone C-Glucosides by Updated Analytical Strategies
PB66	Bobrowski A, Kapturski P, Zarębski J, Dominik J, Vignati D	Catalytic Adsorptive Stripping Voltammetric Procedures for Chromium Speciation in Water Sediments
PB67	Bobrowski A, Królicka A, Zarębski J	Determination of Sub-Nanomolar Concentrations of Molybdenum Using Catalytic Polarography in the Presence of Phenanthroline and Chlorate
PB68	Voulgari A, Panderi I, Antoniadou-Vyza E	Monitoring Tenoxicam Photodegradation Pathways by a Specific HPLC Method; Identification of New Photodegradation Products by Mass Spectrometry
PB69	Orfanou F, Konsta G, Galanopoulou O, Antoniadou-Vyza E, Koupparis M	Simultaneous Quantification of Cyclodextrin Derivatives and Ciprofloxacin by HPLC with Light Scattering Detector and NMR Spectroscopy
PB70	Shpigun LK, Kiseleva IN, Zemskova LA, Zolotov YA	Adsorptive Stripping Voltammetry of Platinum Group Metals at a Chitosan Modified Carbon Electrode
PB71	Yıldırım FF, Yıldırım K, Çimenoğlu MA, Güçer Ş	Obtaining Non-Ignition Properties of the Mattresses by Two Different Methods
PB72	Georgakakou S, Kazanis M, Panderi I	Hydrophilic Interaction Liquid Chromatography/Positive Ion Electrospray Ionization Mass Spectrometry Method for the Quantification of Perindopril and its Main Metabolite in Human Plasma
PB73	Pulgarín JAM, Molina AA, Robles I	Binary Drug Mixture Resolution by Multivariate Calibration
PB74	Malenović A, Jančić–Stojanović B, Kostić N, Ivanović D, Medenica	Multiobjective Optimization of Atorvastatin and its Impurities Separation by High Submicellar Liquid Chromatography
PB75	Mašković M, Malenović A, Dotsikas Y, Jančić–Stojanović B, Ivanović D, Medenica M	Desirability-Based Optimization of Perindopril and its Four Impurities Microemulsion Liquid Chromatographic Separation
PB76	Soponar F, Moţ AC, Sârbu C	High-Performance Thin-Layer Chromatography with Three-Dimensional Digital Image Analysis for the Determination of Rutinin Pharmaceutical Preparations
PB77	Zikos N, Karaliota A, Liouni M	Changes in Antioxidant Activity of Greek Red and White Wines During Storage Investigated by Spectrophotometric and Electrochemical Techniques

PB78	Vonaparti A, Lyris E, Panderi I, Koupparis M, Georgakopoulos C	Doping Control Analysis of 3-Methoxytyramine in Horse Urine by Hydrophilic Interaction Liquid Chromatography – Quadrupole/Time-Of-Flight Mass Spectrometry
PB79	Vonaparti A, Lyris E, Panderi I, Koupparis M, Georgakopoulos C	Direct Injection Analysis of Salicylic Acid in Horse Urine by Rapid Resolution Liquid Chromatography – Quadrupole/Time-Of-Flight Mass Spectrometry
PB80	Vonaparti A, Lyris E, Angelis YS, Panderi I, Koupparis M, Georgakopoulos C	A Screening Method for the Simultaneous Detection of Multi-Class Prohibited Substances in Athlete's Urine by LC/TOF-MS for Doping Control
PB81	Sfakakis I, Botitsi E, Antoniou S, Dasenakis M, Tsipi D	Development and Validation of a Liquid Chromatography-Tandem Mass Spectrometric Method for the Determination of Multi-Class Pesticides in Water
PB82	Markopoulou CK, Andreadis AP, Chatsivili TA, Xanthopoulou ISS, Koundourellis JE	Chemometric and Derivative Methods as Flexible Spectrophotometric Approaches for Routine Analysis Tests in Multicomponent Tablets
PB83	Masavetas I, Moutsatsou A	Sampling, Classification and Characterization of Waste Electrical and Electronic Equipment for Recycling and Recovery of Metals
PB84	Trtić-Petrović T, Đorđević J, Dujaković N, Kumrić K, Vasiljević T, Laušević M	Determination of Selected Pesticides in Environmental Water by Employing Membrane Based Liquid-Liquid Extraction and Liquid Chromatography-Tandem Mass Spectrometry
PB85	Luterotti S, Kljak K, Grbeša D, Bicanic D, San Martin E, Spruyt R	Assaying the Carotenoid Content in Corn and Sweet Potato Flours by Photoacoustic Spectroscopy
PB86	Matso K, Levandi T, Helmja K, Vaher M	Variation of Phenolic Compounds and Antioxidativity in Wheat Grain, Bran and Flour
PB87	Pappa-Louisi A, Agrafiotou P, Papachristos K	Retention Modeling Under Organic Modifier Gradient Conditions in Ion-Pair Reversed-Phase Chromatography
PB88	Pappa-Louisi A, Agrafiotou P, Thomas D, Papachristos K	Combined Effect of Temperature and Organic Modifier Contents on RPLC Retention Under Ternary-Solvent Strength Isocratic and Gradient Elution Conditions
PB89	Borissova M, Vaher M, Palk K	Determination of Underivatized Fatty Acids in Plant Extracts by CE-SALDI MS
PB90	Sinanoglou VJ, Athanasiadou S, Vartholomeos D, Efdemon E, Stamou E, Mantis F, Symeon G, Bizelis J	Quantitation of Neutral and Polar Lipids by Iatroscan TLC-FID and of Fatty Acids by GC Analysis in Muscles and Adipose Tissue of Lambs and Kids
PB91	Amvrazi EG, Tsiropoulos NG	Optimization of Donor Solution Preparation in Liquid Phase Microextraction for Gas Chromatographic Determination of Multiclass Pesticides in Fruits
PB92	Nováková Z, Fojta M, Barek J, Drašar P	Synthesis and Utilization of Chiral Substituted 1,10-Phenanthroline Complexes
PB93	Kotsiou K, Tasioula-Margari M	Comparison of Analytical Methods for Acrylamide Determination in Foods
PB94	Zorpas KM, Valsami GN, Vryonis E, Skoutelis A, Archontaki HA	Robust and Sensitive Liquid Chromatographic/ UV Detection Technique for the Determination of Tigecycline in Rabbit Plasma
PB95	Smyrniotakis CG, Archontaki HA	Temperature Dependence of Retention on Two Silica-Based Columns in Series in Reversed-Phase Liquid Chromatography
PB96	Vafeiadou V, Samanidou V, Papadoyannis IN	Development and Validation of a High-Performance Liquid Chromatographic Method for the Determination of Vitamin B6 in Human Milk after Solid Phase Extraction