

CURRICULUM VITAE

DR. CONSTANTINOS ZACHARIS

PERSONAL DATA

Name: Constantinos K. Zacharis

Birth Date: 09 April 1977

Work address: Laboratory of Pharmaceutical Analysis, Department of Pharmaceutical Technology, School of Pharmacy, Aristotle University of Thessaloniki

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EDUCATION

BSc in Chemistry, Department of Chemistry, Aristotle University of Thessaloniki (1996-2001)

MSc in Analytical Chemistry, Analytical Techniques and Applications, Department of Chemistry, University of Ioannina (2012-2014)

PhD in Analytical Chemistry (2002-2006), Laboratory of Analytical Chemistry, Department of Chemistry, Aristotle University of Thessaloniki (2006-2006)

PROFESSIONAL EXPERIENCE

- **Research Scientist:** Analytical Development Laboratory, Research and Development, API Operations, Pharmathen S.A (September 2013 – December 2018)
- **Lecturer under contract:** Department of Food Technology, Alexander Technological and Educational Institute of Thessaloniki (October 2008 – July 2013)
- **Lecturer under contract:** Department of Nutrition and Dietetics, Alexander Technological and Educational Institute of Thessaloniki (October 2008 – July 2012)
- **Lecturer under contract (PD 407/80):** Laboratory of Analytical Chemistry, Department of Chemistry, Aristotle University of Thessaloniki (February 2008 – August 2010)
- **Scientific and technical customer support:** Hellamco S.A Analytical method development, customer training on analytical instruments (GC, GC-MS, LC, LC-MS) (May 2007 – December 2007)

POSTDOCTORAL RESEARCH

- **Postdoctoral researcher** under scholarship ("**Scholarship of Excellence**", Research Committee, AUTH), Laboratory of Analytical Chemistry, Department of Chemistry (2013).
- **Postdoctoral researcher** under scholarship ("**Scholarship of Excellence**", Research Committee, AUTH), Laboratory of Analytical Chemistry, Department of Chemistry (2010).

RESEARCH INTEREST

Development of analytical methods for the quality control and safety of active pharmaceutical ingredients (APIs) according to the “**Quality by Design**” principles

Development of analytical methods for the quantitation of **genotoxic impurities** in active pharmaceutical ingredients (APIs) using separation techniques

Application of new stationary phases in pharmaceutical analysis

Modern sample preparation techniques

Method development for the analysis of pharmaceutical compounds in biological samples

INTERNATIONAL AUCTORIAL ACTIVITIES

«**Smart materials as stationary phase in chromatography**» in «Smart materials in analytical sciences» (Eds. Francesc Esteve-Turrillas, Miguel de la Guardia) (ISBN: 978-1-119-42261-7) (Wiley & Blackwell) (**invited**)

«**Two phase aqueous liquid extraction**» in «**Encyclopedia of Analytical Sciences 3rd Edition**» (Reference Module in Chemistry, Molecular Sciences and Chemical Engineering) (Eds. P.J. Worsfold, C. Poole, A. Townshend, M. Miro) (Elsevier) (**invited**)

«**Generic Preconcentration/Dilution Sequential Injection Manifold for the Automated Amperometric Determination of Free Cyanides from Sub-ppb to High ppm Levels**» in «Portable Chemical Sensors: Weapons Against Bioterrorism, NATO Science for Peace and Security Series A: Chemistry and Biology» (Ed. D.P. Nikolelis) (Springer) (2012)

«**Preservatives**» in «**Food Analysis by HPLC**» (3rd edition) (Eds. L. Nollet & F. Toldra) (CRC Press) (Boca Raton, FL, USA) (ISBN: 9781439830840) (2012) (pp. 529-547)

«**Analysis of caffeine and related compounds by automated flow methods**» in «**Caffeine: chemistry, analysis, function and effects**» (Ed. Victor R Preedy) (Royal Society of Chemistry publishing, RSC) (UK) (ISBN: 978-1-84973-367-0) (2012) (pp. 193-212)

«**Sulfur dioxide in wines: Automated determination using flow injection analysis**» in «**Red wines and health**» (Ed. Paul O'Byrne) (Nova Science Publishers (USA) (2009)

EDITOR AND EDITORIAL BOARD MEMBER OF SCIENTIFIC JOURNALS

- **Editor** of Analytical chemistry section of **Open Chemistry** (formerly Central European Journal of Chemistry) (De Gruyter)
- **Academic Editor** and **Editorial board** of **Analytical chemistry section of Molecules** (MDPI)
- Editorial board of **SEJ Pharmaceutical Analysis** (Scientific Exhelters)
- Editorial board of **Advances in Analytical Chemistry** (Scientific and Academic Publishing)
- Editorial board of **Instrumentation Science & Technology** (Taylor & Francis)
- Editorial board of **American Journal of Food Science and Technology** (SciEP)
- Editorial board of The **Open Access Journal of Science and Technology** (AgiAI Publishing House)

CO-EDITOR AND GUEST EDITOR OF SCIENTIFIC PUBLICATIONS

- **Guest Editor** of the special issue entitled “**Recent Trends in Pharmaceutical Analytical Chemistry**” (Molecules, MDPI) (In Progress)
- **Guest Editor** of the special issue entitled “**Solid phase microextraction**” (Molecules, MDPI) (In Progress)
- **Guest Editor** of the special issue entitled “**Novel Instrumentation for Separations**” (Instrumentation Science & Technology, Taylor & Francis) (2015, vol. 43 pp. 139-196)
- **Guest Editor** of the special issue entitled “**Trends and Applications of Fast Liquid Chromatography in Bioanalysis**” (Journal of Chromatography B, Elsevier) (2013, vol. 927, pp. 1-226)
- **Guest Editor** of the special issue entitled “**Recent Advances in Separation Sciences**” (Central European Journal of Chemistry, Versita, Springer)(2012, vol. 10(3) pp. 415 – 843)
- **Guest Editor** of the special issue entitled “**Instrumentation and stationary phases for liquid chromatography**” (Instrumentation Science & Technology, Taylor & Francis) (2012, vol. 40 pp. 75 - 193)
- **Guest Editor** of the special issue entitled “**Analytical Aspects in Drug metabolism**” (Current Drug Metabolism, Bentham Science Publishers) (2011, Vol. 12 (4) pp. 312 – 410)
- **Co-editor** of the electronic book entitled “**Reviews in Pharmaceutical and Biomedical Analysis**” (Bentham Science Publishers, eISBN 978-1-60805-190-8)
- **Guest Editor** of the special issue entitled “**Automated sample pretreatment coupled to liquid phase separation techniques**” (Journal of Chromatographic Science, Oxford Academic) [vol. 47(8), Sept. 2009]

SCIENTIFIC DISTINCTION

1) **Top referee/outstanding contributor** in reviewing of the following Journals:

- Analytica Chimica Acta (2015, 2017)
- Journal of Chromatography A (2013, 2015, 2017)
- Journal of Chromatography B (2016)
- Journal of Pharmaceutical Biomedical Analysis (2008, 2015, 2017)
- Talanta (2016)

2) The following article entitled

“Amperometric determination of cyanides at the low ppb level by automated preconcentration based on gas diffusion coupled to sequential injection analysis.”

C.K. Zacharis*, P.D. Tzanavaras, A.N. Voulgaropoulos* and B. Karlberg
Talanta, 77 (2009) 1620

has been included in the literature data of EPA “**Measurement & Monitoring: 30th Quarterly Literature Update & Grant Survey**”

3) **Top 25 (Elsevier)**

“Determination of bisphosphonate active pharmaceutical ingredients in pharmaceuticals and biological material: A review of analytical methods”

Constantinos K. Zacharis*, Paraskevas D. Tzanavaras
J. Pharm. Biomed. Anal. 48 (2008) 483 – 496

2nd / 25 for Journal of Pharmaceutical and Biomedical Analysis during October-December 2008,

7th / 25 during January-March 2009 and

20th / 25 during July-September 2009

SCHOLARSHIPS

- Scholarship for PhD candidates (**Erasmus, State scholarship foundation**) (11/2004 to 04/2005) (Department of Biomedical analysis, School of Pharmaceutical Sciences, Utrecht University)
- PhD fellowship «**Herakleitos** (EPEAEK II) (2002 – 2005)
- Scholarship for post-doctorate research (“**Scholarship of Excellence 2010**”, Research Committee, Aristotle University of Thessaloniki) (2010)
- Scholarship for post-doctorate research (“**Scholarship of Excellence 2013**”, Research Committee, Aristotle University of Thessaloniki) (2013)

PARTICIPATION IN FUNDED RESEARCH

- Bilateral research program Greece-Slovenia 2003-2005 “**Development and Application of Novel Material for Bioseparations**” with bioanalytical separations company ((BIA Separations, Ljubljana, Slovenia)
- Bilateral research program Greece-Romania (2005-2008), “**Knowledge based multifunctional materials for biotechnological and biomedical use. Molecularly Imprinted polymers and pH/thermoreponsible micro- and nanospheres for the development of novel drug delivery systems and analytical tools for pharmaceuticals**” with “Petru Poni” Institute of Macromolecular Chemistry, Iassy, Romania
- Bilateral research program Greece-Czech Republic (2005-2008), “**Monolithic polymeric phases for capillary chromatographic and capillary electrochromatographic analysis of biomolecular enantiomers**” with the University of Pardubice, Czech Republic
- European research program (FP7) Greece-France-Serbia-Fyrom (2008-2010), “**Preclinical drug control**”
- Educational program “**Leonardo Da Vinci ChemLab II Project – European Training Program (Employees in chemical industries – Analytical Laboratories)**” (European Commission – Education, audiovisual & culture executive agency)

REVIEWER OF INTERNATIONAL SCIENTIFIC JOURNALS

Scientific Journal: **50** (some of them are listed below)
Reviewed articles > **650**

Analytica chimica Acta/Analytical Methods/Analytical Letters/Chromatographia/Electrophoresis/Food Chemistry/Food Analytical Methods/Journal of Chromatography A/Journal of Chromatography B/Journal of Chromatographic Science/Journal of Pharmaceutical and Biomedical Analysis/Journal of Separation Science/Molecules/Talanta

ORGANIZING / SCIENTIFIC COMMITTEE OF INTERNATIONAL CONFERENCES

«*Flow Analysis XII*», 23 – 28 Sept 2012, Thessaloniki, Greece

PUBLICATIONS IN INTERNATIONAL PEER-REVIEWED JOURNALS

- 48) Automated post-column sample manipulation prior to detection in liquid chromatography: A review of pharmaceutical and bioanalytical applications
Natalia Manousi, **Constantinos K. Zacharis***
Curr. Anal. Chem. (2019) *In Press* (invited)
- 47) Application of Analytical Quality by Design principles for the determination of alkyl p-toluenesulfonates impurities in Aprepitant by HPLC. Validation using total-error concept
Constantinos K. Zacharis*, Elli Vastardi
J. Pharm. Biomed. Anal. 150 (2018) 152-161
- 46) Fentanyl and Naloxone effects on glutamate and GABA release rates from anterior hypothalamus in freely moving rats
Chryssa Pourzitaki*, Georgia Tsaousi, Georgios Papazisis, Athanassios Kyrgidis, **Constantinos Zacharis**, Aristeidis Kritis, Dimitrios Kouvelas
Eur. J. Pharmacol. 834 (2018) 169-175
- 45) A new scalable synthesis of entecavir
Efthymia G. Gioti, Theocharis V. Koftis*, Efstratios Neokosmidis, Elli Vastardi, Stefanos S. Kotoulas, Sakellarios Trakossas, Theodoros Tsatsas, Elizabeth E. Anagnostaki, Theodoros D. Panagiotidis, **Constantinos Zacharis**, Evanthia P. Tolika, Anastasia-Aikaterini Varvogli, Thanos Andreou, John K. Gallos*
Tetrahedron 74 (2018) 519-527
- 44) (Chloromethyl)dimethylchlorosilane–KF: A Two-Step Solution to the Selectivity Problem in the Methylation of a Pyrimidone Intermediate en Route to Raltegravir
Christos I. Stathakis*, Petros L. Gkizis, Elli S. Alexandraki, Sakellarios Trakossas, Michael Terzidis, Efstratios Neokosmidis, **Constantinos K. Zacharis**, Christina Vasiliadou, Elli Vastardi, Thanos Andreou, Asteria Zitrou, Anastasia-Aikaterini Varvogli, and Theocharis V. Koftis*
Org. Process Res. Dev. 21(9) (2017) 1413-1418
- 43) Assessment, modeling and optimization of parameters affecting the formation of Disinfection by-products in water
Chrysa Gougoutsou, Christophoros Christophoridis*, **Constantinos K. Zacharis**, Konstantinos Fytianos
Environ. Sci. Pollut. Res. 23 (2016) 16620-16630
- 42) A validated LC method for the determination of enantiomeric purity of clopidogrel intermediate using amylose-based stationary phase
Constantinos K. Zacharis*, Elli Vastardi
Chromatographia 78 (2015) 819-824
- 41) A validated liquid chromatographic method for the determination of polycyclic aromatic hydrocarbons in honey after homogeneous liquid liquid extraction using hydrophilic acetonitrile and sodium chloride as mass separating agent
Anastasia Koltsakidou, **Constantinos K. Zacharis***, Konstantinos Fytianos
J. Chromatogr. A 1377 (2015) 46-54
- 40) Automated fluorimetric assay for baclofen after on-line derivatization with o-phthalaldehyde based on the sequential injection principle
Paraskevas D. Tzanavaras* and **Constantinos K. Zacharis**
Curr. Anal. Chem. 10 (2014) 298-304
- 39) Zwitterionic hydrophilic interaction chromatography coupled with post-column derivatization for the analysis of glutathione in wine samples
Constantinos K. Zacharis, Paraskevas D. Tzanavaras*, Theano D. Karakosta, Demetrius G. Themelis

Anal. Chim. Acta 795 (2013) 75-81

38) Liquid chromatography coupled to on-line post column derivatization for the analysis of organic compounds: A review on instrumentation and chemistries

Constantinos K. Zacharis*, Paraskevas D. Tzanavaras*

Anal. Chim. Acta, 798 (2013) 1 – 24

(Editor's choice to be the cover of the volume) (invited)

37) Determination of glutathione in baker's yeast by capillary electrophoresis using methyl propiolate as derivatizing reagent

Irene-Chrisanthi Tsardaka, **Constantinos K. Zacharis**, Paraskevas D. Tzanavaras, Anastasia Zotou*

J. Chromatogr. A 1300 (2013) 204-208

36) Determination of rimantadine in human urine by high performance liquid chromatography using a monolithic stationary phase and on-line post-column derivatization

Constantinos K. Zacharis, Paraskevas D. Tzanavaras*, Athanasios G. Vlessidis

J. Sep. Sci. 36 (2013) 1720-1725

35) "Development and validation of a rapid ultra high pressure liquid chromatographic method for the determination of methylxanthines in herbal infusions"

Constantinos K. Zacharis*, Fotini S. Kika, Paraskevas D. Tzanavaras, Konstantinos Fytianos

J. Chromatogr. B 927 (2013) 218-222

34) High-throughput determination of quinine in beverages and soft drinks based on zone-fluidics coupled to monolithic liquid chromatography: on-line dilution, and addition of internal standard

Paraskevas D. Tzanavaras*, **Constantinos K. Zacharis**, Theano D. Karakosta, Anastasia Zotou and Demetrius G. Themelis

Anal. Lett. 46 (2013) 1718-1731

33) Field bindweed (*Convolvulus arvensis* L.) and redroot pigweed (*Amaranthus retroflexus* L.) control in potato by pre- or post-emergence applied flumioxazin and sulfosulfuron

I. Vasilakoglou*, K. Dhima, K. Paschalidis, T. Gatsis, **K. Zacharis**, M. Galanis,

Chil. J. Agr. Res. 73 (2013) 24-30

32) Chromatographic behavior of the biologically active proline derivative captopril on particulate, monolithic and core-shell narrow bore columns

Constantinos K. Zacharis, Theano D. Karakosta, Paraskevas D. Tzanavaras*, Pantelis G. Rigas, Demetrius G. Themelis

Anal. Methods 4 (2012) 4373-4377

31) Vortex-assisted liquid liquid microextraction combined with gas chromatography-mass spectrometry for the determination of organophosphate pesticides in environmental water samples and wines

Constantinos K. Zacharis*, Christophoros Christophoridis, Konstantinos Fytianos

J. Sep. Sci. 35 (2012) 2422-2429

30) Dispersive liquid liquid microextraction for the determination of organochlorine pesticides residues in honey by gas chromatography – electron capture and ion trap mass spectrometric detection

Constantinos K. Zacharis*, Ilias Rotsias, Petros G. Zachariadis, Anastasios Zotos

Food Chem. 134 (2012) 1665-1672 (DOI: 10.1016/j.foodchem.2012.03.073)

29) HPLC separation of nimesulide and five impurities using a narrow-bore monolithic column: application to photo-degradation studies

Constantinos K. Zacharis, Paraskevas D. Tzanavaras*

Chromatographia 73 (2011) 347-352

- 28) NBD-Cl as a post-column reagent for primary and secondary amines after separation by ion-exchange chromatography
Constantinos K. Zacharis, Paraskevas D. Tzanavaras, Panagiotis N. Mouroutis, Pantelis Rigas*
Anal. Lett. 44 (2011) 1821-1834
- 27) Ethyl propiolate as a post-column derivatization reagent for thiols: development of a green liquid chromatographic method for the determination of glutathione in vegetables
Constantinos K. Zacharis, Paraskevas D. Tzanavaras*, Anastasia Zotou
Anal. Chim. Acta, 690 (2011) 122-128
- 26) Development and validation of a rapid HPLC method for the determination of five banned fat-soluble colorants in spices using a narrow-bore monolithic column
Constantinos K. Zacharis*, Fotini S. Kika, Paraskevas D. Tzanavaras, Pantelis G. Rigas, Efstratios R. Kyranas
Talanta, 84 (2011) 480-486
- 25) Derivatization of thiols under flow conditions using two commercially available propiolate esters
Paraskevas D. Tzanavaras*, Alexandros Tsiomlektsis, **Constantinos K. Zacharis**
J. Pharm. Biomed. Anal. 53 (2010) 790 – 794
- 24) Solvent-based de-emulsification dispersive liquid-liquid microextraction combined with gas chromatography – mass spectrometry for determination of trace organochlorine pesticides in environmental water samples
Constantinos K. Zacharis*, Paraskevas D. Tzanavaras, Konstantinos Roubos, Kico Dhima
J. Chromatogr. A 1217 (2010) 5896 – 5900
- 23) Rapid determination of methylxanthines in real samples by high performance liquid chromatography using the new FastGradient® narrow-bore monolithic column
Paraskevas D. Tzanavaras*, **Constantinos K. Zacharis**, Demetrius G. Themelis
Talanta 81 (2010) 1494 – 1501
- 22) On-line derivatization of N-acetylcysteine using ethyl-propiolate as a novel advantageous reagent and sequential injection analysis
Paraskevas D. Tzanavaras*, **Constantinos K. Zacharis**, Demetrius G. Themelis
Anal. Lett. 43 (2010) 1889 – 1901
- 21) High throughput automated determination of glutathione based on the formation of a UV-absorbing thioacrylate derivative
Constantinos K. Zacharis, Paraskevas D. Tzanavaras*
Comb. Chem. & High Through. Screen. 13 (2010) 461-468 (invited)
- 20) Ethyl-propiolate as a novel and promising analytical reagent for the derivatization of thiols: study of the reaction under flow conditions
Constantinos K. Zacharis*, Paraskevas D. Tzanavaras, Demetrius G. Themelis
J. Pharm. Biomed. Anal. 50 (2009) 384-391
- 19) Amperometric determination of cyanides at the low ppb level by automated preconcentration based on gas diffusion coupled to sequential injection analysis
Constantinos K. Zacharis*, Paraskevas D. Tzanavaras, Anastasios N. Voulgaropoulos*, Bo Karlberg
Talanta 77 (2009) 1620-1626
- 18) Accelerating the quality control of pharmaceuticals using monolithic stationary phases. A review of recent applications
Constantinos K. Zacharis*
J. Chromatogr. Sci., 47 (2009) 443-451 (invited)

- 17) Validated assay for the determination of mitoxantrone in pharmaceuticals using capillary zone electrophoresis
Fotini S. Kika, **Constantinos K. Zacharis**, Georgios A. Theodoridis, Anastasios N. Voulgaropoulos*
Anal. Lett. 42 (2009) 842 – 855
- 16) Automated sample preparation coupled to sequential injection chromatography: on-line filtration and dilution protocols prior to separation
Constantinos K. Zacharis, Aspasia Verdoukas, Paraskevas D. Tzanavaras*, Demetrius G. Themelis
J. Pharm. Biomed. Anal. 49 (2009) 726-732
- 15) Separation and determination of nimesulide related substances for quality control purposes by micellar electrokinetic chromatography
Constantinos K. Zacharis, Paraskevas D. Tzanavaras*, Maria Notou, Anastasia Zotou, Demetrius G. Themelis
J. Pharm. Biomed. Anal., 49 (2009) 201-206
- 14) Novel automated assay for the quality control of mexiletine hydrochloride formulations using sequential injection and on-line dilution
Paraskevas D. Tzanavaras*, **Constantinos K. Zacharis**, Pantelis Rigas
J. Pharm. Biomed. Anal. 48 (2008) 1254 – 1260
- 13) Determination of bisphosphonate active pharmaceutical ingredients in pharmaceuticals and biological material: A review of analytical methods
Constantinos K. Zacharis*, Paraskevas D. Tzanavaras
J. Pharm. Biomed. Anal. 48 (2008) 483 – 496
- 12) Extraction of acyclovir from pharmaceutical creams prior to HPLC assay analysis. Optimization and validation of pre-treatment protocols.
Paraskevas D. Tzanavaras, **Constantinos K. Zacharis***
Central Eur. J. Chem., 6 (2008) 140 – 144 (Invited)
- 11) A new method for the HPLC determination of gamma-hydroxybutyric acid (GHB) following derivatization with a coumarin analogue and fluorescence detection. Application in the analysis of biological fluids
Constantinos K. Zacharis, Nikolaos Raikos, Nikolaos Giouvalakis, Helen Tsoukali-Papadopoulou, Georgios A. Theodoridis*
Talanta 75 (2008) 356 – 361
- 10) Sequential injection affinity chromatography utilizing an albumin immobilized monolithic column to study drug-protein interactions
Constantinos K. Zacharis, Eftichios A. Kalaitzantonakis, Ales Podgornik, Georgios A. Theodoridis*
J. Chromatogr. A, 1144 (2007) 126 – 134
- 9) Automated sample pre-treatment using Flow Techniques prior to Liquid-Phase Separations. A review”
Georgios A. Theodoridis*, **Constantinos K. Zacharis**, Anastasios N. Voulgaropoulos
J. Biochem. Biophys. Methods 70 (2007) 243 – 252
- 8) Coupling of sequential injection analysis and capillary electrophoresis – Laser-induced fluorescence via a valve interface for on-line derivatization and analysis of amino acids and peptides”
Constantinos K. Zacharis, F. W. Alexander Tempels, Georgios A. Theodoridis*, Anastasios N. Voulgaropoulos, Willy J. M. Underberg, Govert W. Somsen, Gerhardus J. de Jong
J. Chromatogr. A 1132 (2006) 297 – 303
- 7) Incorporation of a monolithic column into sequential injection system for drug-protein binding studies
Constantinos K. Zacharis, Georgios A. Theodoridis*, Ales Podgornik, Anastasios N. Voulgaropoulos
J. Chromatogr. A 1121 (2006) 46 – 54

- 6) Coupling of sequential injection with liquid chromatography for the automated derivatization and on-line determination of amino acids
Constantinos K. Zacharis, Georgios A. Theodoridis*, Anastasios N. Voulgaropoulos
 Talanta 69 (2006) 841 – 847
- 5) Normal spectrophotometric and stopped-flow spectrofluorimetric sequential injection methods for the determination of alendronic acid, an anti-osteoporosis amino-bisphosphonate drug, in pharmaceuticals”
 Paraskevas D. Tzanavaras, **Constantinos K. Zacharis**, Georgios A. Theodoridis*, Eftichios A. Kalaitzantonakis and Anastasios N. Voulgaropoulos
 Anal. Chim. Acta 547 (2005) 98 – 103
- 4) On-line coupling of Sequential Injection with High Performance Liquid Chromatography for the automated derivatization and determination of γ -aminobutyric acid in human biological fluids”
Constantinos K. Zacharis, Georgios A. Theodoridis*, Anastasios N. Voulgaropoulos
 J. Chromatogr. B, 808 (2004) 169 – 175
- 3) Rapid spectrofluorimetric determination of lisinopril in pharmaceutical tablets using sequential injection analysis
Constantinos K. Zacharis, Paraskevas D. Tzanavaras, Demetrius G. Themelis*, Georgios A. Theodoridis, Anastasios Economou, Pantelis G. Rigas
 Anal. Bioanal. Chem. 379 (2004) 759 – 763
- 2) Automated sample preparation based on the sequential injection principle. Solid phase extraction on a molecularly imprinted polymer coupled on-line to HPLC
 Georgios A. Theodoridis*, **Constantinos K. Zacharis**, Paraskevas D. Tzanavaras, Demetrius G. Themelis, Anastasios Economou
 J. Chromatogr. A 1030 (2004) 69 – 76
- 1) Determination of fluoride ions by single column high pressure anion chromatography in dentifrice preparations and body fluids: saliva and blood serum
 V. F. Samanidou, **C. K. Zacharis** and I. N. Papadoyannis*
 J. Liq. Chrom. & Rel. Technol. 25 (2002) 803 – 818

PRESENTATIONS IN INTERNATIONAL CONFERENCES

- 1) 3rd Aegean Analytical Chemistry Days (AACD-III, 2002), 29 September – 2 October 2002, Lesvos, Greece
- 2) 8th Conference Advanced Medical Chemistry “Pharmacochemistry in the 21th century”
 18-19 September 2003, Thessaloniki, Greece
- 3) 27th Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2003)
 15-19 June 2003, Nice, France
- 4) Instrumental Methods of Analysis Modern Trends and Applications (IMA 2003), 23-27 September 2003, Thessaloniki, Greece
- 5) International Symposium Analytical Forum 2004, 4-8 July 2004, Warsaw, Poland
- 6) 4th International Symposium on Separations in the BioSciences (SBS'05), 18-21 October 2005 Utrecht, The Netherlands
- 7) Monolithic Summer School on Biochromatography, Bioconversion and Solid Phase Synthesis, 28-31 May 2006, Portoroz, Slovenia
- 8) 5th Aegean Analytical Chemistry Days, 5-8 October 2006, Thessaloniki, Greece
- 9) 13th Hellenic Symposium on Medicinal Chemistry (HSMC-13), 14-15 March 2008, Athens

- 10) 6th International Conference on Instrumental Methods of Analysis Modern Trends and Applications (IMA 2009) 4-8 October 2009, Athens, Greece.
- 11) 7th Aegean Analytical Chemistry Days (AACD 2010) 29 Sept - 03 October 2010, Lesvos, Greece
- 12) NATO Advanced Research Workshop (NATO-ARW 2011) 1-4 July 2011, Snogeholm Castle, Lund, Sweden
- 13) 15th Hellenic symposium on Medicinal Chemistry, 25-27 May 2012, Athens, Greece
- 14) 12th International Conference on Flow Analysis, 23-28 September 2012, Thessaloniki, Greece