



ΕΘΝΙΚΟΝ & ΚΑΠΟΔΙΣΤΡΙΑΚΟΝ
ΠΑΝΕΠΙΣΤΗΜΙΟΝ ΑΘΗΝΩΝ
NATIONAL & KAPODISTRIAN
UNIVERSITY OF ATHENS

Department of Pharmacy



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Academic Qualifications:

- Ph.D. in Pharmaceutical Analysis (2007) Faculty of Pharmacy, University of Athens
- MSc in Pharmaceutical Analysis (2001) Faculty of Pharmacy, University of Athens
- B.Sc. in Pharmacy (1999) Faculty of Pharmacy, University of Athens

Appointments:

- 2015 – today : Assistant Professor, Faculty of Pharmacy, University of Athens
- 2012 - 2015 : Lecturer, Faculty of Pharmacy, University of Athens
- Post-doc research in Pharmaceutical Analysis (2007-2011) Faculty of Pharmacy, University of Athens & Faculty of Pharmacy, University of Belgrade

Teaching Activities: (current)

Undergraduate courses

- Laboratory of Pharmaceutical Analysis
- Drug Stability
- Pharmaceutical Analysis II

Postgraduate courses

- Advanced Pharmaceutical Analysis I
- Clinical Pharmaceutical Analysis
- Drug Stability
- Statistics-Chemometrics

Supervisor of 16 MSc dissertations and 5 PhD thesis

Non teaching/Research Activities:

- Coordinator for MSc “Pharmaceutical Analysis – Quality Control”
- Responsible of exams for the course of Pharmaceutical Analysis for candidates recognition diplomas through DOATAP
- Member of the Committee for course of study

Research Interests/Activities: (last 10 years)

- Drug Analysis, Bioanalysis, Dried Blood spots
- Chemometrics
- LC-MS/MS
- Bioequivalence studies
- Immunoassays
- Neonatal screening
- Pharmacogenetics

Scientific Publications/Citations:

- 69 publications in refereed journals
- 55 participations in scientific conferences
- 11 invited lectures
- 2 book chapters
- More than 830 hetero-citations (H-index 20, google scholar h-index 21)

Top seven publications

- ‘Efficient Determination and Evaluation of Model Cyclodextrin Complex Binding Constants by Electrospray Mass Spectrometry’, Y. Dotsikas and Y.L. Loukas, **J. Am. Soc. Mass Spectrom.** 14 (2003) 1123-1129
- ‘Development of a rapid liquid chromatography tandem mass spectrometry method for the determination of lisinopril, applicable for a bioequivalence study, employing a 96-well format solid phase extraction protocol’, C. Kousoulos, G. Tsatsou, Y. Dotsikas and Y. L. Loukas, **Anal. Chim. Acta** 551 (2005) 177-183
- ‘Employment of 4-(1-imidazolyl)phenol as a luminol signal enhancer in a competitive – type chemiluminescence immunoassay and its comparison with the conventional antigen – horseradish peroxidase conjugate based assay’, Y. Dotsikas and Y.L. Loukas, **Anal. Chim. Acta** 509 (2004) 103-109

- 'Clinical validation of cutoff target ranges in newborn screening of metabolic disorders by tandem mass spectrometry: A worldwide collaborative project', D. M.S. McHugh, et al, **Genet. Med.** 13 (2011) 230-254
- 'Quantitation of pregabalin in Dried Blood Spots and Dried Plasma Spots by validated LC-MS/MS methods', N. Kostić, Y. Dotsikas, N. Jović, G. Stevanović, A. Malenović, M. Medenica, **J. Pharm. Biomed. Anal.** 109 (2015) 79-84
- 'Liquid Chromatography coupled to Quadrupole-Time of Flight Tandem Mass Spectrometry based Quantitative Structure-Retention Relationships of amino acid analogues derivatized via n-propyl chloroformate mediated reaction', N. Kritikos, A. Tsantili-Kakoulidou, Y.L. Loukas, Y. Dotsikas, **J. Chromatogr. A** 1403 (2015) 70-80
- 'Analysis of potential genotoxic impurities in rabeprazole active pharmaceutical ingredient via Liquid Chromatography-tandem Mass Spectrometry, following quality-by-design principles for method development', K. Iliou, A. Malenović, Y.L. Loukas, Y. Dotsikas, **J. Pharm. Biomed. Anal.** 149 (2018) 410-418

REVIEWER IN THE FOLLOWING SCIENTIFIC JOURNALS

- J. Pharm. Sci.
- Acta Chromatogr.
- J. AOAC Int.
- Chromatographia
- J. Immunoassay Immunochem.
- J. Liq. Chromatogr. RT
- Bioanalysis
- J. Pharm. Biomed. Anal.
- Instrum. Sci. Technol.
- J. Chromatogr. Sci.
- Chromatogr. Res. Int.
- Adv. Chem.
- Future Science Group (Advanced LC-MS applications in bioanalysis, ebook)
- J. Photochem. Photobiol. A: Chemistry
- Archiv of Pharmacy
- J. Pharm. Anal.
- J. Chromatogr. A
- J. Chromatogr. B
- Biomed. Chromatogr.
- J. Planar Chromatogr. – Modern TLC
- Arab. J. Chem.
- SpringerPlus

- J. Pharmaceut.
- Molecules
- J. Sep. Sci.
- Sci. Pharm.
- Sep. Sci. Plus
- Case Reports in Perinatal medicine
- Fitoterapia
- Anal. Methods
- Anal. Chem.
- Anal. Bioanal. Chem.
- Anal. Chem. Lett.
- Int. J. Neonat. Screen.
- Drug Res.
- Medicina

Distinctions:

- 1997 : Fellowship, Faculty of Pharmacy, University of Athens
- 2013 Guest Co-Editor in a Special Issue in Chromatographia

Other Activities:

- Member of the Greek Pharmaceutical Society (EFE)
- Member in (Region 4 Genetics Collaborative project "Laboratory quality improvement of newborn screening by MS/MS"). Coordinator: Dr. P. Rinaldo, Mayo Clinic Biochemical Genetics Laboratory Rochester, Minnesota
- Member of the Hellenic Mass Spectrometry Society (HMSS)
- Member of the Greek federation of Pharmacists (PEF)
- Member of the Hellenic Society of Medicinal Chemistry (HSMC)