



### Michael A. Koupparis

**Title:** Emeritus Professor of Analytical Chemistry – Pharmaceutical Analysis

**Sector:** Analytical, Physical and Theoretical Chemistry (Sector I)

**Phone:** +30 2107274559 (office), +30 6977407625

**E-mail:** [koupparis@chem.uoa.gr](mailto:koupparis@chem.uoa.gr)

#### Academic Qualifications:

- Ph.D in Chemistry (1978), University of Athens (UoA)
- B.Sc. in Pharmacy (1973), UoA

#### Appointments:

- 2017 -: Emeritus Professor, Chemistry Dept., UoA
- 1994-2017: Professor, Chemistry Dept, UoA
- 1990-1994: Associate Professor, Chemistry Dept. UoA
- 1987-1994: Assistant Professor, Chemistry Dept., UoA
- 1982-1987: Lecturer, Chemistry Dept., UoA
- 1979-1982: Instructor, Chemistry Dept. UoA
- 1978-1979; 1981: Post-Doctoral Research Associate, Chemistry Department, University of Illinois at Urbana – Champaign (USA)
- 1975-1979: Assistant, Chemistry Dept. Uoa
- 1973-1975: Research Associate. Chemistry Dept. UoA

#### Teaching Activities: (current)

##### Postgraduate courses

- Advanced Analytical Chemistry (Separation and Chromatographic Techniques, Spectrochemical Techniques)
- Statistics and Chemometrics
- Quality Management Systems – ISO/IEC 17025
- Quality Control of Drugs
- Completed: > 70 M.Sc.Theses
- Completed: > 30 Ph.D. Theses

#### Research Interests/Activities: (last 10 years)

- Potentiometry with Ion Selective Electrodes
- Flow Injection Analysis (FIA)
- Pharmaceutical Analysis
- Binding Studies of micromolecules (drugs) with macromolecules (proteins, cyclodextrins)
- Immunochemical Analysis
- High Performance Liquid Chromatography, LC-MS
- Ion – Chromatography
- Quality Control – Quality Assurance
- Bioequivalent Studies

#### Scientific Publications/Citations:

- > 180 publications in refereed journals
- 14 review articles
- 153 presentations in conferences
- 3 Text – books
- Citations: 4303

#### Top five publications

- A.GREMILOGIANNI, N.MEGOULAS, M.KOUPPARIS: "Hydrophilic Interaction vs Ion Pair Liquid Chromatography

for the Determination of Streptomycin and Dihydrostreptomycin Residues in Milk Based on Mass Spectrometric Detection", *Journal of Chromatography A*, **1217**, 6646-6651 (2010).

- A.FRAGKAKI, E.FARMAKI, N.THOMAIDIS, A.TSANTILIKAKOULIDOU, Y.ANGELIS, M.KOUPPARIS, C.GEORGAKOPOULOS: "Comparison of Multiple Linear Regression, Partial Least Squares and Artificial Neural Networks for the Prediction of Gas Chromatographic Relative Retention Times of Trimethylsilylated Anabolic Androgenic Steroids", *Journal of Chromatography A*, **1256**, 232-239 (2012).
- Th.PAPAKONDYLI, A.GREMILOGIANNI, N.MEGOULAS, M.KOUPPARIS: "A novel derivatization method for the determination of Fosfomycin in human plasma by liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometric detection via phase transfer catalyzed derivatization", *Journal of Chromatography A*, **1332**, 1-7 (2014).
- A. Charalampous, G. Miliadis, M. Koupparis: "A New Multiresidue Method for the Determination of Multiclass Pesticides, degradation Products and PCBs in Water Using LC-MS/MS and CG-MS<sup>(n)</sup>", *International Journal of Environmental Analytical Chemistry*, **95**(13), 1283-1298 (2015).
- G. Liapatas, C. Kousoulos, M. Koupparis: "LC-Ion trap-MS Method for the Determination of Fluconazole in Plasma for Bioequivalence Studies of Pharmaceutical Formulations Using Semi-Automated Sample Handling", *Journal of Liquid Chromatography & Related Technologies*, **38**(20), 1808-1814 (2015).

#### Selected Distinctions:

#### Projects and Academic Activities:

- Director of the Laboratory of Analytical Chemistry: 2015-2017
- Chairman of the Pharmacopoeia Committee of the Greek National Organization of Drugs, 2011- .
- Scientific coordinator of the program "Practical Training" of the Greek Ministry of Education for chemistry students in industries and organizations, 1997-2017
- Director of Master Degree Program "Chemical Analysis – Quality Control of the Department of Chemistry, University of Athens (-2017)
- Lead Assessor of the Hellenic Accreditation System (ESYD) 1997-2017)
- Director of the accredited (ISO 17025) Service Laboratory "Chemical Analysis – Quality Control" of the Department of Chemistry, University of Athens (-2017).