



EVAGELOS GIKAS

Professor

LABORATORY OF ANALYTICAL CHEMISTRY, DEPARTMENT OF CHEMISTRY, NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

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**2090** citations (H-index 24)

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## EDUCATION

**2000** Ph.D. in Pharmacy, Dept. of Pharmacy, National and Kapodistrian University of Athens (UoA)

**1996** Pharmacist by license

**1993** B.Sc. in Pharmacy (1993), Dept. of Pharmacy, University of Patras

## APPOINTMENTS

**2020 – today** Professor, Dept. of Chemistry, National and Kapodistrian University of Athens

**2013-2020** Assistant Professor in Pharmaceutical Analysis, National and Kapodistrian University of Athens, Department of Pharmacy

**2008 - 2013** Lecturer in Pharmaceutical Analysis, National and Kapodistrian University of Athens, Department of Pharmacy

**2005 – 2007** Lecturer 407 in Pharmaceutical Analysis, Department of Pharmacy, University of Patras

**2001 – 2008** Principal investigator Bioanalytical Department - GAIA research centre

## RESEARCH FIELDS

- Metabolomics
- Lipidomics
- New methodologies for the chemometric treatment of metabolomics data
- Basic research in mass spectrometry
- Development of new chemometric methodologies for/and validation of quantitation methodologies in bulk drug and biological fluids and tissues
- Metabolism, stability of drugs and formulations
- Total quality control of herbal pharmaceuticals
- Applications of multivariate analysis and experimental design in analytical chemistry
- Synthesis of fluorogenic reagents, synthesis of packing materials for frontal affinity chromatography coupled to mass spectrometry (FAC-MS)
- Quantum chemical studies of materials designed for fluorescence derivatization reagents using DFT, ab-initio
- Molecular dynamics and high-level CASFF calculations

## EDUCATIONAL EXPERIENCE

## UNDERGRADUATE COURSES

- Analytical Chemistry II (Instrumental Analysis)

## POST-GRADUATE COURSES

- Bioanalytical methods of Analysis – Clinical Pharmaceutical Analysis
- Computational Chemometrics

## REVIEWER OF SCIENTIFIC JOURNALS

- Planta Medica Journal of Pharmaceutical and Biomedical An...
- Molecules
- Journal of Chromatography B
- Journal of Agricultural and Food Chemistry
- Journal of Liquid Chromatography & Related T...
- Analytica Chimica Acta
- Talanta
- Biomedical Chromatography
- Fitoterapia
- Antimicrobial Agents and Chemotherapy
- European Heart Journal
- American Journal of Perinatology
- Computational and Theoretical Chemistry
- Journal of Chromatography A
- International Journal of Molecular Sciences
- Scientific Reports
- Metabolites
- Journal of Molecular and Cellular Cardiology
- Phytochemistry Letters
- Food Chemistry
- Pharmacological Research
- Phytochemical Analysis
- Nitric Oxide - Biology and Chemistry
- Separation and Purification Technology
- Plos One
- Blood
- Journal of Medicinal Chemistry
- Rapid Communications in Mass Spectrometry
- Desalination and Water Treatment
- Infection
- International Journal of Environmental Analyti...
- Analytical Letters
- Hellenic Journal of Cardiology: HJC = Hellenik...
- International Journal of Antimicrobial Agents
- Food Analytical Methods
- Journal of Separation Science
- Journal of AOAC International
- Free Radical Biology and Medicine
- Stress: the Internatinal Journal on Biology of ...
- Dyes and Pigments
- Cells
- Journal of Drug Delivery Science and Technolo..

## AWARDS / SCHOLARSHIPS

- Best research work in 62<sup>nd</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research - GA2014, 31st August - 4th September 2014, University of Minho, Campus of Azurém, Guimarães, Portugal
- Best research work in 59<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research September 4 - 9, 2011 Antalya, Turkey,
- Best article of the month. Development of a Rapid and Sensitive SPE-LC-ESI MS/MS Method for the Determination of Chloramphenicol in Seafood, Evangelos Gikas, PigiKormali,§ Despina Tsiipi, and Anthony Tsarbopoulos, J. Agric. Food Chem., 2004, 52 (5), pp 1025–1030

#### ADDITIONAL INFORMATION

- 98 publications in journals with peer review
- 105 conference presentations
- Supervision of doctoral thesis:12
- Supervision of graduate students: 28
- Supervision of undergraduate students:
- Reviewer in Research Programs:ΓΓΕΤκαιIKY

#### RESEARCH GRANDS

15 Ελληνικά και Ευρωπαϊκά προγράμματα μεταξύ των οποίων LIVE/ENVκαι FP7/people

#### SELECTED (link OF PUBLICATIONS)

- Mineralocorticoid Receptor Pathway Is a Key Mediator of Carfilzomib-inducedNephrotoxicity: Preventive Role of EplerenoneHemaSphere 6(11):p e791, November 2022.<http://www.DOI.org/10.1097/HS9.0000000000000791>
- An Untargeted Metabolomics Approach on Carfilzomib-Induced Nephrotoxicity, Molecules, **2022**, 27, 7929, <https://www.mdpi.com/1420-3049/27/22/7929#>
- From By-Products to Fertilizer: Chemical Characterization Using UPLC-QToF-MS via Suspect and Non-Target Screening Strategies, Molecules 2022, 27, 3498, <https://www.mdpi.com/1420-3049/27/11/3498#>
- Plasma Metabolomic Alterations Induced by COVID-19 Vaccination Reveal Putative Biomarkers Reflecting the Immune Response, Cells 2022, 11, 1241,<https://doi.org/10.3390/cells11071241>
- Chemometrically Assisted Optimization of Pregabalin Fluorescent Derivatization Reaction with a Novel Xanthone Analogue and Validation of the Method for the Determination of Pregabalin in Bulk via a Plate Reader, Molecules 2022, 27, 1954, <https://doi.org/10.3390/molecules27061954>