



NAME Emmanuel Mikros

Title: Professor

Sector: Division of Pharmaceutical Chemistry

Phone: +30 2107274813 (office)

Fax: + 30 2107274747 (office)

E-mail : mikros@pharm.uoa.gr Web page :

https://en.pharm.uoa.gr/personnel/faculty_members/pharmaceutical_chemistry/mikros_emmanuel/

Academic Qualifications:

- 1988: Ph.D. (Organic Chemistry) Université PARIS XI, Orsay, France
- 1984: M.Sc. (Organic Chemistry) Université PARIS XI, Orsay, France
- 1983: Diploma (Chemistry) NKUA.

Appointments:

- 2017 Invited Professor University of Vienna
- 2013 Invited Professor Institut de Chimie de Nice
- 2010- Professor, Pharmaceutical Chemistry Division, Dept. of Pharmacy, Univ. of Athens
- 2003-2010 Associate Professor, Pharmaceutical Chemistry Division, Univ. of Athens
- 1995-2003 Assistant Professor, Pharmaceutical Chemistry Division, Univ. of Athens.
- 1996 Research Fellow, Institut für Chemie Medizinische Universität zu Lübeck, Germany (Prof. Th. Peters)
- 1994, 1993 Research Fellow, Ingénierie Moléculaire, INRA, Centre de Recherches de Nantes (Dr S. Perez)
- 1992 Research Fellow Bioorganic and Spectroscopic Section, National Cancer Research Institute, France (Prof. Antonakis)
- 1991-1995 Lecturer, Pharmaceutical Chemistry Division, Univ. of Athens.
- 1989-1991 Research Fellow, Pharmaceutical Chemistry Division, Univ. of Athens.
- 1988-1989 Chemist (Military Service), Chemistry Lab. Hellenic Air Force Research Center. Athens
- 1987 Dept. of Chemistry, Swarthmore College, Pennsylvania, USA., Prof. R. Pasternack

Teaching Activities: (current)

- 2004- Inorganic Pharmaceutical Chemistry 1st year Pharmacy.
- 1991- Organic Spectroscopy 2nd year Pharmacy and M.Sc.
- 2010- Drug Design and Spectroscopy Laboratory training 3rd year Pharmacy
- 1989- Pharmaceutical Analysis Laboratory training of 4th year Pharmacy.
- 2015- Drug Design, 4th year Pharmacy and MSc for Pharmacy and Biology students
- **Post Graduate Supervising** 9 Ph.D., 21 MSc.

Research Interests/Activities: (last 10 years)

- Molecular Structure Analysis of natural products and biologically active molecules using N.M.R. spectroscopy and Molecular Simulations
- Drug Design, In Silico screening
- NMR based Metabolomics

Scientific Publications/Citations:

- Publications : 155

- Invited speaker in 49 international and national meetings and universities
- 3 Book Chapters
- 3 reviews
- Citations: 4700, h-index : 35

Top five publications

- 1H NMR-MS-based heterocovariance as a drug discovery tool for fishing bioactive compounds out of a complex mixture of structural analogues. Grienke U, Foster PA, Zwirchmayr J, Tahir A, Rollinger JM, Mikros E. *Sci Rep.* (2019), 9:11113.
- Tandem virtual screening targeting the SRA domain of UHRF1 identifies a novel chemical tool modulating DNA methylation V Myriantopoulos, PF Cartron, Z Liutkevičiūtė, S. Klimašauskas, D. Matulis, C. Bronner, N. Martinet, E. Mikros, *Eur J Med Chem*, 2016, 114, 390-396
- Discovery and optimization of a selective ligand for the Switch/Sucrose Non-Fermenting-related bromodomains of Polybromo protein-1 by the use of virtual screening and hydration analysis." V Myriantopoulos, N Gaboriaud-Kolar,; C Tallant,; M Hall, ; S Grigoriou,; P Brownlee,; O Fedorov, C Rogers,; D Heidenreich, M Wanior, N Drosos, N Mexia, P Savitsky, T Bagratuni, E Kastiris, E Terpos, P Filippakopoulos, S Müller, A-L Skaltsounis, J Downs, S Knapp, E Mikros, *J. Med. Chem.*, (2016), 59 8787–8803
- Structure of eukaryotic purine/H⁺ symporter UapA suggests a role for homodimerization in transport activity Y Alguel, S Amillis, J Leung, G Lambrinidis, S Capaldi, N.J Scull, G Craven, S Iwata, A . Armstrong, E Mikros, G Diallinas, A.D Cameron, Byrne, B. *Nat. Com.*, (2016)
- H-1 NMR Metabonomic Analysis in Renal Cell Carcinoma: a Possible Diagnostic Tool Zira, AN; Theocharis, SE; Mitropoulos, D; Migdalis V; Mikros E. *J. Prot. Res.* (2010), 9, 4038-4044

Selected Distinctions:

- Fellowships: •DAAD (Germany) 1996 •Marie Curie Fellowship (European) 1994 •CIES (France) 1993 •Nat. Found. Sch. (IKY Greece) 1985-88

Projects and Academic Activities:

- Participation in more than 20 Research and Educational funded projects by National and EU organisms
- Expert Evaluator for: GSRT (Greece), ResPromFound. (RPF) Cyprus, Danish Council, EU COST, Ind. Res. Poland, Czech Republic.
- Associate editor Frontiers in Molecular Biosciences Section Metabolomics (IF 4.2)
- Reviewer in International Scientific Journals (more than 130): J.Am.Chem.Soc., J.Med.Chem., J.Agr.Food.Chem., J.Org. Chem., Lett.Pept.Sc., Anal.Chem., Sci. Rep., Anal.Chim.Acta, Peptides