



Julia Atta - Politou

Title: Associate Professor on Analytical Chemistry – Pharmaceutical and Toxicological Analysis

Sector: Physical and Analytical Chemistry

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Academic Qualifications:

- Ph.D. in Pharmacy (1979) Dept. of Pharmacy, University of Athens
- B.Sc. in Pharmacy (1975) Dept. of Pharmacy, University of Athens

Appointments:

- August 2006 - today: Associate Professor, Lab. of Analytical Chemistry, Chemistry Department, University of Athens
- August 1999 - August 2006: Assistant Professor, Lab. of Analytical Chemistry, Chemistry Department, University of Athens
- August 1990 - August 1999: Assistant Professor, Lab. of Forensic Medicine and Toxicology School of Medicine, University of Athens
- July 1982 - August 1990: Lecturer, Lab. of Forensic Medicine and Toxicology, School of Medicine, University of Athens
- University of Leiden, Department of Pharmacy, Lab. of Pharmacology, The Netherlands, Post – Doctoral Research Associate, (6 months), 1984
- Academic Hospital of Leiden, Lab. of Toxicology, The Netherlands, Post – Doctoral Research Associate, (6 months), 1983-1984
- November 1979 – July 1982: Epimelitria, Lab. of Forensic Medicine and Toxicology, School of Medicine, University of Athens

Teaching Activities: (current)

Undergraduate courses

- Analytical Chemistry I , Laboratory Practice, Students of Pharmacy
- Analytical Chemistry II (Instrumental Analysis), Laboratory Practice, Students of Pharmacy
- Analytical Chemistry II (Instrumental Analysis), teaching, Students of Pharmacy
- Introduction to Toxicology – Ecotoxicology, Students of Chemistry

Postgraduate courses

- Clinical Chemistry II, (Chapters:Therapeutic Drug Level Monitoring, Analytical Toxicology, Pharmacokinetics) to the postgraduate program “Clinical Chemistry”, Chemistry Department, University of Athens
- Clinical Chemistry (Chapters:Therapeutic Drug Level Monitoring, Analytical Toxicology, Pharmacokinetics), to the postgraduate program Clinical Biochemistry – Molecular Diagnostics, Collaborative program, Biology Department, Chemistry Department, Nursery Department.
- Bioanalytical Techniques, to the postgraduate program “Chemical Analysis – Quality Control”, Chemistry Department, University of Athens

Research Interests/Activities: (last 10 years)

- Pharmaceutical Analysis, Quality control of drugs
- Biopharmaceutical Analysis (Development and optimization of new analytical methods for the determination of drugs (or xenobiotics) and their metabolites in biological fluids)
- Toxicological Analysis
- In vitro adsorption studies of several drugs onto activated charcoal with applications to the treatment of acute drug intoxications
- Doping control
- High Performance Liquid Chromatography, UV - Vis spectrophotometry, Ion selective electrodes

potentiometry, Mass Spectrometry

Scientific Publications/Citations:

- 41 publications in refereed scientific journals
- 26 publications in greek scientific journals
- 18 refereed international conference publications
- 32 greek conference publications
- More than 232 citations (h-index = 9, the h-index considers Scopus articles published after 1995)
- Author/co-author of four book chapters

Top five publications

- Development of a potentiometric kinetic method for drug adsorption studies: The chlorpromazine-charcoal model case. J. Atta-Politou, M. Koupparis and P. Macheras. European Journal of Pharmaceutical Sciences, 4, 223-230, 1996.
- An in vitro evaluation of fluoxetine adsorption by activated charcoal and desorption upon addition of polyethylene glycol electrolyte lavage solution. J. Atta-Politou*, M. Kolioliou, M. Havariotou, A. Koutselinis, M.A. Koupparis. Journal of Toxicology - Clinical Toxicology, 36 (1 & 2), 117-124, 1998.
- In vitro study on fluoxetine adsorption onto charcoal using potentiometry. J. Atta-Politou*, I. Skopelitis, I. Apatsidis, M. Koupparis. European Journal of Pharmaceutical Sciences, 12, 311-319, 2001.
- Development and validation of a liquid chromatographic / electrospray ionization mass spectrometric method for the quantitation of prazepam and its main metabolites in human plasma. P. Valavani, J. Atta-Politou, I. Panderi. Journal of Mass Spectrometry, 40 (4), 516–526, 2005.
- Development and validation of an EI-GC- MS method for the determination of methadone and its major metabolites (EDDP and EMDP) in human breast milk. P. Nikolaou, I. Papoutsis, C. Maravelias, C. Spiliopoulou, C. Pistos, A. Calokerinos and J. Atta- Politou. Journal of Analytical Toxicology, 32, 478-484, 2008.

Distinctions:

- "1st Presentation Award" from the 3rd Panhellenic Congress of Legal Medicine and Toxicology, Heraclion -Crete, 6 – 10 November 2002.
- Fellowship from the European Science Foundation (1982).

Other Activities:

- Member of the Drug Approval Committee (1983-1987) and of the Scientific Committee for the National Formulary of the National Drug Organization, (1989-1992).
- Member of the Narcotics Committee of the Ministry for Health (1985 - 1986).
- Member of the Scientific Committee of the Panhellenic Association of Pharmacists (1988-1990).
- Representative of the National Drug Organization to the Safety Working Party for Medicinal Products of the European Community (1989-1995).
- Member of the Scientific Committee of the 33rd International Congress on Forensic (TIAFT) and 1st on Environmental Toxicology (Gretox 1995), Thessaloniki 27-31 August 1995.
- Member of the Scientific and/or the Organizing Committee of the 1st-6th Panhellenic Congresses of Legal Medicine and Toxicology.
- Reviewer of the scientific Journals: Journal of Pharmaceutical and Biomedical Analysis, Journal of AOAC International, Pharmacological Research.
- Expert on topics of Analytical Toxicology of ESYD (Hellenic Accreditation System) (2003 – today)
- Certificate for the use of the title of the "European Registered Toxicologist (ERT)" from the EUROTOX (Federation of European Toxicologists and European Societies of Toxicology) among the first 9 Greek Toxicologists who were nominated as European Registered Toxicologist (ERT) (2012).