

ANASTASIOS ECONOMOU

Assistant Professor

LABORATORY OF ANALYTICAL CHEMISTRY, NATIONAL AND KAPODISTRIAN
UNIVERSITY OF ATHENS

Email: aeconomou@chem.uoa.gr

ORCID: 0000-0003-4590-9261

Google scholar:

<https://scholar.google.gr/citations?user=D0ky8GgAAAAJ&hl=en>, 8673 citations
(H-index 52)

SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=35917277500>

Tel.: +30 210-7274298

EDUCATION

1988	BSc at the Department of Chemistry, University of Athens, Greece
1989	MSc in Analytical Chemistry and Chemical Instrumentation at the Department of Instrumentation and Analytical Science, UMIST
1993	PhD in Analytical Chemistry at the Department of Instrumentation and Analytical Science, UMIST, UK

APPOINTMENTS

November today:	2017- Professor, Dpt. of Chemistry, University of Athens
May 2007-October 2017	Associate Professor, Dpt. of Chemistry, University of Athens
April 2007-March 2012:	Assistant Professor, Dpt. of Chemistry, University of Athens
January 2005-March 2007:	Analyst, General Chemical State Laboratory
September 2000-December 2004	Lecturer, Chemistry Department, University of Thessaloniki
April 1999-August 2000	Research Associate in the Athens Wine Institute, N.AG.RE.F
November 1999-November 2000	Research Associate, Dpt. of Chemistry, University of Athens
January 1997-July 1997	Research Associate, Dpt. of Chemistry, University of Athens
April 1993-December 1996	Research Associate, Dept. of Instrumentation and Analytical Science, University of Manchester

RESEARCH FIELDS

- Electrochemistry
- Chemiluminescence
- Automated methods of analysis
- Chemical Instrumentation
- Separation techniques
- Chemometrics

EDUCATION EXPERIENCE

UNDERGRADUATE COURSES

- Instrumental Analysis (Electrochemistry, Course and Lab)
- Chemical Instrumentation (Course and Lab)
- Modern Analytical Techniques (Course and Lab)

POSTGRADUATE COURSES

- Advanced Analytical Chemistry-Electrochemistry
- Automated Methods Of Analysis

REVIEWER OF SCIENTIFIC JOURNALS

- More than 300 papers in >30 analytical chemistry journals

AWARDS AND SCHOLARSHIPS

- Gordon Kirkbright Award, UMIST 1995
- RSC Journal Grant for International Authors 1998
- National Scholarships Foundation (IKY) postdoctoralScholarship 1999
- EPSRC and SAC Scholarships 1989-1993
- Empirikeion Foundation Awards 1999, 2009

ADDITIONAL INFORMATION

- 155 publications in journals with peer review
- >140 conference presentations
- 16 invited book chapters in collective volumes
- Supervision of doctoral thesis: 6
- Supervision of graduate students: 20
- Supervision of undergraduate students: 40
- Reviewer in Research Programs: 6

RESEARCH GRANDS

Participation in 12 Research Projects

SELECTED PUBLICATIONS

- “Paper-Based Microfluidic Device with Integrated Sputtered Electrodes for Stripping Voltammetric Determination of DNA via Quantum Dot Labeling”, Christos T. Kokkinos, Dimosthenis L. Giokas, Anastasios S. Economou, Panagiota S. Petrou, Sotirios E. Kakabakos, *Anal. Chem.*, 90, 2018, 1092–1097
- “Integrated on-chip sensor with sputtered Ag-Au-Au electrodes for the voltammetric determination of trace Hg(II)”, Elena Roditi, Maria Tsetsoni, Christos Kokkinos, Anastasios Economou, *Sensors & Actuators: B. Chemical*, 286, 2019, 125–130.
- “Multiplexed mycotoxins determination employing whitelight reflectance spectroscopy and silicon chips with silicon oxide areas of different thickness”, Vasileios Anastasiadis, Georgios Koukouvinos, Panagiota S. Petrou*, Anastasios

Economou, James Dekker, Mikko Harjanne, Paivi Heimala, Dimitris Goustouridis, Ioannis Raptis, Sotirios E. Kakabakos, *Biosensors and Bioelectronics*, 153, 2020, 112035.

- “Flexible microfabricated film sensors for the in situ quantum dot-based voltammetric detection of DNA hybridization in microwells”, C. Kokkinos*, A. Economou, T. Speliotis, P. Petrou, S. Kakabakos, *Anal. Chem.*, 87, 2015, 853-857
- “A linear gradient sequential injection chromatography method exploiting programmable fluidics for the determination of three methylxanthines”, Parthena Chorti, Melina Ntousikou, Anastasios Economou, *Talanta*, 202, 2019, 514–519.