

# ANASTASIOS ECONOMOU



Professor

LABORATORY OF ANALYTICAL CHEMISTRY, NATIONAL AND KAPODISTRIAN  
UNIVERSITY OF ATHENS

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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>

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## EDUCATION

|      |   |
|------|---|
| 1988 | BSc at the Department of Chemistry, National and Kapodistrian 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 2017- today:         | Professor, Dpt. of Chemistry, National and Kapodistrian University of Athens                  |
| May 2007-October 2017         | Associate Professor, Dpt. of Chemistry, National and Kapodistrian University of Athens        |
| April 2007-March 2012:        | Assistant Professor, Dpt. of Chemistry, National and Kapodistrian 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, National and Kapodistrian University of Athens         |
| January 1997-July 1997        | Research Associate, Dpt. of Chemistry, National and Kapodistrian 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

## TEACHING 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
- EPSCR 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: 8
- 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.