



**Nikolaos S. Thomaidis**

**Title:** Professor of Analytical Chemistry

**Sector:** Analytical, Physical and Theoretical Chemistry (Sector I)

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**Academic Qualifications:**

- Ph.D. in Chemistry (1996), Chemistry Dept., University of Athens (UoA)
- B.Sc. in Chemistry (1991), Chemistry Dept., UoA

**Appointments:**

- 2018: Professor, Chemistry Dept., UoA
- 2013 – 2017: Associate Professor, Chemistry Dept., UoA
- 2008 - 2013: Assistant Professor, Chemistry Dept., UoA
- 2003 - 2008: Lecturer, Chemistry Dept., UoA
- 2001 - 2003: General Chemistry State Laboratory
- 1999 – 2001: Residue Analysis Laboratory in Foodstuff of Animal Origin (National Reference Laboratory), Ministry of Agriculture
- 1998: Visiting Researcher, MiTAC, Dep. Of Chemistry, Universitaire Instelling Antwerpen (U.I.A), Belgium
- 1998 - 2003: Visiting Assist. Professor and Research Associate, Dep. of Environment, University of the Aegean

**Teaching Activities: (current)**

Undergraduate courses

- Instrumental Analysis II (course/lab)
- Instrumental Analysis I (lab)
- Advanced Analytical Techniques
- Quality Assurance and Accreditation

Completed: >50 Diploma Theses

Postgraduate courses

- Advance Analytical Chemistry
- Quality Management Systems – ISO/IEC 17025
- Quality control of Food
- Quality control of the Environment
- Quality control of Materials

Completed: >75 M.Sc. theses

Completed: 18 Ph.D. theses - 18 Post-Doctoral researchers

**Research Interests/Activities: (last 10 years)**

- High Resolution Mass Spectrometry: targeted and non-targeted screening determinations
- Electrospray and Chemical Ionization in Mass Spectrometry
- Emerging contaminants and (bio)transformation products
- Hydrophilic Interaction Liquid Chromatography (HILIC)
- Chemometrics (supervised and unsupervised techniques)

**Scientific Publications/Citations:**

- >200 publications in refereed journals
- >20 invited talks in national and international conferences
- 6 invited review papers in international journals
- 15 invited book chapters in collective volumes
- >8000 citations (H-index >45)

**Top five publications**

- D. E. Damalas, A. A. Bletsou, A. Agalou, D. Beis, N. S. Thomaidis "Assessment of the acute toxicity, uptake and

biotransformation potential of benzotriazoles in zebrafish (*Danio Rerio*) larvae, combining HILIC- with RPLC-HRMS for high throughput identification" *Environmental Science & Technology*, **2018**, 52, 6023–6031.

- N. S. Thomaidis, P. Gago-Ferrero, C. Ort, N. C. Maragou, N. A. Alygizakis, V. L. Borova, M. E. Dasenaki "Reflection of socio-economic changes in wastewater: licit and illicit drug use patterns" *Environmental Science & Technology*, **2016**, 50, pp 10065–10072.
- R. Aalizadeh, N. S. Thomaidis, A. A. Bletsou, P. Gago-Ferrero, "Quantitative structure-retention relationships models to support non-target high resolution mass spectrometric screening of emerging contaminants in environmental samples" *Journal of Chemical Information and Modeling*, **2016**, 56(7), 1384–1398.
- P. Gago-Ferrero, E. L. Schymanski, A. A. Bletsou, R. Aalizadeh, J. Hollender, N. S. Thomaidis, "Extended suspect and non-target strategies to characterize emerging polar organic contaminants in raw wastewater with LC-HRMS/MS" *Environmental Science & Technology*, **2015**, 49, 12333–12341
- A. A. Bletsou, J. Jeon, J. Hollender, E. Archontaki, N. S. Thomaidis, "Targeted and non-targeted LC mass spectrometric workflows for the identification of transformation products of emerging pollutants in the aquatic environment" *Trends in Analytical Chemistry*, **2015**, 66, 32-44.

**Selected Distinctions:**

- Highly cited author award (2007-2009) of Journal of Chromatography A, 2010
- Three awards at Recent Advances on Food Analysis (RAFA), Prague, CZ (R.W. Frei Award in 2007, CAMO award in 2009, Agilent award in 2011)
- Two fellowships from IAEAC (1999, 1995), two from RSC (1995, 1994) and three national scholarships (IKY: 1999, 1991 and Vostanio Foundation: 1986)

**Projects and Academic Activities:**

- Coordinator of 42 projects and research associate in 9. Total funding in UoA: >7 M€
- Development of infrastructure in the Lab. Anal. Chem.: TIMSTOF, LC-QTOFMS, GC-APCI-QTOFMS, LC-MS/MS, LC-MS, GC-MS/MS, GC-MS, 4 GC, 2 HPLC, 3 ETAAS, 1 NP-AES, MW digestion/extraction, ultrasound baths, SPE devices.
- Project reviewer and panel member in ESF, EU COST, and ten Research Councils worldwide and reviewer for >70 international journals covered by ISI
- Member of the Advisory Board of *Analytical Methods*; Associate Editor of *GNEST Journal*; Associate Editor of *Analytical Letters*; Guest Editor of *Journal of Hazardous Materials*, *Chemosphere* and *Analytica Chimica Acta*
- Conferences organization: Chairman (AACD, 2010, 2014, 2018 & Metal Speciation Symposium, 1999), Convener of special sessions in CEST series.