



### 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: >75 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: >110 M.Sc. theses, 20 Ph.D. theses, 15 post-Doctoral researchers

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

- High Resolution Mass Spectrometry: targeted and non-targeted screening for omics applications
- Foodomics and Food Authenticity studies
- Emerging contaminants and (bio)transformation products
- Wastewater based Epidemiology
- Chemometrics (supervised and unsupervised techniques)

#### Scientific Publications/Citations:

- >300 publications in refereed journals
- >25 invited talks in national and international conferences
- 6 invited review papers in international journals
- 17 invited book chapters in collective volumes
- >10.000 citations (H-index >58)

#### 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.
- Natasa P. Kalogiouri, Reza Aalizadeh, Nikolaos S. Thomaidis "Application of an advanced and wide scope non-target screening workflow with LC-ESI-QTOF-MS and chemometrics for the classification of the Greek olive oil varieties" *Food Chemistry*, **2018**, 256, 53–61.
- 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

#### Selected Distinctions:

- Top Downloaded Paper in Addiction, 2018-2019
- Highly cited author award (2007-2009) of Journal of Chromatography A, 2010
- Four awards at Recent Advances on Food Analysis (RAFA), Prague, CZ (R.W. Frei Award in 2007, CAMO award in 2009, Agilent award in 2011, CAMO award in 2019)
- Two fellowships from IAEA (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.: TIMSTOFPro, 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.