



MARILENA E. DASENAKI

Title: Assistant Professor of Food Chemistry

Sector: Organic Chemistry & Chemical Technology, Food Chemistry and Biochemistry (Sector II)

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Academic Qualifications:

- 2015: Ph.D. in Analytical Chemistry, Department of Chemistry, National and Kapodistrian University of Athens
- 2008: Master of Science in "Chemical Analysis–Quality Control" , Department of Chemistry, National and Kapodistrian University of Athens
- 2006: Bachelor of Science in "Chemistry", Department of Chemistry, National and Kapodistrian University of Athens

Appointments:

- 2021: Assistant Professor in Food Chemistry, Food Chemistry Laboratory, Department of Chemistry, National and Kapodistrian University of Athens
- 2015 – 2021: Post-Doctoral Researcher, Analytical Chemistry Laboratory, Department of Chemistry, National and Kapodistrian University of Athens
- 2009 – 2012: Chemist at Athens Analysis Laboratories, Athens Analysis Laboratories, 104 Vas. Sofias str, Athens

Teaching Activities: (current)

Undergraduate courses

- Food Chemistry
- Assessing Food Quality and Food Safety (course/lab)
- Food Chemistry - Nutrition

Postgraduate courses

- Food Analysis
- Novel approaches in Food Chemistry
- Nutrition
- Quality control of Food

Research Interests/Activities:

- Food authenticity research using HRMS and sophisticated chemometric tools.
- Application of Metabolomics in Food Research
- Identification of food contaminants using LC-MS, GC-MS and LC-HRMS
- Food Analysis - Development of novel methods for the determination of food nutritional value and food components and residues

Scientific Publications/Citations:

- 30 publications in journals with peer review
- 35 conference presentations
- 3 invited book chapters in collective volumes
- >700 citations (H-index 12)

Top five publications

- Alexandros Tzachristas, Marilena E. Dasenaki*, Reza Aalizadeh, Nikolaos S. Thomaidis, Charalampos Proestos "Development of a Wine Metabolomics Approach for the Authenticity Assessment of Selected Greek Red Wines", *Molecules*, 2021, 26, 283
- Marilena E. Dasenaki, Sofia K. Drakopoulou, Reza Aalizadeh and Nikolaos S. Thomaidis "Targeted and Untargeted Metabolomics as an Enhanced Tool for the Detection of Pomegranate Juice Adulteration", *Foods*, 2019, 8 (6), 212
- Marilena E. Dasenaki, Christina S. Michali, Nikolaos S. Thomaidis "Analysis of 76 veterinary pharmaceuticals from 13 classes including aminoglycosides in bovine muscle by hydrophilic interaction liquid chromatography–tandem mass spectrometry", *Journal of Chromatography A*, 2016, 1452, 67-80
- Marilena E. Dasenaki, Nikolaos S. Thomaidis, "Multi-residue determination of 115 veterinary drugs and pharmaceutical residues in milk powder, butter, fish tissue and eggs using liquid chromatography-tandem mass spectrometry" *Analytica Chimica Acta*, 2015, 880, 103–121
- Marilena E. Dasenaki, N.S. Thomaidis "Multi-residue determination of seventeen sulfonamides and five tetracyclines in fish tissue using a multi-stage LC-ESI-MS/MS approach based on advanced mass spectrometric techniques" *Analytica Chimica Acta*, 2010, 672, 93-102

Selected Distinctions:

- 2017 – 2020: Post-Doctoral Research Scholarships from the State Scholarships Foundation (IKY) funded by the "Supporting Post-Doctoral Researchers" Act of the Operational Programme "Human Resources Development, Education and Lifelong Learning, co-funded by the European Social Fund (ESF) and Greek National Resources.
- 2016 – 2020: University Scholarship under the program entitled "Acquisition of Academic Teaching Experience in Young Scientists PhD Holders".
- 2010 – 2014: PhD Research Scholarship, Research Funding Program: Heracleitus II. Investing in knowledge society through the European Social Fund

Projects and Academic Activities:

- Research associate in 9 scientific projects
- Reviewer of 20 international journals
- Guest Editor in *Molecules*