

MARILENA E.DASENAKI



Assistant Professor

LABORATORY OF FOOD CHEMISTRY, DEPARTMENT OF CHEMISTRY, NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

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Google scholar: https://scholar.google.com/citations?hl=el&tzom=-120&user=jWVXU5UAAAAJ&view_op=list_works&sortby=pubdate

- >950 citations (H-index 16)

SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=57649612100>

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EDUCATION

- 2006** BSc in "Chemistry", Department of Chemistry, National and Kapodistrian University of Athens
- 2008** MSc in "Chemical Analysis–Quality Control", Department of Chemistry, National and Kapodistrian University of Athens
- 2015** Ph.D. in Analytical Chemistry, Department of Chemistry, National and Kapodistrian University of Athens

APPOINTMENTS

- 2021 - today** 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

RESEARCH FIELDS

- Application of Metabolomics in Food Research
- Food characterization and authenticity research using HRMS and sophisticated chemometric tools.
- 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

EDUCATIONAL EXPERIENCE

UNDERGRADUATE COURSES

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

POST-GRADUATE COURSES

- Food Analysis (Chemistry Dept.)
- Novel approaches in Food Chemistry (Chemistry Dept.)
- Quality control of Food (Chemistry Dept.)

REVIEWER OF SCIENTIFIC JOURNALS

- Reviewer of 22 international journals

DISTINCTIONS / SCHOLARSHIPS

- 2017 – 2020: Post-Doctoral Research Scholarships from the State Scholarships Foundation (IKY) funded by the “Supporting Post-Doctoral Researchers” Act
- 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

ADDITIONAL INFORMATION

- 41 publications in journals with peer review
- 45 conference presentations
- 4 invited book chapters in collective volumes
- Research associate in 11 scientific projects

SELECTED PUBLICATIONS (link OF PUBLICATIONS)

- G. Koulis, A. Tsagkaris, P. Katsianou, PL. Gialouris, I. Martakos, F. Stergiou, A. Fiore, E. Panagopoulou, S. Karabournioti, C. Baessmann, N. van der Borg, M. Dasenaki, C. Proestos, N. Thomaidis, Thorough Investigation of the Phenolic Profile of Reputable Greek Honey Varieties: Varietal Discrimination and Floral Markers Identification Using Liquid Chromatography–High-Resolution Mass Spectrometry, *Molecules* 2022, 27(14), 4444 (doi:10.3390/molecules27144444)
- Tzachristas, M. Dasenaki, R. Aalizadeh, N. Thomaidis, C. Proestos “LC-MS Based Metabolomics for the Authentication of Selected Greek White Wines”, *Microchemical Journal*, 2021, 169, 106543 (doi: 10.1016/j.microc.2021.106543)
- S. Drakopoulou, E. Orfanakis, I. Karagiannaki, F. Gaitis ,S. Skoulika, A. Papaioannou, G. Boukouvalas, G. Petropoulos, V. Katsoudas, R. Kontzedaki, A. Philippidis, A. Zoumi, M. Dasenaki, N. Thomaidis, M. Velegrakis “Comparative evaluation of different targeted and untargeted analytical approaches to assess greek extra virgin olive oil quality and authentication”, *Molecules*, 2022, 27(4), 1350 (doi:10.3390/molecules27041350)
- I. Mantzourani, M. Daoutidou, M. Dasenaki, A. Nikolaou, A. Alexopoulos, A. Terpou, N. Thomaidis and S. Plessas, "Plant extract and essential oil application against food-borne pathogens in raw pork meat", *Foods*, 2022, 11(6), 861 (doi:10.3390/foods11060861)
- E. Karagiannis, M. Michailidis, C. Skodra, G. Stamatakis, M. Dasenaki, I. Ganopoulos, M. Samiotaki, N. Thomaidis, A. Molassiotis, G. Tanou, “Proteo-metabolomic journey across olive drupe development and maturation”, *Food Chemistry*, 2021, 363, 130339 (doi: 10.1016/j.foodchem.2021.130339).
- M. E. Dasenaki, S. K. Drakopoulou, R. Aalizadeh and N. S. Thomaidis “Targeted and Untargeted Metabolomics as an Enhanced Tool for the Detection of Pomegranate Juice Adulteration”, *Foods*, 2019, 8 (6), 212 (doi:10.3390/foods8060212)
- M. Dasenaki, A. Bletsou, G. Koulis and N. Thomaidis “Qualitative multi-residue screening methods for 143 veterinary drugs and pharmaceuticals in milk and fish tissue using liquid chromatography quadrupole-time-of-flight mass spectrometry” *Journal of Agricultural and Food Chemistry*, 2015, 63, 4493–4508 (doi: 10.1021/acs.jafc.5b00962)
- M. E. Dasenaki, N. 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 (doi: 10.1016/j.aca.2015.04.013)