



## ▶ Nastou Eleni

Ph.D. Candidate at University of Athens

Phone: +30 2107274430

e-mail: elenanastou@chem.uoa.gr

### Education

**B.Sc. in Chemistry (2015-2020)**, National and Kapodistrian University of Athens, Grade: 7.39/10

**M.Sc. in Chemical Analysis & Quality Control (2020-2022)**, National and Kapodistrian University of Athens, Grade: 9.13/10

**Ph.D. in Analytical Chemistry (2022-to date)**, National and Kapodistrian University of Athens

### Research Topics:

**Undergraduate Thesis:** "Development and validation of method for the determination of tocopherols, pigments and squalene in samples of table olives using HPLC-DAD.", Laboratory of Analytical Chemistry, Chemistry department, University of Athens, Greece (2020)

**Master Thesis:** Extended characterization of Greek honeys of different botanical origins with high resolution mass spectrometry (HRMS)" Laboratory of Analytical Chemistry, Chemistry department, University of Athens, Greece (2021-2022)

**Ph.D. Thesis:** "Development of novel analytical methodologies using advanced HRMS techniques for the authentication of bee products." (2022- to date)

### Research Interests

**General research interests:** Food Authenticity, Food Metabolomics, Food Proteomics, High Resolution Mass Spectrometry (HRMS), Development of LC-MS/MS methods, Chromatographic techniques, Chemometrics

Expert-knowledge in HRMS based target, suspect, and non-target screening workflows for omics studies

Wide experience in the development and application of metabolomics and proteomics methodologies (targeted and untargeted)

Working experience regarding the development of analytical protocols and the optimization and validation of analytical methods

### Publications in journals and books

Panagiotis-Loukas P. Gialouris, Georgios A. Koulis, Eleni S. Nastou, Marilena E. Dasenaki, Niki C. Maragou, Nikolaos S. Thomaidis "Development and validation of a high-throughput headspace solid-phase microextraction gas chromatography-mass spectrometry methodology for target and suspect determination of honey volatiles", *Heliyon* 2023, 9, 11. (<https://doi.org/10.1016/j.heliyon.2023.e21311>)

Ioannis Martakos, Panagiota Katsianou, Georgios Koulis, Elvira Efstratiou, Eleni Nastou, Stylianos Nikas, Marilena Dasenaki, Michalis Pentogennis, Nikolaos Thomaidis "Development of Analytical Strategies for the Determination of Olive Fruit Bioactive Compounds Using UPLC-HRMS and HPLC-DAD. Chemical Characterization of Kolovi Lesvos Variety as a Case Study" *Molecules* 2021, 26, 7182. (doi: 10.3390/molecules26237182)

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## Conferences Presentations

Maria-Anthi Priakou, Niki Maragou, Erklaylle Gabriely Custodio Da Silva, Marios Kostakis, Loukas Gialouris, Maria Karvouni, Areti Kostaki, Maria-Christina Serdari, **Eleni Nastou**, Evangelia Kritikou, Carolina Santos Silva, Maria Fernanda Pimentel Avelar, Nikolaos Thomaidis and Marilena Dasenaki, "Classification of Greek honeys according to their botanical origin using physicochemical properties and macro-elements profile", IMA 2023, 17-20 September, Crete (poster presentation)

## Professional Affiliations

Association of Greek Chemists, 2021-Present

## Contact information

Eleni Nastou

Office: 4<sup>th</sup> floor, Wing D

Phone: 210 7274630

Postal Address: Panepistimioupoli Zografou, Postal Code:15771, Athens, Greece

Email: [elenanastou@chem.uoa.gr](mailto:elenanastou@chem.uoa.gr)