



## ► Gialouris Panagiotis-Loukas

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### Education

**B.Sc. in Chemistry (2015-2019)**, National and Kapodistrian University of Athens

**M.Sc. in Chemical Analysis & Quality Control (2019-21)**, National and Kapodistrian University of Athens

**Ph.D. in Food Chemistry (2021-present)**, National and Kapodistrian University of Athens

### Research Topics:

**Undergraduate Thesis:** "Development of a targeted screening methodology, using Liquid Chromatography combined with a High-Resolution Mass Spectrometry(LC-ESI-QToF-MS), aiming to detect the adulteration of olive oil (2019)

**Master Thesis:** "Study of static Headspace and Headspace Solid Phase MicroExtraction (HS-SPME) as a tool for Greek honey characterization and authenticity assessment (2021)

**PhD Thesis:** "Study and promotion of Greek foods and beverages of national priority-Determination of their volatile composition and bioactive content with cutting-edge mass spectrometric techniques"

### Research Interests

**General research interests:** Food Authenticity, Food Safety, Food Characterization, Chemometrics, Mass Spectrometry, Liquid Chromatography, Gas Chromatography

### Publications in journals and books

1. Georgios. A. Koulis, Aristeidis.S. Tsagkaris, Panagiota.A. Katsianou, **Panagiotis-Loukas .P. Gialouris**, Ioannis. Martakos, Fotis. Stergiou, Alberto. Fiore, Eleni.I. Panagopoulou, Sofia. Karabournioti, Carsten. Baessmann, Noud. Van Der Borg, Marilena.E. Dasenaki, Charalambos. Proestos, Nikolaos Thomaidis, Thorough Investigation of the Phenolic Profile of Reputable Greek Honey Varieties: Varietal Discrimination and Floral and Floral Markers Identification Using Liquid Chromatography-High-Resolution Mass Spectrometry, *Molecules* 27 (2022) 1-17 . x. <https://doi.org/10.3390/molecules27144444>
2. Niki. C. Maragou, Irini. F. Strati, **Panagiotis-Loukas Gialouris**, Marilena.Dasenaki, Vassilia.J. Sinanoglou, Marijana. Ačanski, Jaroslava. Švarc Gajić, K. Pastor Honey and Bee Products. *Emerging Food Authentication Methodologies Using GC/MS*. Springer (2023), Cham. [https://doi.org/10.1007/978-3-031-30288-6\\_7](https://doi.org/10.1007/978-3-031-30288-6_7)

3. **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), <https://doi.org/10.1016/j.heliyon.2023.e21311>

## Conferences Presentations

1. **Panagiotis-Loukas P. Gialouris**, Georgios A. Koulis, Marilena E. Dasenaki and Nikolaos S. Thomaidis, Volatile-compound fingerprinting by both Headspace-SPME(HS-SPME) and static Headspace as a tool for the assessment of honey's authenticity, 12th International Conference on Instrumental Methods of Analysis, IMA 2021, 20-23 Sept 2021. (poster presentation)
2. Georgios A. Koulis, Panagiota A. Katsianou, Ioannis Martakos, **Panagiotis-Loukas Gialouris**, Aalizadeh Reza, Marilena E. Dasenaki, Charalampos Proestos, Nikolaos S. Thomaidis and Carsten Baessman, Botanical type discrimination of well-known Greek honey varieties by targeted and untargeted metabolomics making use of UPLC-QToF MS, ASMS 2021 (poster presentation)
3. **Panagiotis-Loukas Gialouris**, Marilena Dasenaki, Nikolaos Thomaidis and Charalampos Proestos, A detailed characterization of Greek wines in terms of their phenolic composition, volatiles and mineral content, ACAC 2022 (poster presentation)
4. Maria-Anthi Priakou, Marios Kostakis, Erklaylle Gabriely Custodio da Silva, Maria Karvouni, **Panagiotis-Loukas Gialouris**, Carolina Santos Silva, Nikolaos Thomaidis and Marilena Dasenaki, Elemental profile monitoring and variety discrimination of Greek honeys, ACAC 2022 (poster presentation)
5. Marilena Dasenaki, Georgios Koulis, **Panagiotis-Loukas Gialouris**, Charalampos Proestos and Nikolaos Thomaidis, Greek honey authenticity and characterization- studying the gold of nature, ACAC 2022 (oral presentation)
6. M.-A. Priakou, N. Maragou, E. G. Custodio Da Silva, M. Kostakis, **P.-L. Gialouris**, M. Karvouni, A. Kostaki, M.-Ch. Serdari, E. Nastou, E. Kritikou, C. Santos Silva, M. F. Pimentel Avelar, N. Thomaidis and M. Dasenaki, Classification of Greek honeys according to their botanical origin using physicochemical properties and macro-elements profile, 13th International Conference on Instrumental Methods of Analysis, IMA 2023, (poster presentation)

## Professional Affiliations

Association of Greek Chemists, 2021-Present

## Contact information

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