

► Katsianou Panagiota

Ph.D. candidate at University of Athens

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Education

B.Sc. in Chemistry (2012-2016), Aristotle University of Thessaloniki, Grade: 7.73/10

M.Sc. in Analytical Chemistry (2016-2018), National and Kapodistrian University of Athens

Ph.D. in Analytical Chemistry (2019-today), National and Kapodistrian University of Athens

Research Topics:

Undergraduate Thesis: "Study of the mechanical properties of gels prepared from hazelnut oil bodies", Laboratory of Food Chemistry, University of Thessaloniki, Greece (2016)

Master Thesis: "Target screening of phenolic compounds in honey samples in order to differentiate them according to their botanical or geographical origin with the use of ultra-high pressure liquid chromatography combined with high resolution mass spectrometry", Laboratory of Analytical Chemistry, Chemistry department, University of Athens, Greece (2018)

Ph.D. Thesis: "Study of bioactive content of olive oil by-products with the use of high resolution mass spectrometry (UHPLC-QTOF MS)", Laboratory of Analytical Chemistry, Chemistry department, University of Athens, Greece (2009-2015)

Research Interests

General research interests: Food Authenticity, Adulteration, High Resolution Mass Spectrometry (HRMS), Development of bioactive compounds with different chromatographic techniques (LC-MS\MS, GC-MS\MS, UHPLC-ESI-QTOFMS, GC-APCI-QTOFMS), Determination of inorganic anions by ion chromatography (IC), Use of advanced chemometric tools for data treatment of HRMS data

Projects:

2018 –2019: Novel wide-scope research for the promotion of N. Aegean olive oil and olive products through the designation of their unique characteristics and bioactive content (funding: Prefecture of North Aegean)

2018 –2019: Emblematic action - The Olive Road (funding: Ministry of Education)

2019: RI-Food Aegean – Research infrastructures for the development of innovative olive and vine products in the North Aegean Region.

Conferences Presentations

1. Katsianou P., Koulis G., Dasenaki M., Thomaidis N. "HRMS Study of Bioactivity Compounds During Edible Olive Processing", 11th International Conference on "Instrumental Methods of Analysis" (IMA-2019), 22-25 September 2019, Ioannina, Greece
2. Koulis G.A., Katsianou P., Panagopoulou E., Aalizadeh R, Proestos C., Thomaidis N.S., "METABOLOMIC APPROACH FOR GREEK HONEY ORIGIN DISCRIMINATION MAKING USE OF ULTRA-HIGH PERFORMANCE LIQUID CHROMATOGRAPHY COUPLED TO HIGH RESOLUTION MASS SPECTROMETRY", 11th International Conference on "Instrumental Methods of Analysis" (IMA-2019), 22-25 September 2019, Ioannina, Greece
3. Katsianou P., Koulis G., Panagopoulou E., Stergiou F., Fiore A., Karabournioti S., Proestos C., Thomaidis N. "Honey Authenticity: Evaluation of phenolic compounds as potential authenticity markers using target LC-HRMS screening, 11th Aegean Analytical Chemistry Days", Chania, 25-29 September 2018.
4. Koulis G.A., Katsianou P., Panagopoulou E., Aalizadeh R, Proestos C., Thomaidis N.S., "BOTANICAL AND GEOGRAPHICAL ORIGIN DISCRIMINATION OF GREEK HONEYS BY UNTARGETED METABOLOMICS USING LC-ESI-QTOF-MS, 11th Aegean Analytical Chemistry Days", Chania, 25-29 September 2018.

Contact information

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