

► Katsa Maria

Ph.D. Candidate at University of Athens

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Education

B.Sc. in Chemistry (2009-2014), National and Kapodistrian University of Athens, Grade: 7.13/10

M.Sc. in Food Chemistry (2014-2016), National and Kapodistrian University of Athens

Ph.D. in Food Chemistry (2016-today), National and Kapodistrian University of Athens

Research Topics:

Undergraduate Thesis: "Synthesis of tripeptide containing C-terminal amide and study through High Resolution Mass Spectrometry(HRMS)", Laboratory of Organic Chemistry, Chemistry department, University of Athens, Greece (2014)

Master Thesis: "Determination of Fat Soluble Vitamins A and E in Infant Formulas by HPLC-DAD", Laboratory of Analytical Chemistry, Yiotis S.A. , Greece (2015-2016)

Ph.D. Thesis: "Development of new methods for the determination of fat-soluble and water-soluble vitamins in food matrices using advanced mass spectrometry techniques", Laboratory of Analytical Chemistry, Chemistry department, University of Athens, Greece (2016-today)

Research Interests

General research interests: Development of liquid chromatography mass spectrometry methods, Reversed Phase Liquid Chromatography (RP-LC) and Hydrophilic interaction chromatography (HILIC), Food Analysis (nutrients and contaminants)

Publications in journals and books

1. Maria Katsa, Charalampos Proestos, Efstratios Komaitis "Determination of Fat Soluble Vitamins A and E in Infant Formulas by HPLC-DAD", *Current Research in Nutrition and Food Science*, 2016, 4(2), 92-94 (doi:<http://dx.doi.org/10.12944/CRNFSJ.4.Special-Issue-October.12>).
2. Maria Katsa, Charalampos Proestos, "Vitamin analysis in Juices and non-alcoholic beverages", *Emerging Trends and Developments in Beverage Science*, 2019, 3, 137-173 (<https://doi.org/10.1016/B978-0-12-815258-4.00005-6>).

Conferences Presentations

1. Maria Katsa, Charalampos Proestos, Efstratios Komaitis, "Determination of Fat Soluble Vitamins A and E in Infant Formulas by HPLC-DAD", International Conference on Nutraceuticals and Functional Foods, 7-9 July 2016, Kalamata (Poster Presentation).
2. Maria Katsa, Charalampos Proestos, Efstratios Komaitis, Nikolaos S. Thomaidis, "Rapid and simple determination of fat-soluble vitamins in various types of infant formulas by HPLC-DAD", 8th International Symposium on Recent Advances in Food Analysis, 7-10 November 2017, Prague, Czech Republic, (Poster Presentation).
3. Evaggelia Krystalli, Efstratios Komaitis, Maria Katsa, Vasilios Tzamtzis, "Determination of four EU marker Polycyclic Aromatic Hydrocarbons (PAHs) in cocoa, milk-based Infant Formula and cereal-based Baby Foods", Aegean Analytical Chemistry Days (AACD2018), 25-29 September 2018, Chania, Crete, Greece (Poster Presentation).

Awards and Honors

1. **Scholarship from the Hellenic Foundation for Research and Innovation (ELIDEK) for Doctoral Research funded by the "2nd Scholarship for Ph.D. Candidates" (2019-2020)**

Professional Affiliations

Association of Greek Chemists, 2014-Present
Hellenic Mass Spectrometry Society, 2016-Present

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