

## ▶ Drakopoulou Sofia

Ph.D. Candidate at University of Athens

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### Education

**B.Sc. in Chemistry (2011-2016)**, National and Kapodistrian University of Athens, Grade: 7.12/10

**M.Sc. in Analytical Chemistry (2016-2018)**, National and Kapodistrian University of Athens, Grade: 9.57/10

**Ph.D. in Analytical Chemistry (2018-to date)**, National and Kapodistrian University of Athens

### Research Topics:

**Undergraduate Thesis:** "Development of a mass spectral database for targeted screening of emerging pollutants using LC-QTOF-MS", Laboratory of Analytical Chemistry, Chemistry department, University of Athens, Greece (2014-2015)

**Master Thesis:** "Targeted metabolomics as an advanced tool for the detection of pomegranate juice adulteration", Laboratory of Analytical Chemistry, Chemistry department, University of Athens, Greece (2016-2018)

**Ph.D. Thesis:** "Development of advanced high-resolution mass spectrometry methods for the thorough characterization of olive oil", Laboratory of Analytical Chemistry, Chemistry department, University of Athens, Greece (2018-to date)

### Research Interests

**General research interests:** Food Authenticity, Food Metabolomics, High Resolution Mass Spectrometry (HRMS), Chemometrics techniques application

#### Projects:

2018 –2020: Emblematic action - The Olive Road (funding: Ministry of Education)

2018 –2021: 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)

2017-2018: EMBLAS II, EU/UNDP Project: Improving environmental monitoring in the Black Sea. Analysis of water framework priority substances and screening of black sea specific pollutants in water biota and sediment samples obtained during the National Pilot Monitoring Studies and Joint Open Sea Surveys and risk assessment of identified pollutants.

## Publications in journals and books

1. Marilena E. Dasenaki, [Sofia K. Drakopoulou](#), Reza Aalizadeh , Nikolaos 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).

## Conferences Presentations

1. [Sofia K. Drakopoulou](#), Marilena E. Dasenaki, Reza Aalizadeh, Adamantia-Eleni G. Manola, Konstantinos N. Nikolakis, Nikolaos S. Thomaidis, “Un-Targeted Metabolomics Approach for the Characterization, Classification and Mapping of Bioactive Compounds in Greek Extra Virgin Olive Oil”, 11th International Conference on “Instrumental Methods of Analysis” (IMA-2019), 22-25 September 2019, Ioannina, Greece (oral presentation).
2. A. Tzachristas, M.E. Dasenaki, K. Pasvanka, G. Koulis, [S. Drakopoulou](#), R. Aalizadeh, N. S. Thomaidis and C. Proestos, “Development of a wine metabolomics approach for the varietal discrimination of selected Greek wines”, 2nd Food Chemistry Conference: Shaping the Future of Food Quality, Safety, Nutrition and Health, 17-19 September, 2019, Seville, Spain (oral presentation).
3. Nika M.C, Damalas D., Koulis G., Alygizakis N., Nikolopoulou V., [Drakopoulou S.](#), Psoma A., Kostakis M., Aalizadeh R., Oswald P., Slobodnik J. and Thomaidis N. S., “Extended Monitoring of Legacy Pollutants and Emerging Contaminants in the Marine Environment of Black Sea”, 11th Aegean Analytical Chemistry Days , AACD 2018, Chania, Crete, Greece, 25-29 Sept 2018 (poster presentation, **awarded**).
4. Marilena E. Dasenaki, [Sofia K. Drakopoulou](#) and Nikolaos S. Thomaidis, Targeted and Untargeted Metabolomics as an Enhanced Tool for the Detection of Juice-to-Juice Adulteration, 8th International Symposium on Recent Advances in Food Analysis, RAFA, November 7-10, **2017**, Prague, Czech Republic, p.198 (poster presentation).

## Awards and Honors

1. Best Poster Award, poster presentation at the 11th Aegean Analytical Chemistry Days , AACD 2018, Chania, Crete, Greece, 25-29 Sept 2018.
2. Scholarship from Nikolaos Papadimitriou Foundation for BSc studies (2011).

## Professional Affiliations

Association of Greek Chemists, 2017-Present

## Contact information

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