

Vasiliki Andreou, Chemist, M.Sc., Ph.D.
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Education
2022: Ph.D in Chemistry, Department of Chemistry – National and Kapodestrian University of Athens, Greece
2013: M.Sc., Industrial Chemistry, Department of Chemistry – National and Kapodestrian University of Athens, Greece
2008: B.Sc., Department of Chemistry – National and Kapodestrian University of Athens, Greece
Current Research Interests
Metabolomic profiling of biological fluids and food items by implementing HR NMR spectroscopy and Chemometrics. Structure elucidation of novel bioactive compounds from natural sources; Evaluation of the antioxidant activity of food items (alcoholic beverages, olive oil).
Main achievements
Literature contribution: 2 Peer-reviewed scientific articles; 5 Announcements in international conferences
Participation in funding programs:
01.03.2022 – 30.06.2022: Participation in a “RESEARCH - CREATE - INNOVATE” programme “Diagnosis and prognosis of non alcoholic fatty liver disease (NAFLD): analysis of genetic, metabolomic and environmental data” with MIS 5067535 and KE 61118, funded by the Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK) for the Single RTDI State Aid Action “RESEARCH - CREATE - INNOVATE”
Scholarships:
01.07.2018-31.12.2018: Postdoctoral researcher fellowship tasked with the acquisition and processing of NMR spectra, in the project “Research studies supported by spectroscopy analysis” funded by the National Hellenic Research Foundation.
Publications in Peer Reviewed Scientific Journals
<ol style="list-style-type: none"> Andreou, V., Strati, I.F., Fotakis, C., Liouni, M., Zoumpoulakis, P., Sinanoglou, V.J. Herbal distillates: A new era of grape marc distillates with enriched antioxidant profile. 2018, Food Chemistry, 253, 171-178. V., Falaina, Ch., Fotakis, Th., Boutsikou, Th., Tsiaka, G., Moros, S., Ouzounis, V., Andreou, Z., Iliodromiti, Th., Xanthos, A., Karoutis, N., Iacovidou, P., Zoumpoulakis, Urine metabolomic profile of breastfed neonates and neonates on formula enriched with synbiotics, 2022, <i>submitted in the International journal of Molecular Science</i>.
Announcements in international conferences
<ol style="list-style-type: none"> Andreou V, Siapi E, Sotiroudis GT, Strati IF, Fotakis Ch, Liouni M, Zoumpoulakis P, Sinanoglou VJ. Herbal Distillates: Enrichment of Polyphenolic Content of a Greek Grape Mark Distillate (Tsikoudia) with Selected Herbs. 11th Aegean Analytical Chemistry Days, 25th-29th of September, 2018, MAICH, Chania, Crete, Greece. Falaina V, Boutsikou Th, Andreou V, Fotakis Ch, Karoutis A, Iacovidou N, Zoumpoulakis P. Urine Metabolomic Profile of Breastfed Neonates and of Neonates on Formula Enriched with Synbiotics. 11th Aegean Analytical Chemistry Days, 25th-29th of September, 2018, MAICH, Chania, Crete, Greece. Charalambos Fotakis, Vassiliki Andreou, Dionysios C. Christodouleas, Maria Liouni, Antony, C. Calokerinos. Spectrometry Assesses the Antioxidant Profile of Alcoholic Beverages. 9th Aegean Analytical Chemistry Days, 29th of September – 3rd of October, 2014, Chios, Greece. D. Christodouleas, Ch. Fotakis, V. Garyfali, V. Andreou, K. Papadopoulos, A.C. Calokerinos. Flow-based methods with Chemiluminescence detection for the evaluation of antioxidant activity of food samples. 12th International Conference on Flow Analysis, 23rd-28th of September, 2012, Thessaloniki, Greece. Antony C. Calokerinos, Dionysios Christodouleas, Charalambos Fotakis, Vassiliki Garyfali, Vassiliki Andreou and Kyriakos Papadopoulos. Flow Injection Chemiluminescence Detection for the Evaluation of Antioxidant Activity of Natural Products. 12th International Conference on Flow Analysis, 23rd-28th of September, 2012, Thessaloniki, Greece.