Siapi Eleni, MSc Chemical Engineer

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Education:

MSc in: «**Pharmacognosy of Bioactive Natural Products**». National and Kapodistrian University of Athens.

MSc in **Organic Chemical Technology**, Department of Chemical Engineering, Polytechnic Institute of Bucharest, Romania.

BSc in Chemical Engineering, Polytechnic Institute of Bucharest, Romania

Appointments: Current position from 1989 - Technical Scientist, Institute of Chemical Biology, National Hellenic Research Foundation, Athens, Greece.

Current Research Interests: Her main areas of interest are applications of hybrid MS-based technologies for qualitative and quantitative analysis across various application areas. As part of Orbitrap group she occupied several roles from application chemist to mass spectrometry lab technical leader. In recent years her main area of research is focused on instrumental analysis (chromatography, MS Spectroscopy) and molecular structure identification of bioactive metabolites.

Main achievements: She has a total of 30 publications and review articles in peer review scientific journals

Selected Publications:

1. **On the inter-instrument and the inter-laboratory transferability of a tandem mass spectral reference library. 3. Focus on ion trap and upfront CID.** H. Oberacher,* F. Pitterl, **E. Siapi,** B. R. Steele, T. Letzel, S. Grosse, B. Poschner, F. Tagliaro, R. Gottardo, S. A. Chackog and J. L. Josephsg, *J. Mass. Spectrom*. (2012), 47, 263–270**.**
2. **An integrated approach using UHPLC-PDA-HRMS and 2D HSQC NMR for the metabolic profiling of the red alga Laurencia**. Kokkotou, K., Ioannou, E., Nomikou, M., Pitterl, F., Vonaparti A., Siapi, E., Zervou, M. , Roussis, V., *Phytochemistry*, (2014), 108, 208-219**.**

3. **Comparative study of interactions of aliskiren and AT_1 receptor antagonists with lipid bilayers.** A. Sadeghpour, M. Rappolt, D. Ntountaniotis, P. Chatzigeorgiou, K. Viras, G. Megariotis, M.G. Papadopoulos, **E. Siapi**, G. Mali, T. Mavromoustakos, *Biochimica et Biophysica Acta (BBA) - Biomembranes* , (2015), 1848(4), 984–994.
4. **Post-acquisition spectral stitching. An alternative approach for data processing in untargeted metabolomics by UHPLC-ESI(−)-HRMS.** E. Baira, **E. Siapi**, P. Zoumpoulakis, SG. Deligeorgis, AL. Skaltsounis, E. Gikas, *Journal of Chromatography B*, (2017), 1047, 106–114.
5. **UHPLC-HRMS-based tissue untargeted metabolomics study of naringin and hesperidin after dietary supplementation in chickens.** Baira, E. Dagla, I Siapi, E Zoumpoulakis, P Simitzis, P ; Goliomytis, M ; Deligeorgis, SG ; Skaltsounis, AL ; Gikas, E .*FOOD CHEMISTRY,* (2018),269,276-285.
6. **Macular carotenoids in lipid food matrices: DOE-based high energy extraction of egg yolk xanthophylls and quantification through a validated APCI(+) LC-MS/MS method.** Tsiaka, T, Lantzouraki, DZ, **Siapi, E**, Sinanoglou, VJ, Heropoulos, GA, Calokerinos, AC, Zoumpoulakis, P, *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences,*(2018), 1096,160-171.
7. **Development and Validation of a UPLC–ESI(-)–MS/MS Methodology for the Simultaneous Quantification of Hesperidin, Naringin, and their Aglycones in Chicken Tissue Samples.** E. Baira, I. Dagla, **E. Siapi**, P. Zoumpoulakis, A. Tsarbopoulos, P.Simitzis, M. Goliomytis, SG Deligeorgis, AL Skaltsounis, E.Gikas, *Journal of AOAC INTERNATIONAL*, (2020), 103(1), 83–88.