

CURRICULUM VITAE

PERSONAL DATA

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EDUCATIONAL QUALIFICATIONS

- **PhD in Pharmacy** (*until now*), Department of Pharmacognosy and Natural Product Chemistry, Faculty of Pharmacy, National and Kapodistrian University of Athens.

- **MSc in Natural Products Chemistry** (2019), Department of Pharmacognosy and Natural Product Chemistry, Faculty of Pharmacy, National and Kapodistrian University of Athens. Grade: 9.53

Thesis title: « Application of Centrifugal Partition Chromatography for the Recovery of High Added Value Bioactive Compounds from Gentian Extracts and Olive Products. »

- **Degree in Pharmacy** (2017), Faculty of Pharmacy, National and Kapodistrian University of Athens. Grade: 7.8

Thesis title: «Isolation, identification, and biological evaluation of secondary metabolites of the fungus *Acrocalymma vaguum*.»

RESEARCH INTERESTS

- Development of environmentally friendly methodologies for the extraction of edible and medicinal plants using “green” techniques (SFE, ASE, MAE, ACE). Scaling-up protocols from laboratory to pilot extractions (SFE, ACE).
- Isolation and identification of bioactive metabolites from edible plants and natural products with dermo cosmetic properties using CPC, UPLC-DAD, GCMS, NMR and FTMS (LC-Orbitrap) techniques. Development of “green” chromatographic methodologies for large-scale production of active compounds. Evaluation of their activity against tyrosinase, elastase, collagenase, and

hyaluronidase enzymes. Determination of total phenolic content (TPC), total flavonoid content (TFC) and the antioxidant activity (DPPH test).

- Isolation, identification, and biological evaluation of secondary metabolites derived from microorganisms. Exploration of their biological properties (enzyme inhibitors, antimicrobial action) with in vitro assays.
- Separation and purification of natural products using chromatographic techniques (VLC, MPLC, FCPC, HPLC). Structure elucidation of natural products via spectroscopic methods (UV-Vis, IR, CID, GC-MS, LC-MS, HRMS&HRMS/MS 1&2D NMR).
- Development of rapid and effective methods for isolation and separation of natural products using CPC technique. Application in laboratory (column 50 mL), semi-manufacturing (column 200 mL) and preparative scale (column 1000 mL).
- Semi-synthesis of natural analogs for their further biological evaluation in vitro and in vivo experiments.
- Special scientific interest to olive products and olive oil and their high added value bioactive compounds.
- Participation in the main research projects of the laboratory and in the experimental guidance of students to accomplish their thesis.

PARTICIPATION IN CONFERENCES

- 01-04/09/2019; **67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research** (GA 2019), Innsbruck, Austria.
- 25-29/11/2018; **30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity** (ISCNP30 & ICOB10), Athens, Greece.

LANGUAGES

- English, C2, Proficient Level Certificate In English, Hellenic American Union State Certificate Of Foreign Language Proficiency.
- German, B1, Goethe-Zertifikat.

PUBLICATIONS

- **Pilot continuous centrifugal liquid-liquid extraction of extra virgin olive oil biophenols and gram-scale recovery of pure oleocanthal, oleacein, MFOA, MFLA and hydroxytyrosol.**; Apostolis Angelis, Dimitris Michailidis, **Lemonia Antoniadi**, Panagiotis Stathopoulos, Vasiliki Tsantila, Jean-Marc Nuzillard, Jean-Hugues Renault, Leandros A. Skaltsounis; *Separation and Purification Technology*, 255,(2021), DOI: 10.1016/j.seppur.2020.117692.

- **Oleocanthalic and Oleaceinic acids: New compounds from Extra Virgin Olive Oil (EVOO).**; Apostolis Angelis, **Lemonia Antoniadi**, Panagiotis Stathopoulos, Maria Halabalaki, Leandros A Skaltsounis; *Phytochemistry letters*, 26, 190-194, (2018), DOI: 10.1016/j.phytol.2018.06.020.

POSTERS IN CONFERENCES

- **Rapid and Efficient Recovery of Oleanolic and Maslinic Acid from Olive Products using Centrifugal Partition Extraction.**; **Lemonia Antoniadi**, Apostolis Angelis, Dimitris Michailidis, Leandros A. Skaltsounis; 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA 2019), September 01-04, Innsbruck Austria.
- **Modern solid support free liquid-liquid techniques turn EVOO to a pool of new natural products and provide gram scale isolation of high importance biophenols.**; Apostolis Angelis, Dimitris Michailidis, **Lemonia Antoniadi**, Vasiliki Tsantila, Maria Halabalaki, Leandros A. Skaltsounis; 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA 2019), September 01-04, Innsbruck Austria.
- **Oleocanthalic and Oleaceinic Acids: Isolation, Identification and Semi-synthesis of new secoiridoid compounds of Extra Virgin Olive Oil.**; **Lemonia Antoniadi**, Apostolis Angelis, Panagiotis Stathopoulos, Maria Halabalaki, Leandros A. Skaltsounis; 30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCNP30 & ICOB10), November 25-29, 2018, Athens Greece.
- **Oleocanthalic, Oleaceinic and EDA acids: Three new standard ingredients of Extra Virgin Olive Oil (EVOO).**; Apostolis Angelis, **Lemonia Antoniadi**, Panagiotis Stathopoulos, Maria Halabalaki, Alexios-Léandros Skaltsounis; OliveBioteq, October 15-19, 2018, Seville Spain.
- **Counter-Current Chromatography as a Key Tool for the Isolation of Bioactive Compounds from Edible Oils.**; Dimitris Michailidis, Apostolis Angelis, **Lemonia Antoniadi**, Alexios-Leandros Skaltsounis; CCC2018, August 1-3, 2018, Braunschweig Germany.

REWARDS

1o Best Poster Award

«**Oleocanthalic, Oleaceinic and EDA acids: Three new standard ingredients of Extra Virgin Olive Oil (EVOO)**».; Apostolis Angelis, **Lemonia Antoniadi**, Panagiotis Stathopoulos, Maria Halabalaki, Alexios-Léandros Skaltsounis; OliveBioteq, 2018, Sevilla, Spain.