



HELLENIC REPUBLIC

**National and Kapodistrian
University of Athens**

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ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Curriculum vitae

Αν. Καθηγήτρια Μαρία Χαλαμπαλάκη

Assoc. Professor Maria Halabalaki

PERSONAL DATA

Surname: Halabalaki
Name: Maria
Date of Birth: 08.08.1973
Residential/Postal Address: Anakreontos 10, Athens, Greece
E-mail: mariahal@pharm.uoa.gr
Telephone Numbers: +30-2107232620 (H)
+30-2107274781 (W)
+30-6987832325 (M)

Scopus ID: 6506749130 / ORCID ID: 0000-0001-5620-0165 / Google Scholar Profile: Maria Halabalaki

EDUCATIONAL QUALIFICATIONS

- **PhD in Pharmacy (April 2005)**, Division of Pharmacognosy and Natural Product Chemistry, Department of Pharmacy, National and Kapodistrian University of Athens-NKUA. Thesis title *“Phytochemical and Pharmacological study of phytoestrogens from genus Onobrychis – Evaluation of the effect of O. ebenoides to osteoporosis”* (Supervisor Prof. S Mitakou).
- **MSc in Natural Products Chemistry (June 2001)**, Department of Pharmacognosy and Natural Product Chemistry, Department of Pharmacy, NKUA. Thesis title *“Isolation, structural elucidation and pharmacological evaluation of the secondary metabolites of the endemic plant Onobrychis ebenoides”*.
- **Degree in Pharmacy (April 1998)**, Department of Pharmacy, NKUA.

PROFESSIONAL AND ACADEMIC EXPERIENCE

- 2021-Today:** **Associate Professor in the field of «Pharmacognosy and Natural Products Chemistry»** Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA (*election date 05/10/2021 – appointment date 24/03/2022*).
- 2017-2021:** **Assistant Professor in the field of “Pharmacognosy”** Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA (*election date 18/05/2017 – appointment date 22/12/2017*).
- 2015-2017:** **Teaching and Laboratory Assistant**, Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- 2014-2015:** **Research Associate**, Institute of Pharmacy/Pharmacognosy, CCB - Center for Chemistry and Biomedicine, **University of Innsbruck, Innsbruck, Austria**. Training and participation in research projects in the field of human metabolomics, supervision of graduate and PhD students and participation in the practical courses of undergraduate students, under the FP7 IAPP project “Natprotec” (1 year).
- 2013-2014:** **Teaching and Laboratory Assistant**, Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- JULY 2014:** **Research Associate**, Faculty of Medicine, Department of Surgery & Cancer, Computational and Systems Medicine, **Imperial College, London, UK**. Training in metabolomics approaches and relevant statistics in plants, cells and biological fluids, in collaboration with Dr Hector Keun and Dr A Siskos under the FP7 REGPOT project “INsPIRE” (1 month).

- 2012-2013:** **Pharmaceutical company BIONORICA Research - R&D Department, Innsbruck, Austria.** Training in analytical methods, metabolomics of medicinal plants and development of cell metabolomics analytical platforms in the context of the FP7 IAPP project “Natprotec” (9 months).
- 2010 - 2012:** **Teaching Assistant**, Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA (1 year).
- 2011:** **HITEX company - R&D Department, Vannes, France.** Training in extraction and separation techniques of natural products in the context of the FP7 IAPP project “Olitec” (2 months).
- 2010:** **FRUTAROM company - R&D Department, Zurich, Switzerland.** Training in quality control of natural products in the context of the FP7 IAPP project “Olitec” (2 months).
- 2010:** **University of Leiden, Leiden, Netherlands.** Short visit for training in Metabolomics - Basics and Applications in plant Science (Prof. Rob Verpoorte group), Division of Pharmacognosy, Section Metabolomics Institute of Biology.
- 2010:** **University of Geneva, Geneva, Switzerland.** Short visit for training in LC-HRMS and metabolomics approaches. Laboratory of Pharmacognosy and Phytochemistry, School of Pharmacy, Department of Pharmaceutical Science, (Prof. Jean-Luc Wolfender group).
- 2009:** **Laboratory and administrative permanent staff**, Department of Pharmacy, NKUA.
- 2009:** **Lavipharm pharmaceutical company - R&D Department Athens, Greece.** Training in analytical techniques for quantitation purposes in the context of the FP7 IAPP project “Olitec” (2 months).
- 2009:** **Technical University of Dresden, Dresden, Germany.** Training in biological evaluation of phytoestrogens. Department of Endocrinology and Cell Physiology Institute of Zoology (Prof. Guenter Vollmer, & Prof. Oliver Zierau group) in the context of the FP7 REGPOT project “NatForce” (1 month).
- 2008:** **University of Basel, Basel, Switzerland.** Short visit for training in “dereplication” techniques. Laboratory of Pharmaceutical Biology (Prof. Matthias Hamburger group) in the context of the FP7 REGPOT project “NatForce”.
- 2007-2009:** **Post doctoral researcher**, Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- 2006-2007:** **Post doctoral researcher** in the field of proteomics and pharmacoproteomics approaches **Biomedical Research Foundation of the Academy of Athens (BRFAA)**, Center for Basic Research – Biotechnology Division-Laboratory of Proteomics (Dr. Spyros Garbis group) (18 months).
- 2006-2007:** **Laboratory assistant**, Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA (6 months).
- 2005:** **Post doctoral researcher**, Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- 2002-2005:** Participation in the implementation of research funded projects of Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- 2003:** **University of Helsinki, Helsinki, Finland.** Training in HPLC, LC-MS and NMR techniques. Department of Organic Chemistry (Prof. Kristiina Wähälä group) under the Socrates program (3 months).
- 2000-2004:** Participation as demonstrator in practicals for the undergraduate students of Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.

SCIENTIFIC ACHIEVEMENTS – AWARDS

- **Bionorica Phytoneering Award.** 71st International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2023, 2–5 July **2023**, Dublin, Ireland. This award acknowledges outstanding research in the field of development and application of phytopharmaceutical products, and it comes with a monetary prize. <https://ga-online.org/about-ga/awards/bionorica-phytoneering-award/>. As part of the award ceremony, a summary of the research project (award lecture) was presented with the title “*Advanced analytical tools employing mass spectrometry for the investigation of metabolism aspects in natural products*”.
- 70th International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2022, 28–31 August **2022**, Thessaloniki, Greece. **Young scientist’s 1st award of the scientific work entitled** “*An NMR-based metabolite profiling approach: Integration of STOCSY and SHY statistical tools in the identification of honeys’ biomarkers*”. GB Lemus Ringele, S Beteinakis, P Gkiouvetidis, A Papachristodoulou, E Mikros, M Halabalaki.
- **Egon Stahl in silver**, 63rd International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2015, 23–27 August **2015**, **Budapest, Hungary**. It is a medal, a document and a monetary prize in order to recognize and promote young scientists working in the field of Pharmacognosy (Pharmaceutical Biology) and Analytical Phytochemistry. Award lecture “*Integrated Metabolomic approaches in Natural Products Chemistry*” http://media.wix.com/ugd/a5860a_8ea849ab51824774bc491415fd7a267b.pdf.
- 20th International Congress of International Society for Ethnopharmacology 18-20 April **2021**, Thessaloniki, Greece. **Best poster award** “*The “Superstitious” Mandragora autumnalis (Solanaceae) Roots, Leaves and Fruits after a Phytochemical Investigation and Extended LC-HRMS & HRMS/MS Characterization*” | Kyziropoulos, ME Sakavitsi, IK Tseti, M. Halabalaki, AL Skaltsounis.
- 67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), 1-5 September **2019** Innsbruck, Austria. **Best poster award** “*Integrated approach for the extraction and quality assessment of fiber-type Cannabis sativa L. based on UPLC-PDA and HPTLC*”. PS Tzimas, EA Petrakis EA, A Angelis A, M Halabalaki, AL Skaltsounis.
- 62nd International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2014, 31st August – 4th September **2015**, **Guimaraes, Portugal**. **Young scientist’s 1st award of the scientific work entitled** “*Quantitative study of two indirubin derivatives: 6-Bromindirubin-3’-oxime (6BIO) and 6-Bromindirubin-3’-[O-(2-piperazine-1-ylethyl) oxime] (6BIO-pip) in mice plasma by LC-MS/MS. Application in a pharmacokinetic study*”. J Tchoumtchoua, M Halabalaki, E Gikas, L Liu, R Joves, S Nam, LA Skaltsounis.
- VIII Brazilian Symposium on Pharmacognosy, April **2012**, **Ilheus, Brazil**, **Young scientist’s 1st award of the scientific work entitled** “*Metabolic profiling of Acronychia pedunculata, targeted isolation of acetophenone derivatives and evaluation of their cytotoxicity*”. E Kouloura, M Halabalaki, MC Lallemand, S Michel, S Nam, R Jove, M Litaudon, K Awang, HA Hadi, AL Skaltsounis.
- 59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, August **2011**, **Antalya, Turkey**. **Young scientist’s 1st award of the scientific work entitled** “*A rapid LC-MS Method for the simultaneous quantification of oleuropein and its main metabolite, hydroxytyrosol, in clinical samples after oral administration of commercial herb medicinal products*”. N Lemonakis, E Gikas, M Halabalaki, V Mougios, AL Skaltsounis.
- 11th Panhellenic Congress of the Hellenic Association of Bone Metabolism Studies. 20-22 September **2007**, Corfu, Greece, “**ALEXANDROS KALOS**” **award for the best oral presentation** entitled “*Protective phytoestrogen effect on bone density of ovariectomized rats*”. I Dontas, M Halabalaki, S Mitakou, P Raptou, D Giannarakos, A Galanos, GP Lyrilis.
- **Presentation of the personal research activities in the area of phytoestrogens** in the monthly newsletters’ series. Thematic Network “**Phytohealth** - Improving health through dietary phytoestrogens: a pan-European network on

consumers. Issues and opportunities for producers" - QLK1-CT-2002-02453, Vol.2, Issue 1, January 2005 (http://www.phytohealth.org/doc/newslet_JAN05.pdf).

- **"Irakleitos" 2000-2004 fellowship** from National Ministry of Education for the implementation of doctoral research entitled "Phytochemical and Pharmacological study of phytoestrogens from genus *Onobrychis* as a source of phytoestrogens – Evaluation of the effect of *O. ebenoides* to osteoporosis" (K.A. 70/3/7112).

TEACHING AND TRAINING ACTIVITIES

2024-Today

- **"Special courses in Pharmacognosy"** (co-teaching), undergraduate studies (4th year), Department of Pharmacy, NKUA.
- **"Pharmacognosy III"** (participation in practical courses), undergraduate studies (3rd year), Department of Pharmacy, NKUA.
- **"Spectroscopy I", "Analysis I" and "Analysis II"** (co-teaching), master's program "Isolation, Development, Production, and Evaluation of Bioactive Natural Products" of Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- **"Ageing and age-related diseases"** (master's program, co-teaching) "Bioinformatics – Computational Biology" of Department of Biology, NKUA.
- **"Characterization of medicinal plants and their products - safety and legislative framework"** (co-teaching), master's program "Management technologies of aromatic and medicinal plants: Cultivation, Processing and Production of high added value products", Department of Agriculture and Agrotechnology, University of Thessaly.

2022-2024

- **"Special courses in Pharmacognosy"** (co-teaching), undergraduate studies (4th year), Department of Pharmacy, NKUA.
- **"Pharmacognosy II"** (participation in practical courses), undergraduate studies (3rd year), Department of Pharmacy, NKUA. undergraduate studies, Department of Pharmacy, NKUA.
- **"Spectroscopy I", "Analysis I" and "Analysis II"** (co-teaching), master's program "Isolation, Development, Production, and Evaluation of Bioactive Natural Products" of Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- **"Ageing and age-related diseases"** (master's program, co-teaching) "Bioinformatics – Computational Biology" of Department of Biology, NKUA.
- **"Characterization of medicinal plants and their products - safety and legislative framework"** (co-teaching), master's program "Management technologies of aromatic and medicinal plants: Cultivation, Processing and Production of high added value products", Department of Agriculture and Agrotechnology, University of Thessaly.

2017-2022

- **"Special courses in Pharmacognosy"** (co-teaching), undergraduate studies (4th year), Department of Pharmacy, NKUA.
- **"Pharmacognosy II"** (participation in practical courses), undergraduate studies (3rd year), Department of Pharmacy, NKUA. undergraduate studies, Department of Pharmacy, NKUA.
- **"Spectroscopy I", "Analysis I" and "Analysis II"** (co-teaching), master's program "Isolation, Development, Production, and Evaluation of Bioactive Natural Products" of Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- **"Ageing and age-related diseases"** (master's program, co-teaching) "Bioinformatics – Computational Biology" of Department of Biology, NKUA.

2015-2017

- Participation in practical courses for the training of undergraduate students of the Department of Pharmacognosy and Chemistry of Natural Products, Department of Pharmacy, NKUA, as laboratory and teaching staff. Participation in the practicals of “**Pharmacognosy I**”, “**Pharmacognosy II**” and “**Analytical Chemistry II**”.
 - Scientific and laboratory supervision of undergraduate and postgraduate students (MSc, PhD).
 - Participation with lectures in the elective course “**Special Topics in Pharmacognosy**” for fourth-year students of the Department of Pharmacy, NKUA
 - Participation with lectures in the course “**Analysis of Natural Products**” for postgraduate students of the MSc program of the Department of Pharmacognosy and Chemistry of Natural Products.

2014-2015

- Participation in the practical courses “**Chemische und biologische Analyse biogener Arzneimittel**” for third-year students (two semesters), Division of Pharmacognosy, Department of Pharmacy, **University of Innsbruck** (Institut für Pharmazie, Pharmakognose, Universität, Innsbruck).

2013-2015

- Participation in practical courses for the training of undergraduate students of the Department of Pharmacognosy and Chemistry of Natural Products, Department of Pharmacy, NKUA as laboratory and teaching staff. Participation in the practicals of “**Pharmacognosy I**”, “**Pharmacognosy II**” and “**Analytical Chemistry II**”.
 - Scientific and laboratory supervision of undergraduate and postgraduate students (MSc, PhD).
 - Participation with lectures in the elective course “**Special Topics in Pharmacognosy**” for fourth-year students of the Department of Pharmacy, NKUA.
 - Participation with lectures in the course “**Analysis of Natural Products**” for postgraduate students of the MSc program of the Department of Pharmacognosy and Chemistry of Natural Products.
 - Teaching and training of PhD students and research staff in “*New approaches in natural products analysis and plant metabolomics*” **University of Orleans, ICOA Institute, France** (Visiting researcher).

2009-2012

- Participation in practical courses for the training of undergraduate students of the Department of Pharmacognosy and Chemistry of Natural Products, Department of Pharmacy, NKUA as laboratory and teaching staff. Participation in the practicals of “**Pharmacognosy I**” and “**Pharmacognosy II**”. Also:
 - Scientific and laboratory supervision of undergraduate and postgraduate students (MSc, PhD).
 - Participation with lectures in the elective course “**Special Topics in Pharmacognosy**” for fourth-year students of the Department of Pharmacy, NKUA.
 - Participation with lectures in the course “**Analysis of Natural Products**” for postgraduate students of the MSc program of the Department of Pharmacognosy and Chemistry of Natural Products.

2007-2009

- Assistance in in practical courses for the training of undergraduate students of the Department of Pharmacognosy and Chemistry of Natural Products, Department of Pharmacy, in accordance with the curriculum.
 - Scientific and laboratory supervision of undergraduate and postgraduate students (MSc, PhD).
 - Participation in the practical courses of “**Pharmacognosy II**”.

2005-2006

- Assistance in in practical courses for the training of undergraduate students of the Department of Pharmacognosy and Chemistry of Natural Products, Department of Pharmacy, in accordance with the curriculum.
 - Scientific and laboratory supervision of undergraduate and postgraduate students (MSc, PhD).
 - Participation in the practical courses of “**Pharmacognosy II**”.

2000-2004

- Hourly-paid postgraduate student. Assisted in the preparation and execution of laboratory exercises for the courses “**Pharmacognosy II**” and “**Pharmacognosy III**,” as well as in the supervision of examinations for courses of the Department of Pharmacognosy and Chemistry of Natural Products, Department of Pharmacy, NKUA.

EU Erasmus+ programme – Contact person for the Department of Pharmacy

- University of Antwerp, Faculty of Pharmaceutical, Biomedical and Veterinary Science, Belgium.
- University of Nivi Sad, Faculty of Medicine, Serbia.
- Western Balkans University, Tirana, Albania (*in progress*).

SUPERVISION OF POST DOCTORAL RESEARCHERS**(Total 12, Current 5)**

Evangelos Kalampokis (2025 - today)
 Luis Carlos Junior Klain (2024 - today)
 Maria-Caterina Lianza (2024 - today)
 Petros Tzimas (2022 - today)
 Eleni Vaskani Mikropoulou (2021 - today)
 Paweł Szczęblewski (2024)

Previous position claim

Maria Kalaboka (2021 - 2022)
 Maria Eleni Sakavitsi (2021 - 2023)
 Stavros Beteinakis (2020 - 2023)
 Theodora Nikou (2019 - 2023)
 Anastasia Papachristodoulou (2018 - 2024)
 Sotirios Katsikis (2017 - 2019)

SUPERVISION OF PHD STUDENTS**(Total 11, Current 7)**

2025-today: Amelia Morantin “*Development of the online coupling of centrifugal partition chromatography and mass spectrometry for the analysis and recovery of agro-industrial co-products*” (Joint PhD between Dep. of Pharmacy, NKUA and University of Reims, URCA).

2024 - today: Ioanna Deli “*Innovative approaches for the analysis of medicinal plants and foods using dried spots automated extraction (DBS) and metabolomics*” (Dep. of Pharmacy, NKUA).

2024 - today: Aikaterini Basdeki “*Study of the metabolism and bioavailability of bioactive natural products using metabolomic approaches*” (Dep. of Pharmacy, NKUA).

2022 - today: Maria Chalkiadaki “*Development of bioinsecticides of natural origin with emphasis on resistance management*” (Joint PhD between Dep. of Pharmacy, NKUA and Foundation for Research and Technology).

Before previous position claim

- 2020-today:** Varvara Papaioannou "Study of amino acids, nitrogen and sulfide bioactive compounds in plant organisms. Determination in biological samples of clinical interventions in humans - Metabolic study" (Dep. of Pharmacy, NKUA).
- 2020-today:** Christodoulos Anagnostou "Phytochemical study of species from the families Boraginaceae, Asteraceae and Anacardiaceae and evaluation of the biological activity of their secondary metabolites" (Dep. of Pharmacy, NKUA).
- 2021-today** Gabriela Belen Lemus Ringle "Phytochemical study and investigation of honey authenticity using conventional methods and modern metabolic profiling approaches" (Department of Pharmacy, NKUA).
- 2020-2025:** Evangelos Kalampokis "Investigation of metabolization mechanisms of bioactive molecules from health promoting edible plants and their products in several in vitro and in vivo systems. Isolation and identification of metabolites" (Dep. of Pharmacy, NKUA).
- 2016-2021:** Maria Eleni Sakavitsi "Investigation of health promoting edible plants and gastrointestinal availability and metabolism of olive oil polyphenols through an in vitro GID-Colon model" (Dep. of Pharmacy, NKUA).
- 2017-2020:** Stavros Beteinakis (IKY Scholarship) "Quality assessment of Extra Virgin Olive Oil (EVOO) and edible olive drupes using NMR spectroscopy and mass spectrometry (MS) metabolic profiling approaches. Quantification studies and identification of biomarker compounds" (Dep. of Pharmacy, NKUA).
- 2017-2019:** Theodora Nikou (IKY Scholarship) "Mass spectrometry-based metabolomics for mapping and quality control of Extra Virgin Olive Oil (EVOO). Evaluation of EVOO marker compounds in animal and human studies" (Dep. of Pharmacy, NKUA)

3-MEMBERS SUPERVISING COMMITTEE OF PHD STUDENTS

(Total 25, Current 17)

- 2024-today:** Clement Neve "Application of green extraction techniques using centrifugal partition methods" (joint PhD between Dep. of Pharmacy, NKUA and Institut de Chimie Moléculaire de Reims, University of Reims).
- 2024-today:** Evi Matiatou "Phytochemical investigation of plants from Ionian islands" (Dep. of Pharmacy, NKUA).
- 2025-today:** Marilyna Perraki "Development and Implementation of Targeted and Untargeted Metabolomic Analysis Procedures for the Investigation of Congenital Metabolic Disorders" (Dep. of Pharmacy, NKUA).
- 2024-today:** Vasileios Siderakis "Valorization of citrus wastes using "green" technologies for extraction and isolation" (Dep. of Pharmacy, NKUA).
- 2024-today:** Iro Kokkinou "Development of functional foods and nutraceuticals based on edible plants from Oleaceae and Lamiaceae family" (Dep. of Pharmacy, NKUA).
- 2024-today:** Maria Xenaki "Development of innovative food products and cosmetics focusing on bioactive compounds from by-products from Coffea arabica and Theobroma cacao" (Dep. of Pharmacy, NKUA).
- 2023-today:** Chrysoula Giota "Study of the anti-inflammatory and antibacterial properties of Chios mastic extracts for the preparation and testing of the clinical efficacy of a new antimicrobial oral preparation" (Dept. of Dentistry, NKUA).
- 2023-today:** Kallirroï Terizi "Study of the biological activity of edible olive varieties and olive oils in vitro with a combination of molecular techniques" (Dep. of Physiology of Animal Organisms and Toxicology, University of Thessaly).
- 2021-today:** Olga Karountzou "Applications of omic technologies in the analysis of complex mixtures and the discovery of active natural products" (Dep. of Pharmacy, NKUA).
- 2020-today:** Christina Koutra "Phytochemical investigation of iridoids with emphasis on Oleaceae family" (Dep. of Pharmacy, NKUA).
- 2023-today:** Ioannis Kiziropoulos "Development and application of modern analytical methods for rapid and reliable quantitative determination of pyrrolizidine alkaloids in medicinal plants and food" (Dep. of Pharmacy, NKUA).
- 2021-today:** Petros Giouvetidis "Correlation of honey secondary metabolites and the corresponding plant species" (Dep. of Pharmacy, NKUA).

- 2023-today:** Melina Sfadou "Isolation of bioactive products of Chios mastic and development of quality control methods for its products" (Dep. of Pharmacy, NKUA).
- 2023-today:** Georgia Papazoglou "Study of plants of the Greek flora for the discovery of active substances with antiviral properties through the application of modern phytochemical analysis approaches" (Dep. of Pharmacy, NKUA).
- 2024-today:** Marianna Vanioti "Metabolomic analysis of plant species of Lamiaceae, Cistaceae, Chenopodiaceae και Poaceae families and identification of their bioactive secondary metabolites" (Dep. of Pharmacy, NKUA).
- 2024-today:** Georgia Vasalaki "Development and Biological Evaluation of Semisynthetic Secoiridoid Derivatives" (Dep. of Pharmacy, NKUA).

Previous position claim

- 2010-today:** Karolos Eleftherakos "Identification of the epidermal exudate of salamanders from the genus *Lyciasalamandra* in Greece" (Dep. of Biology, NKUA).
- 2020-2025:** Panagiota Stamou "Preparation of synthetic derivatives of the triterpenes of Chios mastic (*Pistacia lentiscus* var *Chia*) - Evaluation of their biological properties and structure-activity relationships" (Dep. of Pharmacy, NKUA).
- 2020-2025:** Despoina Lola "Development of a novel resinous wine with an improvement of the traditional production method" (Dep. of Food Science and Human Nutrition, Agricultural University of Athens).
- 2019-2024:** Lemonia Antoniadi "Novel approaches in the phytochemical investigation of traditional therapeutic plants of the Oleaceae family" (Dep. of Pharmacy, NKUA).
- 2018-2024:** Anastasia Liakakou "Phytochemical study and evaluation of antiviral, anti-inflammatory and hepatoprotective effects of plants of the Greek flora" (Dep. of Pharmacy, NKUA).
- 2017-2023:** Petros Tzimas "Phytochemical and metabolomic investigation of the genus *Cannabis*" (Dep. of Pharmacy, NKUA).
- 2018-2023:** Georgia Gogou "Investigation of the effect of olive oil and its secondary metabolites on the regulation of genes implicated in immunity mechanisms of disease development" (Laboratory of Cellular Immunology, Pasteur Hellenic Institute).
- 2017-2022:** Eleni Vaskani Mikropoulou "Development of analytical methodologies and metabolomic approaches with the use of UPLC-MS for the study of the role of nutrition and natural products on several biological systems" (Dep. of Pharmacy, NKUA).
- 2017-2022:** Vasiliki Pachi "Isolation of bioactive natural products from Chios mastic gum, development of analytical methods for the quality control of mastic gum and related products and bioactivity assessment of its constituents" (Dep. of Pharmacy, NKUA).

7-MEMBERS EXAMINING COMMITTEE OF PHD STUDENTS

(Total 13)

- 2022-2025:** Maria Markou "Hydrogen sulfide and inorganic nitrates: Actions and interactions in metabolic diseases" (Dep. of Pharmacy, NKUA).
- 2015-2024:** Eirini Psarou "Investigation of the toxicity of Chios mastic in rats, focusing on hepatotoxicity and genotoxicity" (Benakeio Institute, Athens).
- 2017-2024:** Spiridon Zois "Investigation of the activity of sesame extract and "tahini" on osteoporosis in vivo" (Dep. of Medicine, NKUA).
- 2017-2023:** Kalliopi Karabetsou "Investigation of the activity of secondary metabolites of the species *Olea europaea*, against protozoa of the genus *Leishmania*" (Laboratory of Cellular Immunology, Hellenic Pasteur Institute).

- 2015-2023:** Maria Angelopoulou "Study of antioxidant and photoprotective action of natural products" (Laboratory of Cell Proliferation and Aging of the Institute of Biosciences and Applications of EKEFE "Demokritos").
- 2018-2023:** Christina Fytli "Effects of the administration of olive polyphenolic products on anthropometric and metabolic parameters in overweight and obese patients" (Dep. of Medicine, NKUA).
- 2018-2023:** Georgia Sarikaki «Structure-activity Relationships of Bioactive Molecules of Olive Oil & Their Semi-synthetic Analogues» (Dep. of Pharmacy, NKUA).
- 2018-2023:** Iordanis Samanidis "Pharmacological study of the genus *Helichrysum* Mill. (Asteraceae) in Greece. Study of the narrow-endemic species *H. amorginum* and in vitro bioactivity assessment" (Dep. of Pharmacy, NKUA).
- 2017-2022:** Evangelos Axiotis "Pharmacognostic Study of Plants of the North Aegean Islands" (Dep. of Pharmacy, NKUA).
- 2017-2020:** Paraskevi Kouka "Assessment of antioxidant capacity of Mount Athos olive oil variety using a combination of molecular techniques" (Dep. of Biochemistry and Biotechnology, University of Thessaly).

Previous position claim

- 2016-2020:** Ioannis Kalampokis "Studying the impact of respiratory inhibitors in the metabolism of *Aspergillus* species, by applying molecular genetics and metabolomics" (Faculty of Crop Science, Agricultural University of Athens)
- 2015-2020:** Dimitrios Michailidis "Analysis of vegetable oils and generated by-products: Application of green strategies for extraction and isolation of their bioactive constituents" (Dep. of Pharmacy, NKUA)
- 2014-2020:** Ioanna Maria Orfanou "Discovery of new membrane receptors and proteins as pharmaceutical targets for the treatment of breast cancer" (Dep. of Pharmacology, Medical Biological Research Foundation of the Academy of Athens).

MEMBER OF EXTERNAL COMMITTEES OF FOREIGN PHD STUDENTS

(Total 9)

- 2022-2025:** Stef Lauwers "Investigations Into the Biotransformation, In Vitro, and Clinical Effects of Olive Polyphenols on Cardiovascular Health" (Universiteit Antwerpen, **Belgium**).
- 2022-2025:** Elisabeth Eichenauer "Traditional Austrian Herbal Medicines for Wound Healing 3: Analytics and Bioactivity" (University of Vienna, **Austria**).
- 2020-2024:** Olivier A Kirchhoffer "Development of in-silico and chemo-biological approaches to identify anti-infective and prometabolic natural products" (Faculty of Science, School of Pharmaceutical Sciences, University of Geneva, **Switzerland**).
- 2020-2023:** Luis-Manuel Quirós-Guerrero «Development of a Prioritization Strategy to Efficiently Select Natural Extracts from Large Biodiverse Datasets with a High Structural Novelty Potential" (Section des Sciences Pharmaceutiques, Département de Phytochimie et Produits Naturels Bioactifs, FACULTÉ DES SCIENCES, Geneva, **Switzerland**).
- 2019-2022:** Domenic Mittas "Phytochemical and pharmacological investigations of two graminoid species: *Scirpoides holoschoenus* and *Cyperus articulatus* (Cyperaceae) (Institut für Pharmazie/Pharmakognosie, Universität Innsbruck, **Austria**).
- 2019-2022:** Laura Pieters "Development of an integrated strategy to characterize new lead compounds based on natural pro-drugs and their metabolites: Phytochemical and biological research on the medicinal plants *Herniaria hirsuta* and *Nauclea pobeguini*" (Natural Products and Food - Research and Analysis (NatuRA), Department of Pharmaceutical Sciences, University of Antwerp, Antwerp, **Belgium**).
- 2018-2022:** Julia Zwirchmayr "A Biochemometric Approach for the Identification of In Vitro Anti-Inflammatory Constituents" (Phytochemistry & Biodiscovery, Department of Pharmacy, University of Vienna, **Austria**).

Before previous position claim

- 2016-2020:** Théo Brillatz "*Medicinal Plants to Treat Epilepsy: Discovery of Antiseizure Compounds by In Vivo Zebrafish Bioactivity Guided Isolation*" (Institut des Sciences Pharmaceutiques de Suisse Occidentale – ISPSO, Université de Genève, **Switzerland**).
- 2016-2020:** Katlego Mmopele "*Phytochemical variation, quality control and biopharmaceutical aspects of Olea europaea subsp. Africana*" (Tswane University of Technology, Faculty of Science, **S. Africa**).

SUPERVISION OF MASTERS STUDENTS

(Total 15, Current 2)

- 2025-today:** Mersina Tsantopoulou (Dep. of Pharmacy, NKUA).
- 2024-today:** Eleni Akrivousi "*An NMR-based metabolomics strategy for adulteration detection of natural resins: application to Chios mastic gum*" (Dep. of Pharmacy, NKUA).
- 2023-2024:** Ioanna Deli "*Innovative approaches to wine quality control with dry spot technology*" (Dep. of Pharmacy, NKUA).
- 2023-2024:** Konstantina Papoutsi "*Optimization of enrichment and recovery of cannabinoids of high interest from industrial hemp (Cannabis sativa L.)*" (Dep. of Agriculture and Agrotechnology, University of Thessaly).
- 2021-2023:** Konstantinos Piachas "*Extraction and analysis of industrial hemp seeds (Cannabis sativa L.) and hemp oil from varieties of the Greek territory*" (Dep. of Agriculture and Agrotechnology, University of Thessaly).
- 2021-2023:** Georgia Papazoglou "*Phytochemical Study, Isolation & Identification of Secondary Metabolites of the roots of the plant Alkanna methanaea Hausskn.- (Boraginaceae)*" (Dep. of Pharmacy, NKUA).
- 2021-2023:** Efstathia Karahaliou "*Development of novel molnupiravir analogues with Olea europaea metabolites as improved antiviral agents*" (Dep. of Pharmacy, NKUA).
- 2019-2021:** Despina Sviqou "*Development and application of analytical methods for the quantitative determination of triterpene acids in different substrates (Mastic of Chios, commercial products and stool samples)*" (Dep. of Pharmacy, NKUA).

Previous position claim

- 2018-2020:** Phaedon Ghikas "*Development and application of analytical methodologies for the determination of olive biophenols and their metabolites in biological muscle samples*" (Dep. of Pharmacy, NKUA).
- 2018-2020:** Gabriela Belen Lemus Ringele "*Isolation, identification of biomarker molecules and metabolomic study of Greek honeys using HR-NMR spectroscopy, to investigate authenticity, geographical and botanical origin*" (Dep. of Pharmacy, NKUA).
- 2018-2020:** Panagiota Stamou "*Isolation of the acidic triterpenes of Mastic (Pistachia lentiscus var Chia) and preparation of synthetic derivatives*" (Dep. of Pharmacy, NKUA).
- 2018-2020:** Vasiliki Soursoy "*Development and application of analytical methods for the qualitative characterization of secondary metabolites of honey. Isolation and identification of biomarker molecules*" (Dep. of Biochemistry and Biotechnology - School of Health Sciences, University of Thessaly).
- 2017-2019:** Petros Gioubetidis "*Metabolic and quantitative study of the effect of the components of Chios mastic on the plasma of patients with fatty liver (NAFLD)*" (Dep. of Pharmacy, NKUA).
- 2017-2019:** Ioannis Kyziropoulos "*Phytochemical study, Isolation & Identification of secondary metabolites from the plant Mandragora autumnalis, Bertol - Solanaceae*" (Dep. of Pharmacy, NKUA).

2017-2019: Maria Chalkiadaki "Development and application of analysis methodologies for the isolation, qualitative and quantitative characterization of secondary metabolites from genetically modified *Escherichia coli* bacterial cultures" (Dep. of Pharmacy, NKUA).

3-MEMBERS EXAMINING COMMITTEE OF MASTERS STUDENTS

(Total 27, Current 3)

2024-today: Panoraia Saplaoura (Dep. of Pharmacy, NKUA).
2024-today: Georgia Papadopoulou (Dep. of Pharmacy, NKUA).
2023-today: Maria Chasapladaki (Dep. of Pharmacy, NKUA).
2021-2025: Danai-Vaia Stratiki "Current status in substance dependence – treatment and requirements in opioid use disorder" (Dep. of Toxicology, University of Thessaly).
2022-2024: Selini Minniki "Comparative study of various species of the Oleaceae family with regard to the metabolites oleuropein and ligstrosidic acid and evaluation of their hepatoprotective activity" (Dep. of Pharmacy, NKUA).
2022-2024: Pantelis Argyris "Application of molecular distillation technique for enrichment of sesame oil in sesamin and sesamolin and phytochemical analysis of sesame perisperm" (Dep. of Pharmacy, NKUA).
2023-2024: Georgia Vasalaki "Synthesis of hybrid molecules from *Cannabis sativa* L. και *Olea europaea* L." (Dep. of Pharmacy, NKUA).
2023-2025: Maria Drakonaki "Development of analytical mass spectrometry techniques for the detection and quantification of oleuropein in plasma: Preliminary application to plasma samples" (Dep. of Pharmacy, NKUA).
2021-2023: Ilias Chambilomatis "Fractionation of Cannabis Extracts Using Amberlite XAD-7 Macroporous Resin Coupled with Short-Path-Distillation for the Recovery of Cannabidiol isolate and other Bioactive Constituents" (Dep. of Pharmacy, NKUA).
2021-2023: Thomas Kostaropoulos "Assessment of the antioxidant capacity of Greek wines and beer with a combination of in vitro techniques" (Dep. of Biochemistry and Biotechnology - School of Health Sciences, University of Thessaly).
2021-2023: Maria Gasdroga "Utilization of the essential oil of cannabis (*Cannabis sativa*) and the by-products of the vine, of the local variety Muscat Hamburg (*Vitis vinifera* var. Muscat Hamburg) for the production of natural cosmetics" (Dep. of Biochemistry and Biotechnology - Faculty of Health Sciences, University of Thessaly).
2021-2023: Tryphonia Fortomari "Assessment of the effect of honey samples on biomarkers of redox state of mouse macrophage cells" (Dep. of Biochemistry and Biotechnology - School of Health Sciences, University of Thessaly).
2021-2023: Stefania Mavrakou "Streptomyces rhizosphere of the plant *Ebenus sibthorpii*: Analysis of chemical content and study of biological action" (Dep. of Pharmacy, NKUA).
2021-2023: Maria Xenaki, "Investigation of the processing and extraction conditions of the olive fruit for the isolation of secoiridoids" (Dep. of Pharmacy, NKUA).
2020-2022: Victoria Karaperi "The study of the biological action of extracts from olive leaves and olive fruit pickling on endothelial cells" (Biotechnology - nutrition quality and environment, University of Thessaly).
2018-2021: Vassilios Siderakis "Phytochemical study of by-products of wineries" (Dep. of Pharmacy, NKUA).
2018-2021: Aikaterini Symianaki "Study of modern techniques for separating and receiving cannabinoids" (Dep. of Pharmacy, NKUA).
2018-2021: Christina Koutra "By-products of olive cultivation. Development of a leaf extraction method to obtain extracts enriched in oleuropein and oleacein. Comparative study of antioxidant activity and phenolic content of olive leaves and branches from the same tree" (Dep. of Pharmacy, NKUA).
2018-2020: Christodoulos Anagnostou "Phytochemical study of Chios mastic leaves (*Pistacia lentiscus* L.-*Anacardiaceae*) - Metabolomic study" (Dep. of Pharmacy, NKUA).

Previous position claim

- 2018-2020:** Zoe Papoutsaki "Development and application of analytical methodologies for the quality control of extra virgin olive oils with an emphasis on biophenols. Comparative studies and correlations with the EFSA health claim" (Dep. of Pharmacy, NKUA).
- 2018-2020:** Efthimia Routsis "Enrichment of edible vegetable oils with bioactive ingredients from olive products and by-products" (Dep. of Pharmacy, NKUA).
- 2018-2020:** Andrianna Papadimitriou "Isolation and characterization of secondary cannabinoids from industrial hemp (*Cannabis sativa* L.) and evaluation of the biological activity" (Dep. of Pharmacy, NKUA).
- 2018-2020:** Anna Eugenia Papadopoulou "Olive endophytes: Study and evaluation of them as sources of bioactive substances for use in plant protection" (Dep. of Plant Production Science, Agricultural University of Athens).
- 2018-2020:** Athanassios Tassipetris "Modifying effect of botanical extracts on the characteristics of epileptoid discharges in vitro of pyramidal neurons of the CA1 area of the rat hippocampus" (University of Ioannina, Dep. of Biological Applications & Technologies of Human & Animal Physiology).
- 2017-2019:** Lemonia Antoniadis "Using Reflux Chromatography for the extraction of bioactive components of high added value from gentian extracts and olive products" (Dep. of Pharmacy, NKUA).
- 2017-2019:** Anna Stefanitsi "Determination of biophenols in virgin olive oil samples by liquid chromatography and their correlation with the health claim of the European Food Safety Authority" (Dep. of Chemistry, Laboratory of Analytical Chemistry, University of Ioannina).
- 2017-2019:** Konstantinos Siafakas "Development of a method for receiving and analyzing the triterpene fraction and the essential oil of Mastic" (Dep. of Pharmacy, NKUA).

SUPERVISION AND/OR PARTICIPATION OF BACHELOR THESIS EXAMINING COMMITTEES

(Total 12, Supervision 6)

- 2025-today** Lemonia Simeonidou (Supervisor).
- 2025-today** Gianopoulou Pinelopi (Supervisor).
- 2022:** Euthimia Panteli "Isolation of metabolic derivatives of hydroxytyrosol from genetically modified *Escherichia coli* bacterial cultures" (Supervisor).
- 2022:** Ilianthi Tsami "Comparative study of melitogenic plants and honeys for the investigation of common metabolites" (Supervisor).
- 2022:** Maria Pavlea "Development and application of High-Performance Thin Layer Chromatography (HPTLC) methodologies for honey and table olive quality control" (Supervisor).
- 2021:** Vlasios Tsounis "Quantitative determination of resveratrol in vine vines (*Vitis vinifera*, Vitaceae) of nine varieties from Crete" (Supervisor).
- 2024:** Theodoros Voyatzis "Recovery of phenolic compounds from olive oil through counterflow supercritical extraction".
- 2021:** Ilias Chambilomatis "Use of preparative chromatography techniques for the isolation of cannabidiol and other cannabinoids in high purity".
- 2018:** Konstantina Touvleliou "Comparative study of the chemical profile of olive and olive oil of different varieties".
- 2018:** Kyriaki Hartalou "Cannabis Sativa L.: Comparison of extraction techniques and chromatographic analysis".
- 2017:** Ioanna Pisimisi "Phytochemical Investigation and Isolation of Secondary Metabolites from the Plant Species *Oryza sativa*, *Avena sativa*, *Triticum dicoccum* & *Pistacia vera*".

2017: Katia Kourkoulis "Qualitative and quantitative study of olive and wild olive leaves of different origins. Measurement of oleuropein levels in olive varieties cultivated with the same practices".

PARTICIPATION / CO-SUPERVISION IN SUPERVISION BEFORE APPOINTMENT

MASTERS STUDENTS

(Total 19)

- Stelios Fakas (2001-2003): *Phytochemical investigation of Trifolium uniflorum – Leguminosae.*
- Aristea Paschali (2003-2006): *Isolation, structure elucidation and biological investigation of Anthyllis hermanniae – Leguminosae.*
- Niki-Eliza Arapogianni (2005-2007): *Phytochemical Investigation and Biological Investigation of Cistus salvifolius – Cistaceae.*
- Eirini Kouloura (2007-2009): *Application of modern techniques for the isolation and characterization of acetophenones and alkaloids of Acronychia pendunculata – Rutaceae.*
- Eirini Danika (2009-2011): *UPLC-HRMS-based Detection, isolation and identification of coumarines from Micromelum falcatum – Rutaceae.*
- Anna Stefanou (2009-2011): *NMR & LC-HRMS metabolic profiling of the woodsof Vitis vinifera – Vitaceae for the discrimination of resistant cultivars against pathogens – Identification of biomarkers.*
- Katerina Antoniou (2010-2012): *Analysis, isolation and identification of secondary metabolites from the seeds of Cucurbita maxima – Cucurbitaceae.*
- Periklis Kanakis (2011-2012): *Detection and isolation of secondary metabolites from olive – Quantitative monitoring of active constituents during the olive oil production procedure.*
- Maria Eleni Sakavitsi (2012-2015): *Phytochemical investigation, isolation and identification of Erythrina excelsa Baker and Onobrychis alba subsp. laconica of Leguminosae family.*
- Theodora Nikou (2013-2015): *Development and application of analytical methodologies for the mapping and quality control of Greek extra virgin olive oil.*
- Georgia Sarikaki (2014-2016): *Development and application of certified analytical methods for the quality control of extra virgin olive oils. Mapping of Greek olive oils focusing on biophenols and correlation with EFSA health claim (EK 432/2012).*
- Maria Spiliopoulou (2013-2016): *Isolation, identification and quantitation of g-oryzanol in rice (Oryza sativa L.) milling by-products.*
- Maria Pitscheider (2015): *Diplomarbeit: "Sample preparation issues of human faecal samples prior LC-MS and NMR analysis" Zur Erlangung des akademischen Grades, Magistra der Pharmazie, (Fakultät für Chemie und Pharmazie, an der Leopold-Franzens-Universität, Innsbruck).*
- Eleni Vaskani-Mikropoulou (2014-2016): *Cooked edible greens of Greece: "chórta" and their decoctions as sources of valuable water-soluble phytonutrients.*
- Aikaterini Kourkouli (2014-2016): *Monitoring of oleuropein levels in olive leaves from deferent varieties and origins as well as in herbal preparations.*
- Ioanna Pisimisi (2015-2017): *Isolation of secondary metabolites and characterization of extracts derived from the pericarp of edible seeds.*
- Marianna Stomi (2015-2017): *Development of analytical methodologies for the identification of biomarkers in human feces samples.*
- Errikos Kallergis (2015-2017): *Metabolomics study and quantitation of Chios Mastic constituents in human plasma and urine – a metabolism study.*
- Vasiliki Pachi (2015-2017): *Establishment of analytical methods for the characterization of triterpenic acids in Chios Mastic and commercial preparations.*

PhD THESIS

(Total 5)

- Sefirin Djiogue (2007-2010): *Phytochemical analysis of the plant Erythrina poeppigiana – Leguminosae. Biological evaluation of the estrogenic activity of the isolated isoflavonoids.*
- Job Tchoumtchoua, (2009-2015): *Development of an UPLC/HRMS & HRMS/MS-based platform for the detection and identification of phytoestrogens in crude plant extracts – In vitro and in vivo evaluation of phytoestrogens from Amplimas pterocarpoides – Fabaceae.*
- Nikolaos Lemonakis (2010-2014): *Development and application of LC-MS methods for the quality control of olive-based herbal medicinal preparations and quantification of olive oil metabolites in biological fluids.*
- Quc Dang Thai (2010-2013): *Isolation, structural determination and biological evaluation of secondary metabolites from Platanus sp., Platanaceae – Discovery of new biomarkers responsible for resistance against pathogens.*
- Eirini Kouloura (2010-2014): *LC/HRMS&HRMS/MS and NMR-based metabolic profiling for the identification of Acronychia-acetophenones in Rutaceae species – Exploration of structure-activity correlations, cytotoxic and anti-inflammatory properties.*

ADMINISTRATIVE DUTIES

- Elected Director of Laboratory of Valorization of Bioactive Natural Products (June 2025)
- Member of the Bioethics committee of Pharmacy Department (2017-today)
- Member of the chemical waste collection committee of Pharmacy Department (2017-2022)
- Member of the Curriculum Committee (2023-2025)
- Member of the Disabled Students Committee (2022-today)
- Member of the Postgraduate Study Program Committee (2023-today)
- Participation in central tenders for the supply of equipment's of NKUA (2017-2018)
- Participation in various committees for drafting technical specifications for instruments, receipt of supplies etc.

RESEARCH INTERESTS

- Separation and isolation 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 quantitative and qualitative methods for the chemical characterisation of plant extracts using HPLC-UV/ELSD, SFC-UV/MS, GC-FID/MS & LC-MS. Identification of natural products using LC-HRMSn techniques as well as development and application of «dereplication» approaches θσιννν LC/UPLC-DAD-HRMS&HRMSn methodologies for the targeted isolation of bioactive natural products.
- Profiling, mapping and identification of proteins in biological samples via nano-LC-HRMS/MS techniques. Development and application of proteomics and pharmacoproteomics approaches for the investigation of the biological role of natural products and their implication in pathways related to apoptosis.
- NMR and LC-MS-based metabolomics approaches (metabolic profiling, fingerprinting) for the targeted identification of new bioactive compounds and biomarkers as well as for the quality control of foods, foodstuffs, food supplements, herbal preparations and phytotherapeutics.
- Chemical characterization and quantitative determination of bioactives in foods, food supplements and phytotherapeutics using UPLC-DAD, GCMS και FTMS (LC-Orbitrap & FTICR). Development and validation of analytical methods for the quantitation of biophenols in foods and food products (e.g. olive oil, table olives, honey, Chios mastic gum, mountain tea).

- Development and application of LC-MS & GC-MS methodologies for the analysis (qualitatively and quantitatively) of bioactive natural products in biological substrates (plasma, urine, feces).
- Development of remote microsampling workflows for authentication of foods. Off-line and on-line hyphenation with analytical platforms (LC-MS and HRMS/MS)
- Investigation of ADME properties of bioactive natural products *in vitro/ n vivo* models using LC-HRMS & HRMS/MS as well as study of metabolism thereof via human intervention studies. Exploration of gut microbiota impact in the metabolization fate of bioactive compounds.

SKILLS-TECHNIQUES / COMPUTING

Responsible for installation, maintenance and proper operation of the analytical facilities of our group. Specifically: HPLC devices connected to PDA (Spectra SYSTEM – Thermo Finnigan), ELSD (Varian)/ELSD (Agilent) and 1 RI (Dionex) detectors, 1 UPLC/DAD/FLD apparatus (Waters), 1 UPLC/DAD apparatus (Waters), 1 preparative-HPLC/UV-Vis (Spectra System), 1 preparative-HPLC/DAD (Spectra System), 1, SFC-UV/MS (Waters), 1 GC-FID/MS (Agilent), 1 LC-MS (MSQ–Thermo Finnigan), 1 UPLC-HRMS (hybrid LTQ-Orbitrap Discovery – Thermo Finnigan) equipped with ESI, APCI, APPI probes, 1 UPLC-MS/MS (Triple Quad – Bruker) and UHPLC-HRMS/MS (qTOF – ABSciex). 1DBS Platform (AxelSemrau).

Software for databases search (Beilstein commander-Crossfire, SciFinder, Reaxys), HPLC system operation and data processing (ChromQuest, Empower), NMR (WinNMR, MestReC, TopSpin), GC-& LC-MS (XCalibur, MassLynx, Analyst), library generation and LC-MS data processing (Mass Frontier, ProteoWizard, MZmine, Sciex OS), proteomics applications (Analyst, Protein Pilot, DAVID, Ingenuity) and data processing & statistical programs for metabonomics/metabolomics applications (SigmaPlot, SIMCA, MZmine, AMIX, Metaboanalyst).

SCIENTIFIC NETWORKS

- Member of the international network **"Mass Spectrometry Metabolomics Annotation Collaboration - MSMeAnCo"**. It aims to identify effective approaches in the field of metabolomic data processing and identification with mass spectrometry (Oregon State University, Simon Fraser University, University of British Columbia University of British Columbia, University of North Carolina Greensboro, University of Paul Sabatier-Toulouse 3, Université de Nantes Université Paris-Saclay Wageningen University, NKUA).
- Member of the international network **"mFam – Prediction of substances classes based on spectral data - Natural Products Mass Spectrometry Database"** led by University of Halle, Leibniz Institute of Plant Biochemistry, Germany (Prof Steffen Neumann, Dr Gerd Balcke) (Leibniz Institute of Plant Biochemistry, Germany, Weizmann Institute of science, Israel, University of Geneva, Switzerland, Donald Danforth Plant Science Center, United States, Edith Cowan University, Australia, Colorado State University, United States, Max Planck Institute of Immunobiology and Epigenetics, Germany, UC Davis Genome Center, United States. University of Hohenheim, Germany, Universität Heidelberg, Germany, Vlaams Instituut voor Biotechnologie, Belgium, Ghent University, Belgium, Uppsala University, Sweden, Wageningen University & Research, Netherlands, French National Institute for Agricultural Research, France, National Institute of Standards and Technology, United States, University of Missouri, United States, NKUA)
- Representative of Greece in the international epidemiological study **"Retrospective treatment – outcome study – RTO"** regarding the effectiveness of measures taken and the treatment of the new Corona virus (CoViD-19) symptoms in Greek population <https://pharma.unige.ch/limesurvey/index.php/325429?newtest=Y&lang=el>, <https://el.rtocovid19.com/>
- Representative of Greece in the China-Balkan cooperation network **«Natural Products and Drug Discovery» – PANDA** in the context of **«Belt and Road»** initiated in 2019.
- Member of the International **«Yale Olive Institute – YOI»**, Yale School of Public Health, from 2018

SCIENTIFIC COLLABORATIONS (indicatively)

- **National and Kapodistrian University of Athens, ATHENS, GREECE**
 - Medical School, Biology Laboratory, Athens, Greece (Prof. A. Iliopoulos).
 - Department of Cell Biology & Biophysics Faculty of Biology, Athens, Greece (Prof. I. Trougakis).
 - Department of Biology, Division of Botany, Athens, Greece (Emeritus Prof. N. Christodoulakis).
 - First Department of Propaedeutic and Internal Medicine, Medical School, National and Kapodistrian University of Athens, Laiko General Hospital (Dr N. Tentolouris, Dr A. Kokkinos).
 - Experimental Physiology at the Medical School (Ass. Prof., K. Palikaras).
- **Harokopio University of Athens, ATHENS, GREECE**
 - Laboratory of cellular and molecular Biology, Department of Nutrition Science and Dietetics, Athens, Greece (Prof. G. Dedousis).
 - Laboratory of cellular and molecular Biology, Department of Nutrition and Dietetics, (Prof. V. Karathanos, Ass.Prof. A. Gianni).
- **National Center for Scientific Research DEMOKRITOS, ATHENS, GREECE**
 - Laboratory of Ageing and Cell Proliferation, Athens, Greece (Dr D. Kletsas, Dr H. Pratsinis).
 - Institute of Nanoscience and Nanotechnology, Stable Isotopes Unit (Dr E. Ntotsika).
- **Agricultural University of Athens ATHENS, GREECE**
 - Faculty of Crop Science, Laboratory of Pesticide Science (Ass. Prof. K. Aliferis).
 - Prof. G. Kotseridis, Department of Food Science & Human Nutrition, Laboratory of Enology.
- **University of Ioannina, IOANNINA, GREECE**, Medical School, Pharmacology Laboratory, Ioannina, Greece (Prof. A. Antoniou).
- **Democritus University of Thrace, ALEXANDROUPOLI, GREECE**. Department of Medicine, Department of Radiotherapy and Oncology, Alexandroupoli, Greece & University of Oxford, Department of Oncology, Oxford, United Kingdom (Ass. Prof. C. Zois).
- **Foundation for Research & Technology - Hellas (IMBB FoRTH), HERAKLION, GREECE.**
 - Institute of Molecular Biology & Biotechnology, Department of Clinical Microbiology and Microbial Pathogenesis, School of Medicine, University of Crete, (Dr G. Chamilos).
 - Institute of Molecular Biology and Biotechnology, (Prof. I. Vontas).
- **University of Vienna, VIENNA, AUSTRIA**
Department of Pharmaceutical Sciences, Division of Pharmacognosy, Austria (Prof. J. Rollinger, Prof. V.M. Dirsch).
- **Karl-Franzens University of Graz, GRAZ, AUSTRIA**
Institute of Pharmaceutical Sciences, Department of Pharmacognosy (Assic. Prof. E.M. Pferschy-Wenzig, Emeritus Prof. R. Bauer).
- **Medical University of Graz, GRAZ, AUSTRIA**
Division of Immunology (Prof. S.J. Holasek).

- **Université de Reims Champagne-Ardenne, REIMS, FRANCE**
Institut de Chimie Moléculaire de Reims, (Prof. JH Renault, Prof. P. Lameiras).
- **University of Orleans, ORLEANS, FRANCE**
Institut de Chimie Organique et Analytique (Ass. Prof. D. Da Silva).
- **Université de la Polynésie Française, TAHITI, FRENCH POLYNESIA**
Equipe EIMS - Etude Intégrée des Métabolites Secondaires (Prof. P. Raharivelomanana Bianchini).
- **University of Antwerp, ANTWERP, BELGIUM**
Department of Pharmaceutical Sciences, Natural Products and Food - Research and Analysis (NatuRA), Belgium (Prof. L. Pieters, Prof. N. Hermanns, Ass. Prof E. Tuenten).
- **University of Geneva, GENEVA, SWITZERLAND**
School of Pharmacy, Department of Pharmaceutical Science, Laboratory of Pharmacognosy and Phytochemistry, Geneva, Switzerland (Prof. JL Wolfender, Dr. E. Queiros).
- **Zurich University of Applied Sciences, WADENSWILL, SWITZERLAND**
Natural Products and Phytopharmacy Research Group (Prof. E. Wolfram).
- **Technical University of Munich, MUNICH, GERMANY**
Department Chemie, Werner Siemens-Chair of Synthetic Biotechnology (Prof. T. Brück).
- **University of Halle, HALLE, GERMANY**
Leibniz Institute of Plant Biochemistry, (Dr G. Balcke – Head of LC-MS Metabolomics).
- **University of Bayreuth, BAYREUTH, GERMANY**
Department of Biopolymers and Research Center for Bio-Macromolecules, (Prof. S. Schwarzingen).
- **Technical University of Dresden, DRESDEN, GERMANY**
Institute of Zoology, Department of Endocrinology and Cell Physiology, Dresden, Germany, (Emeritus Prof. G. Vollmer, Prof. O. Zierau).
- **Medical University of Lublin, LUBLIN, POLAND**
Department of Pharmacognosy with Medicinal Plant Unit, Poland (Prof. W. Kukuła-Koch).
- **University of Information Technology and Management, RZESZOW, POLAND**
Department of Cosmetology (Prof. K. Gawel-Bęben).
- **Teagasc Food Research Centre, CORK, IRELAND**
APC Microbiome Laboratory (Dr P. Cotter).
- **University of Riga, RIGA, LATVIA**
Latvian Institute of Organic Synthesis, Laboratory of Pharmaceutical Pharmacology (Prof. M. Dambrova).
- **Norges Miljø-og Biovitenskaplige Universitet (NMBU), Department of Preclinical Sciences and Pathology, Norway**
(Dr Alexander Crawford).
- **Imperial College of Science, Technology and Medicine, LONDON, UK**
Precision and Systems Medicine, Department of Metabolism, Digestion and Reproduction - Faculty of Medicine / Imperial International Phenome Training Centre (Assoc. Prof. I Garcia Perez, Dr. E. Holmes) .

- **University of Bath, BATH, UK**
Centre for Therapeutic Innovation, Department of Life Sciences, (Prof. N. Fotaki).
- **University of Novi Sad**, Faculty of Medicine, Department of Pharmacy, Serbia (Prof. Nataša Milić).
- **University of Sfax, SFAX, TUNISIA**
Department of Chemistry, College of Science (Prof. N. Allouche).
- **Mongolian National University of Medical Sciences, ULAANBAATAR, MONGOLIA**
Department of Pharmaceutical Chemistry and Pharmacognosy, School of Pharmacy (Prof. D. Khurelbat)
- **Ohio State University, OHIO, USA**
Department of Food Science and Technology (Prof. E. Hatzakis).
- **University of North Carolina, GREENSBORO, USA**
Department of Chemistry and Biochemistry, USA (Prof. N.B. Cech).
- **Shanghai Pharmaceutical Science and Technology, SHANGHAI, CHINA**
Natural Product Research Center (Prof Y. Ye).
- **National Engineering Laboratory for Biomass Chemical Utilization NANJING, CHINA**
Institute of Chemical Industry of Forest Products, Institute of Chemical Industry of Forest Products, Key and Open Laboratory on Forest Chemicals (Prof. C.Z. Wang).

RESEARCH GRANTS

Principal Investigator (PI)-Coordinator / Participant / Sub-contractor)

(>2 000 000€ for NKUA)

1. **CNRS Chimie 2026–2030**. Creation of the International Research Project (IRP) “Natural products and climate resilience: holobionts, a perspective for studying biodiversity and agricultural sustainability”. **ADAPTORS**. Total budget 75 000€ / Participant.
2. **HORIZON-MSCA-2024-DN-01 (2025-2029)**. Mapping the Uncharted Human Metabolism for Novel Food Bioactives **Biotransform**. Total budget 3 290 005.44€ / NKUA PI, budget 538 968.96€.
3. **H2020-MSCA-SE-2022 (2024-2028)**. Green chemistry and biotechnology approaches for the development of nature-based cosmetics – **GreenCosmln**. Total budget 1 297 200€ / NKUA-PHARM, budget 266 800€ – PROJECT COORDINATOR.
4. **Hellenic Foundation of Research and Innovation, H.F.R.I.-ELIDEK-Basic Research Financing (Horizontal support for all Sciences), National Recovery and Resilience Plan (Greece 2.0)**. Improving the sustainability of malaria vector control – **MALVEC**. Total budget (400 00€) / NKUA PI, budget 120 000€.
5. **Hellenic Foundation of Research and Innovation, H.F.R.I.-ELIDEK - 4th Call for H.F.R.I. Doctorate Scholarships (A.P. 42328/21.12.2021)**. Phytochemical and authenticity investigation of honey using conventional methods and modern metabolic profiling approaches (scholarship code 9427) / budget 21,600€ – PROJECT COORDINATOR.
6. **ESPA 2014-2020, REGIONAL FUNDING OF ATTICA 2014-2020, ACTION «RESEARCH AND INNOVATION INTERACTIONS FROM ATTICA REGION»**. “Optimization and production of innovative products with superior characteristics in the field of bakery” – **Zidoron**. Total budget 393 297.5€ / NKUA-PHARM PI, budget 44 547.5€.

7. **Brazilian National Council for Scientific and Technological Development (CNPq)-Brazilian federal government under the Ministry of Science and Technology (2023-2026).** “Chemical similarity of species of *Phyllanthus* L. gene: use of chemometrics for the analysis of fingerprints obtained by HPLC and NMR and correlation with their antiurolithic activities *in vitro*”. Post Doctoral scholarship (Συνολικός προϋπολογισμός 22 000€) - **NKUA PI**.
8. **Brazilian National Council for Scientific and Technological Development (CNPq)-Brazilian federal government under the Ministry of Science and Technology (2023-2026).** “Assessment of the impact of environmental metadata on the metabolic profile of honey and its correlations with fibroblast proliferation as a strategy in the search for quality markers for medicinal use”. Post Doctoral scholarship (Συνολικός προϋπολογισμός 21 000€) - **NKUA PI**

Previous position claim

9. **Hellenic Foundation of Research and Innovation, H.F.R.I. – Flagship actions 2018-2021:** Creation of national networks in value chains of olive – The foremost flagship initiative in Greece “*Olive roads*” (2018ΣΕ01300000). Total budget 3 090 940€ / **NKUA-PHARM PI**, budget 54 594€.
10. **Hellenic Foundation of Research and Innovation, H.F.R.I. – Flagship actions 2018-2021:** Creation of national networks in value chains of olive – The foremost flagship initiative in Greece “*The roads of Bee*” (2018ΣΕ01300000). Total budget 1 360 784€) / **NKUA PI**, budget 79 860€.
11. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION» (2020-2022):** Development of innovative cosmetic products based on the Greek biodiversity – **CosmAGE (T2EΔK-02583)** - Total budget 995 022€ / **NKUA-PHARM PI**, budget 203 278€.
12. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION» (2021-2023):** Research and Development of Innovative Phytotherapeutics based on Chios Mastic Gum with Anti-hypertensive activity - – **HYPER-MASTIC (T2EΔK-00547)**. Total budget 999 994 € – **NKUA PI**, budget 234 257€.
13. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION» (2020-2022):** Preclinical evaluation of the efficacy of agonist and antagonists of the endocannabinoid system, in a autism animal model - Fmr1 KO – **CANNABISinAutism (T2EΔK-02075)** . Total budget 998 978€ / **NKUA PI**, budget 130 000€.
14. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION (2019-2022):** Innovative biotechnological production of plant derived antioxidants from microbiological “factories” and essential oils from native plants of Greek biodiversity, for the development of new, high-quality health-protective products and food supplements – **Antiox-Plus (T1EΔK-04267)**. Total budget 999 762€ / **NKUA PI**, budget 146 950€.
15. Valorisation of waste from kernel oil mills and refineries, via modern extraction and isolation techniques, for the production of optimized kernel oil and squalene products, **SQUAKER** – 37 200€ (subcontractor).
16. Innovative final products based on the hydrodistillation of aromatic plants of Greek biodiversity, **HYDRAROMA** – 37 200€ (subcontractor).
17. Innovative approaches for plant protection from phytopathogens of Xanthomonadaceae family using audiovisual technology and molecular biology, **Innova-Protect** - 37 200€ (subcontractor).
18. Agricultural waste of edible plants of Santorini as a source of phytochemicals for the development of novel food supplements of high added value, **SANTOGNOSE** - 48 400€ (subcontractor).
19. **PRAXE/STAGE A-2003-2004:** PI of the Research project “Production and commercialization of bioactive compounds with high-added value - phytoestrogens” (K.A. 70/3/208), 15,000€.

Participation in the Preparation, Submission, Implementation and Administration of Research programs

20. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION (2021-2023):** “Utilization of olive oil by-products and waste, for the production of innovative biofunctional feed and quality animal products” - **OliveFeed (T2EΔK-03891)** / NKUA-PHARM budget 330 000€.
21. **ESPA 2014-2020, CENTRAL GREECE REGIONAL:** “Valorisation of plant species of the genus *Sideritis* aiming to development of dietary supplement” - **SIDNEU (T1EΔK-04301)** / NKUA-PHARM budget 151 387€.
22. **EPAnEK 2014-2020 - DEVELOPMENT OF SUPPORT MECHANISMS - “STRENGTHENING RESEARCH AND INNOVATION INFRASTRUCTURE”:** “Research infrastructure for the molecular characterisation of foods” – **Foodomics-GR (MIS: 5029057)** / NKUA-PHARM budget 170 000€.
23. **EPAnEK 2014-2020 - DEVELOPMENT OF SUPPORT MECHANISMS “STRENGTHENING RESEARCH AND INNOVATION INFRASTRUCTURE”** “Upgrade of Plant capital” – **PlantUp (MIS: 5002803)** / NKUA-PHARM budget (1 497 000€) – **Member of Board of Directors.**
24. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION (2019-2022):** “Development of “smart” olive-based dietary supplement for patients with coronary heart disease and metabolic syndrome” - **OliveHeart (T1EΔK-02434)** / NKUA-PHARM budget 265 000€.
25. **EPAnEK 2014-2020: BILATERAL COOPERATION GREECE-CHINA:** “Natural products from Greek and Chinese food plants for the development of innovative applications in the food / food supplements industry” - **NUTRAFOOD (T7ΔKI-00296)** / NKUA-PHARM budget 163 020€.
26. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION (2019-2022):** “Development of methodologies for the quality control and adulteration of olive products using modern analysis and chemometrics” - **HOLEA (T1EΔK-03816)** / NKUA-PHARM 267 500€.
27. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION (2021-2023):** “Development of food supplement with anti-atherogenic properties from Greek berries” – **BLOODY-BERRY (T2EΔK-03427)** / NKUA-PHARM budget 400 094€.
28. **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION (2020-2022):** “Development of food supplement based on beets and arugula to improve athletic performance and address cardiovascular risk factors for metabolic syndrome” – **VEGNO (T2EΔK-00843)** / NKUA-PHARM budget 277 638€.
29. **H2020–MSCA–RISE–2016 (2017-2022).** “Bioactive compounds from *Olea europaea*: investigation and application in food, cosmetic and pharmaceutical industry” - **Olive-Net (GAN 734899)** / NKUA-PHARM budget 445 500€.
30. **H2020–MSCA–RISE–2015 (2016-2020).** “Novel natural products for healthy ageing from Mediterranean diet and food plants of other global sources” – **Medihealth (GAN 691158)** / NKUA-PHARM budget 243 826€.
31. **FP7-CAPACITIES-REGPOT (2011-2015).** “INtegrating the emerging research Potential of the University of Athens-Cancer Research Group in the European research area” - **INsPiRE (GAN 284460)** / NKUA-PHARM budget 850 000€.
32. **FP7-PEOPLE–Marie Curie Action-IAPP (2011-2015).** “Integrated technologies for the discovery and development of cosmeceutical agents from plant biodiversity” – **Natprotec (GAN: 286287)** / NKUA-PHARM budget 622 239€.
33. **FP7-PEOPLE–Marie Curie Action-IRSES (2011-2015).** “hERG Related Risk Assessment of Botanicals” – **hERGscreen (GAN: 295174)** / NKUA-PHARM budget 35 016€.
34. **FP7-PEOPLE–Marie Curie Action-IRSES (2010-2014).** “Exploring chemical biodiversity with innovative approach for fighting changes and Leishmaniasis” – **ChemBioFight (GAN: 269301)** / NKUA-PHARM budget 167 076€.
35. **FP7-KBBE-COOPERATION-2009-3-1-04 (2010-2014).** “For the Seventh Framework Programme of the European Community for Research, Technological Development and Demonstration Activities “From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest” – **AGROCOS (GAN: 245336)** / NKUA-PHARM budget 857 942€.

- 36. Cooperation 2009 (09SYN-13-1076) – 2011-2015:** “Development of natural products and derivatives aiming to the prevention and treatment of osteoporosis: transcriptomics, proteomics and metabolomic approaches” – **OSTEPRO** (KA70/3/10764) / NKUA-PHARM budget 191 305€ - Team member.
- 37. FP7-PEOPLE–Marie Curie Action-IAPP (2008-2011).** “Bioactive natural compounds extracted and isolated from olive tree using modern technologies: Probing into their therapeutic potential” - **OLITEC (GAN 70/3/9920)** / NKUA-PHARM budget 365 529€.
- 38. FP7-CAPACITIES-REGPOT (2007-2010).** “Reinforcing Scientific and Technological Potential of the Natural Products Laboratory – University of Athens” – **NatForce (GAN: 70/3/9491)** / NKUA-PHARM budget 1 272 238€.
- 39. EU-RTD QUALITY OF LIFE AND MANAGEMENT OF LIVING RESOURCES (2002-2005).** Key Action I-Health Food and Environment, Project N0 QLKI-2002-2453 “Improving health through dietary phytoestrogens: A Pan-European network on consumers’ issues and opportunities for producers” – **Phytohealth** / NKUA-PHARM budget 22 650€ - Team member.

SCIENTIFIC SOCIETIES / COMMITTEES

- Hellenic Medical Society for Cannabinoids
 - Metabolomics Society
 - Hellenic Pharmaceutical Association (**EFE**)
 - European Society of Pharmacognosy (**PSE**)
 - HPTLC Association
 - Society for Medicinal Plant and Natural Product Research (**GA**)
 - American Society of Pharmacognosy (**ASP**)
 - International Society for Horticultural Science (**ISHS**)
 - Hellenic Society of Mass Spectrometry (**HelIMS**)
 - Thematic network PHYTOHEALTH
- 2011-2013: Member of the IV Scientific Advisory and Authorisation Board for nutraceuticals and herbal preparations of **National Organisation of Medicine (EOF)**.
 - 2016–today: Member of expert group of European Pharmacopoeia – **European Directorate for the Quality of Medicines & Health Care (EDQM)** - Working group 13A - Herbal Drugs and Herbal Drug Products.
 - 2018-2020: Member of the Scientific Advisory Board for “Final products based on pharmaceutical Cannabis” of **National Organisation of Medicine (EOF)**.
 - 2020-today: Member of the Board of Directors of “**Society for Medicinal Plant and Natural Product Research**” (**GA**)
 - 2024-today: Member of ad hoc expert groups (AHEGs) of **European Medicines Agency – EMA**

EDITORIAL BOARDS OF SCIENTIFIC JOURNALS

- 2021–today Journal of Ethnopharmacology
- 2019–2022 Planta Medica International Open (PMIO)
- 2024–today, Journal of Natural Products

ORGANISING AND SCIENTIFIC COMMITTEES OF CONFERENCES/CONGRESSES

1. 73rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), jointly with Italian Society of Phytochemistry (SIF) Naples, August 31 to September 3, **2025** (Scientific Committee).
2. 3rd Natural Cosmetics International Meeting, 16-19 September **2025**, Kielnarowa/Rzeszów, Poland (Scientific Committee).
3. 11th Greek Lipid Forum, 25 & 26 November **2024** Thessaloniki, (Scientific Committee).
4. 1st Symposium of Hellenic Medical Society for Cannabinoid, 22 & 23 November **2024**, Athens Greece (Scientific Committee).
5. 20th Hellenic Symposium on Medicinal Chemistry 3-5 April **2025**, Ioannina (Scientific Committee).
6. 20^o Pan-Hellenic Pharmacy Conference «The multidimensional Discipline of Pharmacy», Hellenic Research Center, 16-17 December **2023** (Scientific Committee).
7. 72nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) July 13–17, **2024**, Kraków, Poland (Scientific Committee).
8. 2nd Natural Cosmetics International Meeting, 20-22 September **2022** Kielnarowa/Rzeszów, Poland (Scientific Committee).
9. 71st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 2-5 July **2023**, Dublin, Ireland (Scientific Committee).
10. 70th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 28-31 August **2022**, Thessaloniki, Greece (Scientific Committee).
11. 10th Pan-Hellenic Meeting of Greek Lipid Forum. 25 November **2022** Athens Greece (Scientific Committee).
12. 9th Virtual Panhellenic Conference of Greek Lipid Forum "Current Trends in the Field of Lipids", 22 October **2021** (Scientific Committee).
13. PSE meeting 2021 - Natural Products in Drug Discovery and Development – Advances and Perspectives, September 20 – 23, **2021**, Iasi, Romania (Scientific Committee).
14. 20th International Congress of International Society for Ethnopharmacology, 18-20, April **2021**, Thessaloniki, Greece (Scientific Committee).
15. 9th virtual Pan-Hellenic Meeting of Greek Lipid Forum – Research trends in the Field of Lipids, 22 October **2021** Athens Greece (Scientific Committee).
16. 19th International Congress of the International Society of Ethnopharmacology, 12-14 June **2019**, Dresden, Germany (Organizing Committee).
17. 30th International Symposium on the Chemistry of Natural Products και 10th International Congress on Biodiversity (ISCNP30 & ICOP10), 25 – 29 November **2018**, Athens, Greece under the umbrella of «International Union of Pure and Applied Chemistry –IUPAC» <https://www.iscnp30-icob10.org/> (Organizing Committee - Executive Chair).
18. 3rd International Conference on Natural Products, 18-21 October **2017**, Bansko, Bulgaria (Organizing Committee).
19. LE STUDIUM CONFERENCE- Olive Bioactives: Applications and Prospects, 4-6 July **2016**, Orleans, France (Organizing Committee).

REVIEWER IN SCIENTIFIC JOURNALS

Planta Medica, Journal of Natural Products, Phytochemical Analysis, Talanta, Current Medicinal Chemistry, Phytotherapy Research, Fitoterapia, Acta Biologica Cracoviensia, PLOS ONE, Asia-Pacific Journal of Chemical Engineering, International Journal of Molecular Science, Natural Products Communications, Journal of Agricultural and Food Chemistry, Food Chemistry, Phytochemistry, Asian Pacific Journal of Tropical Medicine, Journal of the Science of Food and Agriculture, Journal of Separation Science, Molecules, Phytochemistry Letters, Journal of Chromatography A, Journal of Chromatography B, Frontiers in Pharmacology, Phytochemistry Reviews etc. (GUEST EDITOR - Molecules: Special Issue "Applications of Metabolomics within Natural Products Chemistry" 2015 http://www.mdpi.com/journal/molecules/special_issues/metabolomics_natural_chemistry)

REVIEWER IN INTERNATIONAL RESEARCH PROPOSALS

- Research and Innovation Support and Achievement, National Research Foundation, South Africa.
- Scientific Operations in the National Research Agency (ANR), France.
- Research Foundation – Flander (FWO), Belgium.

INVITED SPEAKER (Summer Schools, Seminars, Webinars, Thematic meetings etc)

- **Phytochemical Society of Europe PSE 2025 Webinar Series**, 13 May **2025**. “Dereplicative and Metabolomic Approaches Applied to Natural Products”.
- **Hellenic Medical Society for Cannabinoids, Webinar series**, 26 March **2025**. “Analysis and characterization of minor cannabinoids”.
- **Mass Spectrometry Day 2024 (Antisel, Sciex)**, 22 May **2024**. “LC-HRMS/MS in bioactive natural products (NPs) - HRMS/MS based targeted and untargeted metabolite profiling approaches focusing on NPs in different substrates - Data dependent and independent acquisition modes in HRMS/MS platforms and data handling - Integration of LC-HRMS/MS data and spectral databases in NPs”.
- **NMR Symposium (Bruker seminars)** 23 June **2023** “NMR-based metabolite profiling of food products, medicinal plants and phytotherapeutics focusing on bioactive compounds”.
- **Phytochemical Analysis course for MSc and PhD students**, 9 June **2023** (Prof. Dr. Luiz Carlos Klein-Júnior, Programa de Pós-Graduação em Ciências Farmacêuticas, Curso de Farmácia, Escola de Ciências da Saúde, Universidade do Vale do Itajaí, “Metabolomics in Natural Products. I have an NMR; do I need an MS?”.
- **CIVIS «Drug Design and Discovery Summer School»**, of Department of Pharmacy, NKUA 4 8 July **2022**, Athens, Greece “Natural Products in Drug Discovery”.
- **6th international Summer School of Department of Biology**, NKUA «Protein structure and drug design», Anavisos 24-31 August **2022**, Athens Greece. “Natural Products and Drug Design”.
- **Latest applications and tools for Mass Spectrometry (SCIEX-ANTISEL meeting)**, 24 May **2022**. “Determination of Aminoacids in Biological Substrates using Sciex 5600 Triple TOF”. V Papaioannou, E Mikropoulou, A Gianni, V Karathanos, M Halabalaki.
- **Research in pharmaceutical sciences: recent progress**. Lectures from national and international experts with discussion. 16 November **2020**, Institute of Pharmacy/Pharmacognosy, University of Innsbruck. “Profiling approaches and quality control methods in foods, food products and phytotherapeutics”.
- **Society for Medicinal Plant and Natural Product Research-GA: Webinars series** (www.ga-online.org), **2015**. “Metabolomics in Natural Products Chemistry”.
- **Workshop on Holistic Analytical Technologies for Biomedicinal, Food and Plant Science** “Recent advances in bioanalytical methodologies for metabolomics/metabonomics in systems biology”. Hellenic Pasteur Institute, 9-11 November **2012**, Athens, Greece. “Plant metabolomics: I have an NMR do I need an MS?”.
- **1st Greek Orbitrap Users Workshop**, 6-8 October **2010**, Heraklion, Greece. “Application of LC-MS & LC-MSⁿ techniques in natural products chemistry”.

PRESENTATIONS IN SCIENTIFIC CONFERENCES

Oral presentations after invitation

1. **5th Austrian Summit on Natural Products**, 16-19 March, **2025**, Seefeld, Tyrol, **Austria**. *“Omics approaches in natural products”*.
2. **6th International Yale Symposium on olive oil & health**, 1-5 December **2024**, Heraklion, Crete, **Greece**. *“LC-MS and NMR metabolomics in olive & olive oil quality assessment”*.
3. **Skin@Bath, Skin and Synovium Network Symposium**, 11-13 December **2024** Bath, **UK**. *“Probing biodiversity for the discovery of novel cosmetic entities employing biological profiling approaches and metabolomics”*.
4. **1st Symposium of Hellenic Medical Society for Cannabinoid**, 22 & 23 November **2024**, Athens **Greece** *“Minor cannabinoids, terpenoids and flavonoids in hemp and medical cannabis”*.
5. **EPHAR2024-9th European Congress of Pharmacology**- The federation of the European pharmacological societies, 22-26 June **2024**, Athens, **Greece**. *“Metabolism and bioavailability aspects in bioactive natural products”*.
6. **The 10th International Mediterranean Symposium on Medicinal and Aromatic Plants** April 25-27, **2024**, Istanbul, **Turkey**. *“Pistacia lentiscus: A contemporary «ancient» phytotherapeutic and cosmetic agent”*.
7. **Austrian Summit on Natural Products. Science and Technology behind Phytopharmacy, Phytocosmetics and Phytonutrition** 3-6 March **2024**, Seefeld, Tyrol, **Austria**. *“Green chemistry and biotechnology approaches for the development of nature-based cosmetics – GreenCosmln”*.
8. **2nd Natural Cosmetics International Meeting**, 20-22 September **2023** Kielnarowa/Rzeszów, **Poland**. *“Probing Greek flora towards the discovery of novel cosmetic entities employing chemical and biological profiling approaches”*.
9. **19th Hellenic Symposium on Medicinal Chemistry, University of Patras**, 9-11 March **2023** Patras, **Greece**. *“Bioavailability and metabolism of olive bioactives”*.
10. **IUPAC 31st International Symposium on the Chemistry of Natural Products and the 11th International Congress on Biodiversity (ISCNP31 & ICOB11)**, 25-29 October **2023**, Napoli, **Italy** *“Bioavailability and metabolism aspects of natural bioactives: The case of phenyl alcohols and secoiridoids”*.
11. **9th Brazilian Conference on Natural Products (BCNP)** 24-27 October **2023**, Salvador, Bahia, **Brazil** *“Bioavailability and metabolism aspects of natural bioactives: The case of phenyl alcohols and secoiridoids”*.
12. **Cosm'Innov-The International congress for cosmetics research**, 24 & 25 May, **2023**, Orléans, **France** *“Probing Greek flora towards the discovery of novel cosmetic entities employing chemical and biological profiling approaches”*.
13. **Stable Isotopes Unit–“Demokritos” Research Center** “Greek Diet: From ancient diet till today”, 18 January **2022**, Athens, **Greece**. – *“Food bioactives metabolism”*.
14. **11th Conference on Medicinal and Aromatic Plants of Southeast European Countries** 6 – 10 October **2022** Ohrid, **North Macedonia** *“Bioavailability and metabolism of olive bioactives”*.
15. **Natural Cosmetics International Meeting** - 22-24 September **2021** Poland, Rzeszów, **Poland**. *“Pistacia lentiscus resin (Chios mastic gum): a contemporary “ancient” phytotherapeutic and cosmetic agent”*.
16. **5th International Alumni Symposium, Traditional knowledge and medicinal plants in the „Omics“ era**. 29th August – 3rd September **2021**, Oberbärenburg, **Germany**. *“Investigation of Hydroxytyrosol's metabolism through in vitro and human studies using metabolomic approaches”*.
17. **1st Natural Cosmetics International Meeting**, 22-24 September, **2021**, Kielnarowa/Rzeszów Poland. *“Pistacia lentiscus resin (Chios mastic gum): a contemporary “ancient” phytotherapeutic and cosmetic agent”*.

18. **25th Hellenic symposium of *Ellicobacter pilori* and other gastrointestinal diseases.** 6 & 7 November 2020, Athens, **Greece**. *“Mastic gum, a resin with exceptional properties”*.
19. **Founding and Annual Conference of Pan-Balkan Alliance of Natural Products and Drug Discovery Associations,** 25-28 September 2019, Shanghai **China** *“Systematic investigation of Pistacia lentiscus var Chia resin, a unique product with exceptional pharmacological properties”*.
20. **19th International Congress of the International Society of Ethnopharmacology,** 12-14 June 2019, Dresden, **Germany**. *“Integration of metabolomics approaches in contemporary analysis of bioactive natural products”*.
21. **International Alumni Symposium 2019, Natural compounds, molecular mechanism of action, metabolomics** 10 – 16 June 2019, Oberbärenburg, **Germany**. *“Metabolomics in natural products chemistry”*.
22. **8th National Congress on Medicinal Plants,** 23-25 April 2019, Tehran, **Iran** *“Pistacia genus: Chemistry and Biology”*.
23. **“Innovation medical cannabis therapies” GB Sciences' Fourth Annual Life Sciences Strategy Meeting and Symposium,** 8-9 November 2018, Las Vegas, **USA** *“Metabolomics approach to drug discovery: Metabolomics in Natural Products”*.
24. **“Yale Public Health Symposium in Olive oil”, Yale School of Public Health,** 3 October 2018, New Haven, Connecticut, **USA** *“Olive bioactive compounds: Chemistry and Biology”*.
25. **3rd International Conference on Natural Products Utilization,** 18-21 October 2017, Bansko, **Bulgaria**. *“Pistacia: exploration of a unique genus with exceptional pharmacological properties”*.
26. **International Alumni Symposium 2017, Natural compounds: from molecular mechanism to applications,** September 10 – 13, 2017, Dresden, **Germany**. *“Pistacia: exploration of a unique genus with exceptional pharmacological properties”*
27. **LE STUDIUM CONFERENCE - Olive Bioactives: Applications and prospects,** 4-6 July 2016, Orléans, **France**. *“Isolation, separation and characterization of olive bioactive compounds”*.
28. **10th International Symposium on Chromatography of Natural Products,** 6-9 June, 2016, Lublin, **Poland** *“Metabolomic applications in Natural Products”*.
29. **The Inaugural Symposium of the Phytochemical Society of Asia 2015 (ISPSA2015),** August 30–September 2, 2015, Tokushima, **Japan**. *“Olive bioactives: possibilities and applications”*.
30. **63rd International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research GA2015,** 23-27 August 2015, Budapest, **Hungary**. *“Integrated Metabolomic approaches in Natural Products Chemistry” Egon Stahl Award lecture*.

ORAL PRESENTATIONS

31. **20th International Congress of International Society for Ethnopharmacology** 18-20 April 2021, Thessaloniki, **Greece**. *“Pistacia lentiscus resin (Chios mastic gum): chemistry and biology”*.
32. **67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research,** 1-5 September 2019, Innsbruck, **Austria**. *“Systematic investigation of Pistachia lentiscus var Chia resin, a unique product with exceptional pharmacological properties”*.
33. **62nd International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2014,** 31st August – 4th September, 2014, Guimaraes, **Portugal**. *“Dereplication and metabolomics strategies for the discovery of bioactive natural products. The Acronychia example”*.

34. **9th International Symposium on Chromatography of Natural Products - SCNP**, 26-29 May **2013**, Lublin, Poland. "*Olive bioactives: possibilities and applications*".
35. **VIIIth Joint Meeting on Medicinal Chemistry**, 30 June–July **2013**, Lublin, Poland. "*Natural agents and nuclear receptors*".
36. **International Symposium in "Bioactive principles of medicinal plants and diet"**, TU Dresden, 1-5 October **2012**, Dresden, Germany. "*New concepts, experimental approaches and dereplication strategies for the discovery of novel compounds from natural sources*".
37. **VIII Brazilian Symposium on Pharmacognosy**, 18-22 April **2012**, Ilheus, Brazil. "*Exploring the Chemical Biodiversity with Innovative Approaches to Fight Chagas Disease and Leishmaniasis – ChemBioFight-IRSES-EU project*".
38. **International Congress on Natural Products Research (ICNPR)**, 28 Jul–1 Aug **2012**, New York City, USA. "*NMR- and UHPLC-MS correlation for identification of biomarkers from woods of Vitis vinifera cultivar resistant to pathogens*".
39. **59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research**, 4-9 September **2011**, Antalya, Turkey. "*A structure-oriented approach for the accelerated and focused isolation of possible bioactive natural products based on UHPLC-HRMS/MS methods*".
40. **58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research**, 29 Aug-2 September **2010**, Berlin, Germany. "*Natural phenolics and nuclear receptors (ER & PPAR): Isolation, structure determination and biological evaluation*".
41. **1st Hellenic Symposium on Organic Synthesis**, 4-6 November **2005**, Athens, Greece. "*Phytoestrogens from Onobrychis ebenoides. Evaluation of their estrogenic activities in vitro and in vivo*".
42. **Second Open Plenary Meeting of thematic network "Phytohealth" (FP5)**, 27-30 October **2004**, Hersonisos, Greece. "*Benzofurans: New class of phytoestrogens*".
43. **10th National Conference of Pharmaceutical Chemistry**, 27-30 November **2002**, Athens, Greece. "*Phytoestrogens from Onobrychis ebenoides and evaluation of their estrogenic activity in vitro and in vivo*".

Oral presentations in scientific groups

- Vienna, Austria, March. 2023 (**group of Prof. Rollinger**)- Division of Pharmacognosy, Department of Pharmaceutical Sciences, University of Vienna. Title: *Bioavailability and metabolism of bioactive secoiridoids*.
- New York City, October 2016 (**group of Prof. Ali Brevanlou**) - The Rockefeller University Head of Laboratory of Stem cell Biology, and Molecular Embryology. Title: *Natural Products in modern drug development*.
- Innsbruck, October 2015 (**group of Prof. Hermann Stuppner**) - Institute of Pharmacy/Pharmacognosy, CCB - Center for Chemistry and Biomedicine University of Innsbruck. Title: *Natural products and metabolomics approaches*.
- Innsbruck, October 2015 (Scientific board of Bionorica company, **Group of Dr Daniel Intelmann**). Title: *Natural Products as a source of new biologically active agents*.
- Nanjing, China, October 2013 (**group of Prof. Cheng Zhang Wang**) – Institute of Chemical Industry of Forest Products. CAF. Title: *Qualitative and quantitative analysis of olive derived products in multiple substrates (olive oil, fruits, leaves, herbal products, biological fluids. A quality control approach*.
- Innsbruck, Austria, November 2012 (**group of Prof. Hermann Stuppner**) – Institute of Pharmacy/Pharmacognosy, University of Innsbruck. Title: *NMR- and UHPLC-HRMS correlation for the identification of biomarkers from woods of Vitis vinifera cultivars resistant to pathogens*.
- Nicosia, Cyprus, February 2010 (**group of Prof. Andreas Constantinou**) – Department of Biological Sciences, University of Cyprus. Title: *Phytoestrogens: an alternative approach for Post Menopausal Syndrome*.

- Geneva, Switzerland, January 2010 (**group of Prof. Jean-Luc Wolfender**) - Laboratory of Pharmacognosy and Phytochemistry, School of Pharmacy, Department of Pharmaceutical Science, University of Geneva. Title: *Chemistry and Biology of Phytoestrogens*.
- Basel, Switzerland, February 2009 (**group of Prof. Matthias Hamburger**) Laboratory of Pharmaceutical Biology, University of Basel. Title: *Estrogenic activity of isoflavonoids and benzofurans*.
- Athens, Greece, October 2006 (**group of Researcher Spyros D Garbis**) - Foundation for Biomedical Research of the Academy of Athens, Center for Basic Research – Biotechnology Division-Laboratory of Proteomics (IIVEAA). Title: *Isolation and structure determination of natural products 2-arylbenzofurans: active secondary metabolites isolated from Onobrychis sp.*
- Dresden, Germany, November 2005 (**group of Prof. Guenter Vollmer**) - Institute of Zoology, Department of Endocrinology and Cell Physiology, Technical University of Dresden. Title: *Benzofurans: a new class of phytoestrogens isolated from Onobrychis sp.*

PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS

ORIGINAL RESEARCH ARTICLES (154)

1. Yanni E.A, Kanata M-C, Papaioannou V., Halabalaki M., Karathanos T.V. Amino acid composition of plant protein-enriched wheat biscuits differentially affects postprandial amino acid responses of overweight/obese compared to normalweight subjects **European Journal of Nutrition** (accepted).
2. Pratsinis H., Gianniou D.D., Lemus Ringele G.B., Agalou A., Fotopoulou A., Louka P.X., Nastos C., Kalpoutzakis E., Kalpoutzakis, Argyropoulou A., Michailidis D., Theodoridi A., Eleftheriadou, E, Papadopoulou A., Gumeni S., Beteinakis S., Karamanou K., Mavrogonatou E., Stavropoulos G., Beis D., Halabalaki M., Trougakovs P.I., Kletsas G. Screening of a Plant Extract Library from the Greek Flora for Biological Activities Related to Anti-Aging Applications. **Antioxidants** 2025, 14(7), 824 <https://doi.org/10.3390/antiox14070824>
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BOOK CHAPTERS (3)**Previous position claim**

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168. Lemus, C., Angelis, A., Halabalaki, M., Skaltsounis, A.L. γ-Oryzanol. An Attractive Bioactive Component from Rice Bran. (2014) *Wheat and Rice in Disease Prevention and Health*, pp. 409-430. DOI: [10.1016/B978-0-12-401716-0.00032-5](https://doi.org/10.1016/B978-0-12-401716-0.00032-5)
169. E Kouloura, J Tchoumtchoua, M Halabalaki, LA Skaltsounis. ‘Plant Sesquiterpenes and other Terpenoids. “Sesquiterpenoids and other terpenoids”. Encyclopedia of Analytical Chemistry, Handbook of Chemical and Biological Plant Analytical Methods, 2014, 1–53. (Editors), K Hostettmann, A Marston, H Stuppner, S Chen, John Wiley & Sons, Ttd, UK. DOI: [10.1002/9780470027318.a9928](https://doi.org/10.1002/9780470027318.a9928) (CI 3)

PATENTS

- Products from plants of the genera *Onobrychis* and *Genista* for the treatment of hormone dependent illnesses. M. Halabalaki, N. Fokialakis, N. Aligiannis, A.L. Skaltsounis, S Mitaku. OVI, 2005 Greece (Number. 1004825 – International calcification. CL: A61K 35/78, A23L 1/30)
- Recovery of acidic cannabinoids from plant material. JR Popp, G BONN, H Stuppner, AL Skaltsounis, E Petrakis, A Angelis, M Halabalaki. EP 3 449 992 A1. Application number: 17189289.6. Date of publication:06.03.2019 Bulletin 2019/10

PRESENTATIONS IN SCIENTIFIC CONFERENCES

Poster presentations (~ 240) and participation in oral presentations (~29)

- **EPHAR2024 - 9TH European Congress of Pharmacology- The federation of the European pharmacological societies, Athens, Greece, 22-26 June 2024**
 - 1. Modulatory Effects of Cannabidiol on the Behavioral and Neurobiological Alterations in a Rat Model of Fragile X Syndrome.**
K Antoniou, G Ntoulas, G Nakas, A Messinis., C Brakatselos., P Tzimas, M Halabalaki
 - 2. Exploring triterpenic acid metabolism pathways through fecal metabolomics with mass spectrometry**
EV Mikropoulou, C Amerikanou, A Kaliora, S Mitakou, G Dedoussis, M Halabalaki
 - 3. Molecular underpinning of the cannabidiol's therapeutic potential against stress and Alzheimer's disease brain pathology**
A Vamvaka-Iakovou, J Silva, P Gomes, C Campos-Marques, M Samiotaki, G Panayotou, LA Skaltsounis, M Halabalaki, P Tzimas, N Kokras, C Dalla, A Megalokonomou, F Katsaitis, K Skourti, E Serfioti, C Brakatselos, K Antoniou, I Sotiropoulos
- **72nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA) July 13 – 17, 2024, Kraków, Poland**
 - 4. Bioactive triterpenic acid metabolism investigation through mass spectrometry approaches.**
EV Mikropoulou, C Amerikanou, CA Kaliora, G Dedoussis, M Halabalaki
 - 5. Centrifugal partition chromatography as a tool for the isolation of polyphenols from ginger rhizomes**
W Kukula-Koch, D Tarabasz, M Nizio, A Angelis, L Antoniadi, M Halabalaki, LA Skaltsounis
 - 6. Online dried spot LC-Orbitrap analysis for the quality assessment of cannabis products**
V Papaioannou, P Tzimas, S Beteinakis, LA Skaltsounis, M Halabalaki
 - 7. A “head-to-tail” approach towards foodomics advancement: LC-HRMS and NMR correlation in the case of olive products**
S Beteinakis, A Papachristodoulou, E Mikros, M Halabalaki
 - 8. Analysis and biological evaluation of Chios Mastic Gum towards its anti-ageing properties**
EV Mikropoulou, A Argyropoulou, M Vanioti, M Chalkiadaki, A Basdeki, S Poigny, LA Skaltsounis, M Halabalaki
 - 9. Application of annular centrifugal extraction (ACE) in honey - isolation and identification of honey bioactive compounds**
GB Lemus Ringe, P Gkiouvetidis, D Michailidis, E Bossard, L Gourguillon, A Argyropoulou, S Beteinakis, LA Skaltsounis M Halabalaki
- **The 10th International Mediterranean Symposium on Medicinal and Aromatic Plants April 25-27, 2024 Istanbul – Turkey**
 - 10. Assessment of Plant Extracts for Tackling Cytochrome P450-Based Insecticide Resistance in Agricultural Pests and Disease Vectors** (Oral presentation)
M Chalkiadaki, P Tzimas, D Tsakirelli, T Teta, G Vontas, M Halabalaki
 - 11. New Approaches for Comprehensive Quality Assessment of *Cannabis sativa* L. with Focus on Cannabinoids** (Oral presentation)
P Tzimas, S Beteinakis, TP Papastylianou, AE Petrakis, M Halabalaki, LA Skaltsounis

- 12. Isolation and Semi-Synthetic Derivatives of Chios Mastic Gum Triterpenic Acids and Evaluation of Their Anti-inflammatory Activity**
IK Kostakis, P Stamou, DD Gianniou, IP Trougkos, M Halabalaki, LA Skaltsounis
 - 13. Exploring the Impact of Temperature Stress on Carob Tree, *Ceratonia siliqua*; Ecoanatomical Study, Secondary Metabolite Analysis and Antimicrobial Activity**
LA Stefi L.A., E Kalampokis, I Katsiadrami, GC Ntroupogianni, T Nikou, NC Christodoulakis, M Halabalaki
 - 14. Adding Value on Pomegranate Fruit Processing**
C Nastos, M Xenaki, A Svoraki, D Michailidis, P Tzimas, P Stathopoulos, E Hatzakis, LA Skaltsounis, M Halabalaki
 - 15. Targeted Investigation on Pyrrolizidine Alkaloids of Greek Boraginaceae Species**
C Anagnostou, G Papazoglou, J Drljača-Lero, M Milanovic, E Hatzakis, S Mitakou, E Kalpoutzakakis, N Milić, M Halabalaki
- **Austrian Summit on Natural Products. Science and Technology behind Phytopharmacy, Phytocosmetics and Phytonutrition Seefeld, Tyrol, Austria 3 - 6 March 2024**
 16. Application of annular centrifugal extraction (ACE) in honey - Isolation and identification of honey bioactive compounds. GB Lemus Ringele, P Gkiouvetidis, D Michailidis, E Bossard, L Gourguillon, A Argyropoulou, S Beteinakis, LA Skaltsounis, M Halabalaki
 17. Revealing the potential of Chios Mastic Gum in cosmetics through chemical profiling and biological evaluation. EV Mikropoulou, A Argyropoulou, M Vanioti, M Chalkiadaki, A Basdeki, S Poigny, LA Skaltsounis, M Halabalaki
 18. Mapping the phytochemical complexity and diversity of cultivated hemp (*Cannabis sativa* L.) in Greece: a primary study. P Tzimas, S Beteinakis, EA Petrakis, PT Papastilianou, I Kakabouki, AL Small-Howard, M Halabalaki, LA Skaltsounis
 - **The 4th Annual Conference and Training Program of the Pan-Balkan Alliance of Natural Products and Drug Discovery Associations, Shanghai, China, 29 November – 2 December 2023.**
 19. "Metabolomic approaches employing LC-MS for the investigation of the role of natural products in different biological platforms." EV Mikropoulou, Z Evangelakou, Ch Amerikanou, A Kaliora, G Dedoussis, IP Trougkos, M Halabalaki (Oral presentation)
 - **71st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 2-6 July 2023, Dublin, Ireland**
 20. Unfolding the structural complexity of natural products using alternative NMR methods. S Beteinakis, VK Pachi, P Lameiras, E Mikros, M Halabalaki
 21. Integrated 1H-NMR and LC-HRMS based metabolomics for the discovery of *Pistacia lentiscus* L. var. Chia leaves biomarkers. C Anagnostou, S Beteinakis, T. Nikou A. Papachristodoulou, M. Halabalaki (Oral presentation)
 22. HPTLC fingerprinting for botanical origin assessment of Greek honeys. GB Lemus Ringele, P Gkiouvetidis, M Pavlea, S Beteinakis, A Papachristodoulou, M Halabalaki
 23. New pharmacological evidence for Chios mastic gum. EV Mikropoulou, Z Evangelakou, D Gianniou, Ch Amerikanou, AC Kaliora, G Desoussis, IP Trougkos, M Halabalaki
 24. *In vivo* metabolism and analysis optimization of oleocanthal. T Nikou, KV Karampetsou, OS Koutsoni, E Dotsika, P Stathopoulos, LA Skaltsounis, M Halabalaki
 25. Seasonal variation effects and LC-HRMS/MS monitoring of key metabolites of *Pistachia lentiscus* L. leaves. T Nikou, V Papaioannou, AL Stefi, D Vassilakopoulou, NS Christodoulakis, M Halabalaki
 26. Phytochemical investigation, isolation and structure elucidation of bioactive compounds of the roots of *Alkanna methanaea* Hausskn. G Papazoglou, C Anagnostou, ME Sakavitsi, E Kalpoutzakakis, M Halabalaki
 27. Phytochemical and bioactivity profiling correlations of Greek flora towards the assessment of skin-health promoting properties. GB Lemus Ringele, A Argyropoulou, A Fotopoulou, S Gumeni, E Gkogkou, G Stavropoulos, K Angeli, A Papachristodoulou, H Pratsinis, D Kletsas, D Beis, IP. Trougkos, E Kalpoutzakakis, M Halabalaki
 28. *Vitis vinifera* canes and leaves of nine Greek varieties from Crete: stilbene quantification, metabolomics and bioactivity assessment. EV Mikropoulou, V Tsiounis, A Agalou, E Kontaxakis, D Beis, M Halabalaki
 29. Investigation of different Tripleurospermum taxa from Greece: comparison by GC-MS and LC-HRMS. C Anagnostou, EV Mikropoulou, S Mitakou, M Halabalaki, E Kalpoutzakakis
 30. Extraction, isolation and identification of glucosinolates and their myrosinase derived metabolites from *Eruca sativa*. V Papaioannou, M Vanioti, D Michailidis, A Argyropoulou, S Mitakou, M Halabalaki

- **Austrian Summit on Natural Products Science and Technology in Phytopharmacy, Phytocosmetics and Phytonutrition 26-28 March 2023, Seefeld, Austria**
 - 31. Chios mastic gum: future potential for an ancient product. EV Mikropoulou, D Svingou, Ch Amerikanou, P Gkiouvetidis, AC Kaliora, G Dedoussis, M Halabalaki (Oral presentation)
 - 32. New methodologies for quality assessment of *Cannabis sativa* L.: From targeted to untargeted analysis. Petros S. Tzimas, S Beteinakis, EA Petrakis, D Chandrinou, P Papastylianou, D Bilalis, M Halabalaki, LA Skaltsounis
- **19th Hellenic Symposium on Medicinal Chemistry, 9-11 March 2023, Patra, Greece**
 - 33. Pharmacokinetics and metabolism of food bioactives. The case of oleocanthal, a natural anti-inflammatory agent of olive oil. T Nikou, KV Karampetsou, OS. Koutsoni, E Dotsika, LA Skaltsounis, Maria Halabalaki (oral)
 - 34. Probing *Escherichia coli* biofactories for the discovery of novel hydroxytyrosol derivatives. E Kalampokis, E Panteli, D Michailidis, E Trantas, F Ververidis, T Nikou, M Halabalaki
 - 35. Design and synthesis of novel esters of oleanonic and oleanolic acids with antioxidant and anti-cancer activities. P Stamou, M Halabalaki, LA Skaltsounis, D Kouretas, IK Kostakis
- **IUPAC 31st International Symposium on the Chemistry of Natural Products and the 11th International Congress on Biodiversity (ISCP31 & ICB11), 25-29 October 2020, Napoli, Italy**
 - 36. Recovery and identification of human urine metabolites. E Kalampokis, T Nikou, M Halabalaki
 - 37. LC-HRMS metabolomics for the determination of biomarkers from ex situ genotypes of *Helichrysum amorginum*. I Samanidis, ME Sakavitsi, N Krigas, G Tsoktouridis, M Halabalaki, S Mitakou
- **Cosm'Innov-The International congress for cosmetics research. 24-25 March, Orléans, France**
 - 38. Anti-ageing and anti-inflammatory properties of major olive oil secoiridoids. T Nikou, O Gualillo, IP. Trougakos, M Halabalaki, LA Skaltsounis
 - 39. Chemical and biological evaluation of plants from the Greek flora towards their use as cosmetics. A Argyropoulou, GB Lemus Ringele, A Fotopoulou, C Nastos, A Papachristodoulou, G Stavropoulos, H Pratsinis, D Kletsas, E Kalpoutzakis, M Halabalaki
 - 40. Comparative analysis of Greek Extra Virgin Olive Oils and evaluation of their anti-aging potential. T Nikou, P Stathopoulos, V Liaki, AD Sklirou, EN Tsakiri, IP Trougakos, LA Skaltsounis, M Halabalaki
- **Metabolomics 2022, 19-23 Valencia, Spain**
 - 41. NMR and LC-MS-based metabolite profiling of *Pistacia lentiscus* L. var. Chia: From leaves to Chios Mastic Gum authenticity assessment. S Beteinakis, C Anagnostou, A Papachristodoulou, V Pachi, T Ninou, E Mikros, M Halabalaki
 - 42. A metabolomic platform to assess the effect of phytonutrients in *Drosophila melanogaster*. EV Mikropoulou, Z Evangelakou, IP Trougakos, M Halabalaki
 - 43. Bioavailability and metabolism of olive bioactives through *in vitro* and human studies using metabolomic approaches. T Nikou, ME Sakavitsi, C Fytili, N Tentolouris, L Pieters, N Hermans, M Halabalaki
- **70th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 28-31 August 2022, Thessaloniki, Greece**
 - 44. Chemical and biological evaluation of plants from the Greek flora towards their use as cosmetics. A Argyropoulou, GB Lemus Ringele, A Fotopoulou, C Nastos, A Papachristodoulou, G Stavropoulos, H Pratsinis, D Kletsas, E Kalpoutzakis, M Halabalaki
 - 45. LC-HRMS based metabolite profiling for quality control of Greek honey via bioinformatic tools. GB Lemus Ringele, S Beteinakis, P Gkiouvetidis, A Papachristodoulou, M Halabalaki
 - 46. A tale of two chamomiles: profiling the differences between *Tripleurospermum inodorum* (Freyn & Sint.) Hayek and *Matricaria recutita* L. C Anagnostou, EV Mikropoulou, M Halabalaki, S Mitakou, E Kalpoutzakis
 - 47. An NMR-based metabolite profiling approach: Integration of STOCY and SHY statistical tools in the identification of honeys' biomarkers. GB Lemus Ringele, S Beteinakis, P Gkiouvetidis, A Papachristodoulou, E Mikros, M Halabalaki
 - 48. Unfolding the chemical features and biological properties of honey: an integrated and comparative study. GB Lemus Ringele, XS Tsami, E Bossard, L Gourguillon, A Argyropoulou, M Halabalaki
 - 49. Development and validation of HPLC-ELSD method for Chios mastic gum characteristic triterpenic acids determination, in resin and food supplements. D Svingou, EV Mikropoulou, GB Lemus Ringele, V Pachi, I Smyrnioudis, M Halabalaki

50. Integrating analytical methods for endocannabinoid system exploration: Determination of endogenous and plant cannabinoids in relevant matrices. PS Tzimas, MC Kalaboka, G Ntoulas, A Polissidis, EA Petrakis, M Halabalaki, LA Skaltsounis
 51. Comprehensive characterization of hemp (*Cannabis sativa* L.) samples from Greece through combined NMR and LC-based metabolite profiling and biomarker identification. PS Tzimas, EA Petrakis, S Beteinakis, P Papastylianou, I Kakabouki, D Chandrinou, AL Small-Howard, D Bilalis, M Halabalaki, LA Skaltsounis
 52. Exploring the dynamics of developmental stages of micropropagated medical cannabis (*Cannabis sativa* L.) through chemical characterization and optimal plant regeneration. PS Tzimas, EA Petrakis, S Beteinakis, AN Martini, M Papafotiou, D Bilalis, AL Small-Howard, M Halabalaki, AL Skaltsounis
 53. Integration of different extraction protocols for the metabolite profiling of urine after hydroxytyrosol supplementation in humans. E Kalampokis, T Nikou, LA Skaltsounis, M Halabalaki
 54. Pharmacokinetics and metabolism of oleocanthal, a natural anti-inflammatory agent of olive oil. T Nikou, KV Karampetsou, OS Koutsoni, V Papaioanou, LA Skaltsounis, E Dotsika, M Halabalaki
 55. Microflora-dependent conversion of secoiridoids and their effect on phenylalcohols bioavailability. ME Sakavitsi, A Breynaert, T Nikou, L Pieters, N Hermans, M Halabalaki
 56. Human plasma metabolic changes induced by L-Arginine enriched biscuits consumption via LC-triple-TOF employing DIA and LC-orbitrap using DDA. V. Papaioannou, A Yanni, V. Karathanos, M. Halabalaki
- **Greek Lipid Forum - Euro Fed Lipid, 25 November 2022, Athens, Greece**
 57. Quality and authentication assessment of Greek olive oil and table olives using NMR and HRMS-based metabolite profiling: Integration of STOCYSY and SHY statistical tools. S. Beteinakis, A. Papachristodoulou, E. Mikros, M. Halabalaki (Oral presentation)
 58. Quality and authenticity assessment of extra virgin olive oil (EVOO) and evaluation of EVOO marker compounds in animal and human studies. T Nikou, C. Fytili, KV Karampetsou, OS Koutsoni, E Dotsika, N Tentolouris, LA Skaltsounis, M Halabalaki (Oral presentation)
 - **18th PanHellenic Symposium on Medicinal Chemistry 05-07 November, Athens 2020**
 59. NMR-based metabolic profiling of extra virgin olive oil and table olives – exploitation of the STOCYSY tool for biomarker identification. S Beteinakis, A Papachristodoulou, G Gogou, S Katsikis, E Mikros, M Halabalaki (Oral presentation)
 - **69th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 5-8 September 2021, Bonn, Germany – Online**
 60. Olive branches as a source of valuable bioactive compounds. Comparative studies on phenolic composition and antioxidant activity of olive leaves and branches. C Koutra, I Kokkinou, E Bata, P Stathopoulos, M Halabalaki, LA Skaltsounis
 61. New human urine biomarkers associated with hydroxytyrosol consumption and olive-based products. T Nikou, C Fytili, E Kalampokis, N Tentolouris, IK Tseti, LA Skaltsounis, M Halabalaki (Oral presentation).
 62. Analytical determination of Chios mastic gum triterpenoids in human plasma and fecal samples by UPLC-ESI-TripleTOF-HRMS. EV Mikropoulou, D Svingou, Ch Amerikanou, P Gkiouvetidis, AC Kaliora, G Dedoussis, M Halabalaki
 63. Chemotaxonomic investigation of the natural hybrid *Origanum x liriun* and its parents focusing on the comparison of volatile and polar constituents. E Kalpoutzakis, E Petrakis, M Halabalaki, S Mitakou
 64. Phytochemical analysis of *Gnetum montanum* stems' ethanolic extract and in vitro evaluation of tyrosinase and elastase inhibition activity. CTN Nguyen, A Angelis, L Antoniadi, H Tran, M Halabalaki, TN Huynh, H Stuppner, LA Skaltsounis, A Angelis, M Halabalaki
 65. Integrated NMR and LC-MS metabolite profiling data for the quality control of table olives. S Beteinakis, A Iliou, A Papachristodoulou, D Benaki, E Mikros, M Halabalaki
 66. NMR-based metabolite profiling and application of STOCYSY for quality control of honey. CB Lemus Ringele, S Beteinakis, P Giouvetidis, A Papachristodoulou, E Mikros, M Halabalaki
 67. Utilization of pomace oil production by-products to produce olive bioactive-specific enriched extracts and in-depth chemical characterization thereof. V Siderakis, E Bata, D Michailidis, A Svouraki, P Stathopoulos, M Halabalaki, LA Skaltsounis
 68. Analytical and chemometric approaches for quality characterization of *Cannabis sativa* L. with focus on cannabinoids. PS Tzimas, EA Petrakis, A Papadimitriou, S Beteinakis, M Halabalaki, LA Skaltsounis
 69. Isolation and identification of urine metabolites after hydroxytyrosol supplementation in humans. E Kalampokis, T Nikou, D Michailidis, C Fytili, N Tentolouris, M Halabalaki
 70. Gram-scale isolation of pure Gentiopicroside from *Gentiana lutea* and Evaluation of Anticancer Potential against Lung (A549, NCI-H1299), Breast (MCF7, MDA-MB-468), Glioblastoma (T98G), Rhabdomyosarcoma (TE671) and Colon (HT-

- 29, DLD-1) Cancer Cell Lines. L. Antoniadi, A Wawruszak, A Angelis, A Czerwonka, A Jarzab, M Halabalaki, W Kukula-Koch, LA Skaltsounis
 71. Metabolisation Fate of Secoiridoids Oleacein and Oleocanthal After In Vitro Continuous Dialysis System with Human Gut Microbiota. ME Sakavitsi, A Breynaert, L Pieters, N. Hermans, S Mitakou, LA Skaltsounis, M Halabalaki M (Oral presentation).
 72. Phytochemical investigation, characterization and antimicrobial evaluation of the extracts and isolated compounds of *Pistacia lentiscus* var Chia leaves. C. Anagnostou, A. Papachristodoulou, S. Beteinakis, M. Dionysopoulou, S. Dimou, G. Dhallinas, M. Halabalaki
 73. Amino Acid Analysis of Human Plasma for Clinical Research Using LC-TripleTOF 5600+ with the SCIEX aTRAQ™ Kit for Physiological Samples. V Papaioannou, A Yanni, V Karathanos, M Halabalaki
 74. Integrated NMR and LC-MS metabolite profiling data for the quality control of table olives. S Beteinakis, A Iliou, A Papachristodoulou, D Benaki, E Mikros, M Halabalaki
 75. Analytical determination of Chios mastic gum triterpenoids in human plasma and fecal samples by UPLC-ESI-TripleTOF-HRMS. EV Mikropoulou, D Svingou, Ch Amerikanou, P Gkiouvetidis, AC Kaliora, G Dedoussis, M Halabalaki
- **THE 3RD ANNUAL CONFERENCE OF THE PAN-BALKAN ALLIANCE OF NATURAL PRODUCTS AND DRUG DISCOVERY ASSOCIATIONS (PANDA) 1 November 2021, Belgrade, Serbia**
76. A metabolomic perspective on the impact of Chios mastic gum administration in NAFLD/ NASH patients. EV Mikropoulou, P Gkiouvetidis, Ch Amerikanou, AC Kaliora, GV Dedoussis, M Halabalaki (Oral presentation).
- **The 17th Annual Conference of the Metabolomics Society 22-24 June 2021 (online)**
77. NMR metabolic profiling in the quality control of food commodities – Exploitation of the STOCYS statistical tool for markers' identification. S Beteinakis, GB Lemus Ringele, A Papachristodoulou, E Mikros, M Halabalaki
 78. Investigation of nutrition related biomarkers and metabolization pathways in human stool samples employing LC-MS-based metabolomics EV Mikropoulou, V Brieudes, EA Petrakis, Ch Amerikanou, AC Kaliora, GV Dedoussis, M Halabalaki
 79. From foods and foodstuffs to human biological fluids. The example of hydroxytyrosol one of the most potent natural scavenger. T Nikou, C Fytili, M Witt, A Barsch, N Tentolouris, IK Tseti, LA Skaltsounis, M Halabalaki
- **9th Virtual Panhellenic Conference of Greek Lipid Forum “Current Trends in the Field of Lipids”, 22 October 2021**
80. Holistic investigation of Hydroxytyrosol's metabolism through in vitro and human studies. T. Nikou, ME Sakavitsi, N Hermans, L Pieters, C Fytili, N Tentolouris, M Halabalaki
 81. Comparison of NMR and LC-HRMS Platforms in the Metabolic Profiling of Greek Table Olives. S Beteinakis, A Papachristodoulou, E Mikros, M Halabalaki
- **IFT Annual meeting, 18-21 July 2021, Chicago IL, USA.**
82. Anorectic peptides stimulating effects of wheat biscuits enriched with BCAAs from plant origin. AE Yanni, P Binou, V Papaioannou, P Konstantopoulos, A Kokkinos, M Halabalaki, VT Karathanos
- **35th EFFoST International Conference 1-4 November 2021, Lausanne, Switzerland.**
83. Enrichment of wheat biscuits with L-arginine from plant sources stimulates GLP-1 response and regulates subjective appetite sensations in overweight subjects. AE Yanni, P Binou, V Papaioannou, M Halabalaki, A Kokkinos, VT Karathanos
- **20th International Congress of International Society for Ethnopharmacology 18-20 April 2021, Thessaloniki, Greece.**
84. Human Gastrointestinal and Colonic Metabolisation Study of Olive Secoiridoids Using An In Vitro Continuous Flow Dialysis System. ME Sakavitsi, A Breynaert, A Angelis, L Pieters, NHermans, S Mitakou, M Halabalaki (Oral presentation)
 85. The “Superstitious” *Mandragora autumnalis* (Solanaceae) Roots, Leaves and Fruits after a Phytochemical Investigation and Extended LC-HRMS & HRMS/MS Characterization. I Kyziropoulos, ME Sakavitsi, IK Tseti, M Halabalaki, LA Skaltsounis.
- **67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 1-5 September 2019, Innsbruck, Austria**
86. Simulating Human Gastrointestinal & Colonic Biotransformation Pathways Through An *in vitro* Assay Reveals Insight on Hydroxytyrosol & Oleuropein Metabolism. ME Sakavitsi, A Breynaert, A Angelis, L Pieters, NHermans, S Mitakou, M Halabalaki (Oral presentation)
 87. Integrated UPLC-HRMS based metabolomics investigating hydroxytyrosol effect in human obesity. T Nikou, C Fytili, N Tentolouris, N Katsilambros, S Mitakou, M Halabalaki

88. Effect of hydroxytyrosol administration on weight and fat loss: preliminary data from a randomized double-blind prospective study. C Fytili, A. Kokkinos, C Dimosthenopoulos, D Simos, IK Tseti, M. Halabalaki, N Katsilambros, N Tentolouris, LA Skaltsounis
 89. A holistic UPLC-HRMS-based approach exploring the phytochemistry, bioactivity and metabolome impact of *Cichorium spinosum*'s decoction in *Drosophila melanogaster*. EV Mikropoulou, Z Evangelakou, M Manola, S Gumeni, IP Trougkos, LA Skaltsounis, M Halabalaki
 90. Phytochemical investigation and extended LC-HRMS & HRMS/MS characterization of secondary metabolites from roots, leaves and fruits of *Mandragora autumnalis* (Solanaceae). I Kyziropoulos, ME Sakavitsi, IK Tseti, M Halabalaki, LA Skaltsounis
 91. Integrated approach for the extraction and quality assessment of fibre-type *Cannabis sativa* L. based on UPLC-PDA and HPTLC. PS Tzimas, EA Petrakis, A Angelis A, M Halabalaki, LA Skaltsounis
 92. Integrating UPLC-MS/MS-based molecular networking and NMR structural determination for the untargeted phytochemical characterization of the fruit of *Crescentia cujete* (Bignoniaceae). A Rivera-Mondragón, E Tuentler, O Ortiz, ME Sakavitsi, M Halabalaki, C Caballero-George, L Pieters, K Foubert
 93. Investigation of Greek honeys using HR-NMR and LC-HRMS metabolomics, for determination of their geographical, botanical origin and authenticity. GB Lemus Ringele, E Axiotis, S Katsikis, A Argyropoulou, LA Skaltsounis, M Halabalaki
 94. 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. A Angelis, D Michailidis, L Antoniadi, V Tsantila, M Halabalaki, LA Skaltsounis
 95. MediHealth—an interdisciplinary and international research and innovation staff exchange project to identify novel natural products for healthy ageing. B Waltenberger, N Adamopoulos, N Allouche, B Fiebich, M Halabalaki, P Jansen-Dürr, V Kesternich, L Pieters, S Schönbichler, LA Skaltsounis, H Tran, IP Trougkos, A Viljoen, J-L Wolfender, C Wolfrum, N Xynos, H Stuppner
 96. Integrated NMR-based Profiling and HPLC-DAD analysis for Extra Virgin Olive Oil (EVOO) Authentication Assessment. S Beteinakis, S Katsikis, D Cicarevic, P Kolb, S Schwarzingler, E Mikros, LA Skaltsounis, M Halabalaki
- **Metabolomics 2019. June 23-27, Hague, Netherlands**
 97. A skin secretion metabolomic profiling of endemic Aegean species of *Lyciasalamandra* amphibian. K Eleftherakos, E Petrakis, S Katsikis, AL Skaltsounis, M Halabalaki
 98. Integration of metabolomic approaches in contemporary analysis of bioactive natural products. M Halabalaki
 - **19th International Congress of the International Society of Ethnopharmacology, 12-14 June 2019, Dresden, Germany**
 99. Ethnopharmacology at the Cultural Crossroads between Greece and Asia Minor. Chemical Composition and Biological Activity of *Sideritis sipylea* BOISS, an Endemic Species from North Aegean Greek Islands. E Axiotis, M Halabalaki, S Mitakou, LA Skaltsounis (Oral presentation).
 - **30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCP30 & ICOB10), 25 – 29 November 2018, Athens, Greece**
 100. Assessment of the antioxidant profile from different Greek olive oil varieties. P Kouka, G Tsakiri, DTzortzi, S Dimopoulou, A Angelis, P Stathopoulos, M Halabalaki, AL Skaltsounis, D Kouretas (Oral presentation)
 101. A simple and Effective Approach for the Isolation of Acidic Cannabinoids from *Cannabis Sativa* L. Using pH-Zone-Refining Centrifugal Partition Chromatography. JR Popp, EA Petrakis, A Angelis, M Halabalaki, GK. Bonn, H Stuppner, AL Skaltsounis (Oral presentation)
 102. Novel pathways constructed through metabolic engineering in microbial biofactories to produce highly valuable natural products. E Trantas, M Halabalaki, L Skaltsounis, F Ververidis (Oral presentation)
 103. Determination of biophenols in virgin olive oils by liquid chromatography supporting the health claim by European Food Safety Authority (EFSA). A Stefanitsi, V Sakkas, P Stathopoulos, M Halabalaki, AL Skaltsounis
 104. Targeted isolation of trans-crocin 4 (TC4) from *Crocus sativus* L. employing step gradient Countercurrent Chromatography (CPC), followed by a metabolome study in mice after i.p. administration of TC4. E Karkoula, A Angelis, I Dagla, NS Koulakiotis, E Gikas, N Kokras, C Dalla, M Halabalaki, AL Skaltsounis, A Tsarbopoulos
 105. A comparative and integrated study for the extraction and determination of phenolic compounds in olive fruits and stones. G Sarikaki, K Touvleliou, M Halabalaki, S Mitakou, LA Skaltsounis
 106. Assessment of the effect of extraction solvent on cannabinoid yield and phytochemical profile of fibre-type *Cannabis sativa* L. using UPLC-PDA and HPTLC. PS Tzimas, EA Petrakis, A Angelis, M Halabalaki, LA Skaltsounis
 107. An optimized analytical methodology for the determination of olive oil biophenols, based on IOC recommended method. E Bata, P Stathopoulos, A Rodi, M Halabalaki, LA Skaltsounis

108. Development and validation of an HPTLC densitometric method for the rapid quantification of bioactive lignans in sesame seeds: comparison with HPLC-PDA. EV Mikropoulou, EA Petrakis, A Argyropoulou, S Mitakou, M Halabalaki, LA Skaltsounis
 109. Isotopic traceability (¹³C and ¹⁸O) of Greek olive oils. P Karalis, M Halabalaki LA Skaltsounis, G Diamantopoulos E Dotsika
 110. Identification of quality marker compounds in Greek EVOOs using integrated LC-HRMS & FIA FTICR MS platforms and chemometrics. T Nikou, M Witt, P Stathopoulos, A Barsch, LA Skaltsounis, M Halabalaki
 111. Oleocanthalic and oleaceinic acids: Isolation, identification and semi-synthesis of new secoiridoids compounds of extra virgin olive oil. L Antoniadis, A Angelis, P Stathopoulos, M Halabalaki, LA Skaltsounis
 112. An ethnobotanical study and phytochemical analysis of medicinal plants in the Greek islands of North Aegean region. E Axiotis, M Halabalaki, S Mitakou, LA Skaltsounis
 113. Therapeutic effect of total phenolic fraction of extra virgin olive oil against murine experimental cutaneous leishmaniasis. K Karampetsou, O Koutsoni, N Aligiannis, M Halabalaki, LA Skaltsounis, E Dotsika
 114. Oleocanthal exerts in vivo antileishmanial and immunomodulatory effect against murine experimental cutaneous leishmaniasis. K Karampetsou, O Koutsoni, A Angelis, N Aligiannis, M Halabalaki, L Alexios Skaltsounis, E Dotsika
 115. *Sideritis scardica* and *Cichorium spinosum* reduce amyloidogenesis and tau aggregates in Alzheimer's disease models. DA Arvanitis, I Chalatsa, EV Mikropoulou, A Giagini, N Aligiannis, M Halabalaki, Z Papadopoulou-Daifoti, A Tsarbopoulos, AL Skaltsounis, D Sanoudou
 116. Investigation of potential cytotoxicity and genotoxicity of olive secondary metabolites and an olive oil polyphenols extract. A Charistou, A Spyropoulou, E Katsanou, A Angelis, D Michailidis, M Halabalaki, AL Skaltsounis, K Machera
 117. Purification of Chios Mastic active constituents and development of analytical methods for quality control purposes. VK Pachi, E Argyropoulou, E Thoma, S Mitakou, M Halabalaki, LA Skaltsounis
 118. Investigation of the absorption and colonic biotransformation of olive oil polyphenols in the GIDM-Colon, a validated in vitro Gastrointestinal Dialysis Model with Colon phase. ME Sakavitsi, A Breynaert, A Angelis, L Pieters, M Halabalaki, N Hermans
 119. Olive oil's biophenols quantitative study using NMR, LC-HRMS & MS/MS methods. S Beteinakis, S Katsikis, E Mikros, LA Skaltsounis, M Halabalaki
 120. Mediterranean herb extracts inhibit oral microbial growth and biofilm formation of *Streptococcus mutans*. L Karygianni, J Hickl, A Argyropoulou, ME Sakavitsi, M Halabalaki, AA Ahmad, E Hellwig, N Aligiannis, AL Skaltsounis
 121. Metabolically engineered *E. coli* able to produce the highly valuable hydroxytyrosol and derivatives. E Trantas, T Nikou, M Halabalaki, L Skaltsounis, F Ververidis
- **OliveBioteq'18 – Olive management, biotechnology and authenticity of olive products, 15-19 October 2019, Seville, Spain**
 122. Oleocanthalic, oleaceinic and EDA acids: three new standard ingredients of extra virgin olive oil (EVOO). A Angelis, L Andoniadis, P Stathopoulos, M Halabalaki, AL Skaltsounis
 123. A new analytical method for the determination of biophenols in olive oil by HPLC-DAD. E Bata, P Stathopoulos, M Halabalaki, AL Skaltsounis
 - **2nd conference on Food Bioactives and Health, 26-28 September 2018, Lisbon, Portugal**
 124. Investigation of the absorption and colonic biotransformation of olive polyphenolic compounds in the GIDM-Colon, a validated in vitro Gastrointestinal Dialysis Model with Colon phase. ME Sakavitsi, A Breynaert, L Pieters, M Halabalaki, N Hermans
 - **66th annual meeting of the Society for medicinal plants and natural products research, 26-29 August 2018, Shanghai, China**
 125. Integrated FIA-FT-ICR MS and LC-HRMS metabolomics as a novel holistic workflow for quality control of extra virgin olive oil (EVOO). T Nikou, M Witt, P Stathopoulos, A Barsch, LA Skaltsounis, M Halabalaki (Oral presentation)
 126. Systematic and holistic investigation of Pistacia lentiscus resin, a unique product with exceptional pharmacological properties. M Halabalaki
 - **CCC2018, Braunschweig - Germany, 1-3 August 2018**
 127. Rapid isolation of acidic cannabinoids from *Cannabis sativa* L. by means of pH zone refining centrifugal partition chromatography. JR Popp, EA Petrakis, A Angelis, M Halabalaki, GK Bonn, H Stuppner, LA Skaltsounis

- **Phytopharm 2018, 25-27 June 2018, Horgen, Switzerland**
 - 128.** Rapid isolation of acidic cannabinoids from *Cannabis sativa* L. by means of pH zone refining centrifugal partition chromatography. JR. Popp, EA Petrakis, A Angelis, M Halabalaki, GK Bonn, H Stuppner, LA Skaltsounis
- **Metabolic Profiling Meeting, Metabomeeting, December 11 – 13, 2017, Birmingham, UK**
 - 129.** Mapping of Greek olive oil using FT-ICR mass spectrometry flow injection analysis and multivariate data analysis. W Timm, T Nikou, M Witt, A Barsch, CJ Thompson, M Halabalaki
 - 130.** Metabolomic analysis-Addressing NMR and LC-MS related problems in human feces sample preparation. S Moosmang, M Pitscheider, S Sturm, C Seger, H Tilg, M Halabalaki, H Stuppner
- **3rd International Conference on Natural Products Utilization, Bansko, 15-18 October 2017**
 - 131.** Integrated FT-ICR MS and LC-HRMS metabolomics studies on extra virgin olive oil (EVOO) biophenols. T Nikou, M Witt, P Stathopoulos, A Barsch, LA Skaltsounis, M Halabalaki
 - 132.** Purification protocol of heterologously produced bioactive plant phenolics from metabolically engineered *E coli* biofactories to explore pharmacological and other industrial uses – the hydroxytyrosol example. A Marku, E Trantas, T Nikou, M Halabalaki, LA Skaltsounis, F Ververidis
 - 133.** Comparative quantitative and qualitative studies of extra virgin olive oil using HPTLC, HPLC-DAD, NMR, LC-HRMS & MS/MS methods. S Beteinakis, P Stathopoulos, D Michailidis, A Angelis, A Argyropoulou, M Halabalaki, GK. Bonn, LA Leandros
 - 134.** Development of an HPTLC and HPLC-PDA method for the quantification of sesamin and sesamol in fresh sesame seeds. EV Mikropoulou, EA Petrakis, K Argyropoulou, M Halabalaki, S Mitakou, LA Skaltsounis
 - 135.** Exploration of dietary plants from worldwide biodiversity aiming the discovery of active agents with anti-ageing effects. M-E Sakavitsi, Z Evangelakou, GB Lemus Ringele, A Ghorbel, A Argyropoulou, V Kesternich, N Allouche, I Trougkos, M Halabalaki, LA Skaltsounis
 - 136.** Metabolic profiling of edible olives derived from different olive varieties. G Sarikaki, A Kourkouli, K Touvleliou, M Halabalaki, S Mitakou, LA Skaltsounis
 - 137.** HPLC and HPTLC metabolite fingerprinting for the quality control of *Sideritis* species. E Thoma, E Axiotis, G Ntasi, EA Petrakis, M Halabalaki, LA Skaltsounis
 - 138.** Pilot scale extraction of olive oil phenolic fraction and recovery of high purity oleocanthal and oleacein. D Michailidis, A Angelis, A Skantzari, N Aligiannis, P Stathopoulos, M Halabalaki, J-H Renault, LA Skaltsounis
- **62nd International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2017, 3 – 7 September 2017, Basel, Switzerland**
 - 139.** CPC driven isolation and identification of *Pistacia vera* pericarp secondary metabolites: New source of rare and biologically active triterpenic acids. J Popp, E Petrakis, A Angelis, I Pisimisi, M Halabalaki, H Stuppner, LA Skaltsounis
 - 140.** Monitoring of olive biophenols in 23 *Olea europaea* cultivars grown under the same agronomical conditions. G Sarikaki, K Touvleliou, A Kourkoul, LA Skaltsounis, M Halabalaki, S Mitakou
 - 141.** Phytochemical investigation of the Chilean berries *Aristotelia chilensis* and *Ugni molinae*. Evaluation of their anti-ageing effects employing a *Drosophila* model. ME Sakavitsi, Z Evangelakou, CA Faúndez, RG Lemus Belen, A Argyropoulou, V Kesternich, I Trougkos, M Halabalaki, LA Skaltsounis
 - 142.** Bioavailability study and impact of Chios mastic supplementation on oxidative stress in healthy humans. V Brièudes, E Kallergis, E Papada, A Gioxari, A Kaliora, S Mitakou, LA Skaltsounis, M Halabalaki
 - 143.** Comparative quantitative and qualitative studies of extra virgin olive oil using HPTLC, HPLC-DAD, NMR, LC-HRMS & MS/MS methods. S Beteinakis, P Stathopoulos, D Michailidis, A Angelis, A Argyropoulou, M Halabalaki, GK Bonn, LA Skaltsounis
- **9th International Conference on Biodiversity (ISCNP-29 & ICOB-9), September Izmir, 2016**
 - 144.** Heterocovariance based metabolomics as a powerful tool accelerating bioactive natural product discovery E Mikros, N Aligiannis, M Halabalaki, L Skaltsounis (Oral presentation).
- **9th Joint Natural Products Conference (AFERP, ASP, GA, PSE & SIF), 24 - 27 July 2016, Copenhagen, Denmark.**
 - 145.** Toxicological study of the indirubin derivative 7BIO. J Tchoumtchoua, S Theocharis, M Halabalaki, A Efstathiou, N Gaboriaud-Kolar, D Smirlis, AE. Konstantinidou, ES Patsouris, LA Skaltsounis.
 - 146.** Isolation and structure elucidation of twelve new prenylated flavonoids from *Onobrychis* spp. (Leguminosae) employing LC-HRMS, HSCCC & NMR techniques. ME Sakavitsi, J Tchoumtchoua, S Mitakou, M Halabalaki, LA Skaltsounis.

147. Characterization of a polymethoxyflavone-rich fraction of *Ageratum conyzoides* and its anti-inflammatory effects. LG Faqueti, V Brieudes, M Halabalaki, LA Skaltsounis, LF Nascimento, WM Barros, AR Santos, MW Biavatti.
 148. Implementation of Supercritical Fluid Chromatography for the isolation of new polar γ -oryzanol from Rice Bran Oil. M Spiliopoulou, V Brieudes, A Angelis, M Halabalaki, LA Skaltsounis.
 149. How do I analyse a nutri-metabolomics double-blind crossover study? An example encompassing oleuropein's administration. N Lemonakis, M Halabalaki, V Mougios, LA Skaltsounis, E Gikas.
 150. Hydroxytyrosol ameliorates metabolic, cardiovascular and liver changes in a rat model of diet-induced metabolic syndrome. An insight through metabolomics and metabolism studies. N Lemonakis, M Halabalaki, H Poudyal, L Brown, LA Skaltsounis, E Gikas
- **LE STUDIUM CONFERENCE - Olive Bioactives: Applications and prospects, 4-6 July 2016, Orléans, France**
 151. Oleacein: alternative sources, natural and semi-synthetic analogs as COX inhibitors. N Christoforidou, K Vougiannopoulou, M Halabalaki, N Gaboriaud-Kolar, LA Skaltsounis.
 - **10th International Symposium on Chromatography of Natural Products, 6-9 June 2016, Lublin, Poland,**
 152. Development and application of analytical approaches for Extra Virgin Olive Oil (EVOO) Biophenols determination. Mapping of Greek EVOOs. P Stathopoulos, G Sarikaki, M Laloti, S Beteinakis, A Triantopoulou, E Gikas, M Halabalaki, T Jakschitz, D Corradini, G Bonn, LA Skaltsounis.
 153. LC/MS-based qualitative and quantitative studies of decoctions from edible greens widely consumed in Greece: *Cichorium spinosum* and *Cichorium intybus*". V Brieudes, A Angelis, K Vougiannopoulou, H Pratsinis, D Kletsas, S Mitakou, M Halabalaki, LA Skaltsounis (Oral presentation).
 - **1st International Multidisciplinary Conference on Nutraceuticals and Functional Foods, 7-9 July 2016 Kalamata, Greece**
 154. Monitoring of Extra Virgin Olive Oil (EVOO) biophenols composition during long-term storage – Qualitative and quantitative aspects. A Triantopoulou, P Stathopoulos, E Axiotis, M Halabalaki, S Mitakou, LA Skaltsounis
 155. Cooked edible greens of Greece: "chórta" and their decoctions as sources of valuable water-soluble phytonutrients. K Vougiannopoulou, K, V Brieudes, AD Sklirou, A Angelis, S Beteinakis, E Mikropoulou, M Mitakou, IP Trougakos, M Halabalaki, LA Skaltsounis.
 - **VII Simposio Ibero-americano de Plantas Medicinais e III Simposio Ibero-Americano de Investigacao em Cancer, 24-27 October 2016, Itajai, Brazil.**
 156. Chemical profiling of *Lippia alba* extracts by micellar electrokinetic capillary chromatography. AF Gomes, MF Leite, MP Almeida, S Schwaiger, H Stuppner, M Halabalaki, JG Amaral, M Ganzera, JM David.
 157. Seasonal variation of two different *Lippia alba* chemotypes. AF Gomes, MF Leite, MP Almeida, S Schwaiger, H Stuppner, M Halabalaki, JG Amaral, JM David.
 - **12th European Fourier Transform Mass Spectrometry Conference, 5-8 April 2016, Matera, Italy,**
 158. Aspects of metabolic profiling and quality control of olive oil using Flow Injection Analysis (FIA) FT-ICR MS. T Nikou, M Witt, M Laloti, P Stathopoulos, A Barsch, LA Skaltsounis, M Halabalaki.
 - **63rd International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2015, 23-27 August 2015, Budapest, Hungary.**
 159. Polar γ -oryzanol, a new class of γ -oryzanol in RBO: Identification and monitoring of qualitative and quantitative alternations throughout the rice milling process. M Spiliopoulou, V Brieudes, A Angelis, M Halabalaki, LA Skaltsounis.
 160. Targeted isolation of prenylated isoflavonoids from *Erythrina excelsa* using LC-MS and HSCCC techniques. ME Sakavitsi, NS Tchoukouegno, J Tchoumtchoua, D Njamen, U Laudenbach-Leschowski, P Diel, M Halabalaki, LA Skaltsounis.
 - **SSPA 2015 Advanced Analytical Methodologies for Medicinal Plants Characterization, September 2015 Rimini, Italy.**
 161. Integrated NMR and UPLC-HRMS plant metabolomics strategies for the investigation of *Acronychia* genus. E Kouloura, LA Skaltsounis, M Halabalaki (Oral presentation).
 - **EMBO Practical Course on Metabolomics Bioinformatics for Life Scientists, February 2015, Hinxton, UK**
 162. NMR and UPLC-HRMS plant metabolomics approaches: the case study of *Acronychia* species. E Kouloura, O Werz, S Michel, M Litaudon, D Benaki, E Mikros, LA Skaltsounis, M Halabalaki.
 - **7th International Symposium on Recent Advances in food analysis. 3-6 November 2015, Prague, Czech Republic**

163. Metabolic profiling and quality control aspects of olive oil using an FT-ICR direct infusion method. T Nikou, M Lalioti, P Stathopoulos, E Gikas, M Witt, A Barsch, LA Skaltsounis, M Halabalaki.
 164. Comparative analytical study of biophenols in edible olives. M Lalioti, D Abatis, P Stathopoulos, N Aligiannis, M Halabalaki, LA Skaltsounis.
 165. Cooked edible greens of Greece: “chórta” and their decoctions as sources of valuable water-soluble phytonutrients. K Vougianniopoulou K, V Brieudes, AD Sklirou, A Angelis, S Betinakis, E Mikropoulou, M Mitakou, IP Trougakos, M Halabalaki, LA Skaltsounis.
- **Mediterranean Sea Region Countries Mass Spectrometry Workshop (MEDMSIII), 28 June -2July, 2015, Athens, Greece**
 166. Biophenols-based mapping of Greek Extra Virgin Olive Oil (EVOO). T Nikou, M Witt, M Lalioti, P Stathopoulos, A Barsch, LA Skaltsounis, M Halabalaki
 167. LC-MS based qualitative and quantitative studies of decoctions from edible greens widely consumed in Greece: *Cichorium spinosum* and *Cichorium Intybus*. V Brieudes, A Angelis, K Vougianniopoulou, H Pratsinis, D Kletsas, S Mitakou, M Halabalaki, LA Skaltsounis.
 168. Rapid isolation and characterisation of crocins, picrocrocins and crocetin from saffron extract using hydrostatic countercurrent chromatography and ESI-MS. E Karkoula, A Angelis A, NS Koulakiotis., D Anagnostopoulos, M Halabalaki M, E Gikas, LA Skaltsounis, A Tsaibopoulos.
 - **PHPC 2015 (17th Panhellenic pharmaceutical conference), Athens, Greece, October 11th 2015.**
 169. Qualitative and quantitative monitoring of bioactive γ -oryzanol and polar γ -oryzanol in rice bran oil (RBO) during the rice milling process. V Brieudes, A Angelis, M Spiliopoulou, M Halabalaki, LA Skaltsounis. (Oral presentation).
 - **3d Greek Orbitrap Users Meeting, February 2014, Fleming Institute, Athens, Greece.**
 170. Identification of Acronychia-type Acetophenones and Metabolomics Analysis of Diverse *Acronychia* Extracts Using Orbitrap Platform E Kouloura, LA Skaltsounis, M Halabalaki (Oral presentation).
 - **62nd International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2014, 31st Aug – 4th Sep, Guimaraes, Portugal.**
 171. Quantitative study of two indirubin derivatives: 6-Bromoindirubin-3'-oxime (6BIO) and 6-Bromoindirubin-3'-[O-(2-piperazine-1-ylethyl) oxime] (6BIO-pip) in mice plasma by LC-MS/MS. Application in a pharmacokinetic study. J Tchoumtchoua, M Halabalaki, E Gikas, L Liu, R Joves, S Nam, LA Skaltsounis. (Oral presentation).
 172. A rapid HPLC-HRMS/MS analysis of saponins and phytoecdysteroids from a *Silene colorata* hydroglycerinic extract. A Termentzi, C Croizat, K Collin, PY Morvan, R Vallée, M Halabalaki, LA Skaltsounis.
 173. New analytical methods for the quality control and authentication of olive oil. A Termentzi, P Stathopoulos, T Michel, M Lalioti, E Gikas, M Halabalaki, LA Skaltsounis.
 174. Cytotoxic and pro-apoptotic effects of *Hypericum species*. Metabolites profiling and dereplication procedures for the identification of bioactive ingredients. ME Sakavitsi, MI Christodoulou, J Tchoumtchoua, N Fokialakis, M Halabalaki, A Scorialas, LA Skaltsounis.
 175. Isolation of a hydroxytyrosol lactone conjugate from olive mill wastewater with antioxidant activity. K Vougianniopoulou, MT Angelopoulou, H Pratsinis, R Grougnet, M Halabalaki, D Kletsas, B Deguin, LA Skaltsounis.
 - **Analytical Tools For Cutting-Edge Metabolomics, April 2014, London, United Kingdom.**
 176. Metabolic Profiling of Acronychia Species by Means of NMR and UPLC-ESI-LTQ-Orbitrap Platform. E Kouloura, G Genta-Jouve, S Michel, M Litaudon, D Benaki, E Mikros, LA Skaltsounis, M Halabalaki.
 - **18th Meeting & Spring School of Youth of the French Society of Mass Spectrometry, April 08 - 12, 2013, Centre de vacances de la vallée d'Ossau-Izeste 64260, Pau, France.**
 177. Liquid Chromatography High-Resolution Mass Spectrometry, a valuable tool for the rapid identification of flavonoids from plants extract: Case study of *Amphimas pterocarpoides*, a Cameroonian medicinal plant. J Tchoumtchoua, M Halabalaki, D Njamen, AL. Skaltsounis.
 - **5th World Congress On Leishmaniasis - Worldleish 5, May 2013, Porto de Galinhas, Brazil.**
 178. Greek biodiversity as an important source of bioactive molecules to fight Leishmaniasis. V Rocha, D Smirlis, FR Nonato, N Aligiannis, K Argyropoulou, E Kouloura, S Amoah, M Halabalaki, K Soteriadou, LA Skaltsounis, MBP Soares.

- **61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, 1-5 Sep 2013, Munster, Germany.**
 - 179. Metabolomic study of hydroxytyrosols administration in metabolic syndrome rat model. N Lemonakis, H Poudyal, E Gikas, M Halabalaki, L Brown, LA Skaltsounis.
 - 180. UHPLC-ESI(+)-HRMS-based metabolic profiling as a dereplication tool for the detection and identification of Acronychia-type acetophenones in crude extracts. E Kouloura, M Halabalaki, S Michel, V Dumontet, LA Skaltsounis.
- **12th FELASA SECAL Congress, 10-13 Jun, 2013, Barcelona, Spain.**
 - 181. Beneficial effects of *Amphimas pterocarpoides* extract administration on the ovariectomised rat model of osteoporosis. I Dontas, P Lelovas, A Patsaki, A Galanos, D Njamen, J Tchoumtchoua, LA Skaltsounis, M Halabalaki.
- **EUROMAR 2013, 28-29 Jun 2013, Hersonissos, Crete, Greece.**
 - 182. Effect of supplementation with Olive Leaf Extract, enriched in Oleuropein, using NMR and MS metabolomics analysis. S Kostidis, N Lemonakis, K Tsiagkas, N Bliziotis, A Papachristodoulou, D Benaki, M Halabalaki, P Chadjiilias, D Komninou, E Gikas, LA Skaltsounis, V Mougios, E Mikros.
 - 183. Simultaneous NMR and UHPLC-HRMS metabolomic analysis for the identification of significant biomarkers in different resistant *Vitis* cultivars. A Stefanou, M Halabalaki, S Bertrand, J Bocard, S Kostidis, K Gindro, JL Wolfender, D Benaki, E Mikros, LA Skaltsounis.
- **Second congress on steroids research, 10-12 Mar 2013, Chicago, USA.**
 - 184. Oleocanthal enhances estradiol induced gene expression through estrogen receptor- α . S Djiogue, T Ehrhardt, AM Keiler, M Halabalaki, AB Smith III, LA Skaltsounis, G Vollmer.
- **BCLAS - ESLAV - ECLAM Symposium, 15-16 Oct 2012, Liege, Belgium.**
 - 185. The influence of a plant extract (*Amphimas pterocarpoides*) on haemodynamic parameters of the ovariectomized rat model of osteoporosis. IA Dontas, A Patsaki, PP Lelovas, C Passali, A Galanos, J Tchoumtchoua, M Halabalaki.
- **International Congress on Natural Products Research (ICNPR), 28 Jul –1 Aug 2012, New York City, US.**
 - 186. Hydroxytyrosol: A compound from nature's arsenal against metabolic syndrome. N Lemonakis, E Gikas, H Poudyal, M Halabalaki, L Brown, LA Skaltsounis.
 - 187. UHPLC-LTQ-ORBITRAP based identification and HSCCC isolation of antifungal components from *Platanus* sp. (Platanaceae). QD Thai, J Tchoumtchoua, S Mitakou, S Michel, B Deguin, M Halabalaki, LA Skaltsounis.
 - 188. Evaluation of natural products as potential agrochemical agents with insecticide, fungicide and herbicide activities. V Dumontet, M Litaudon, F Olivon C Poullain, P Rasoanaivo, D Stien, V Eparvier, E Houël, N Fokialakis, M Halabalaki, LA Skaltsounis, A Espinosa, D Olmedo, M Gupta, G Fouche, M Hamburger, O Sorgenfrei, D Breuning, F Guéritte.
 - 189. UPLC-HRMS based profiling of *Micromelum falcatum* extracts and isolation of coumarin derivatives. E Danika, E Kouloura, K Sothea, M Halabalaki, LA Skaltsounis.
 - 190. From drupes to olive oil: How do bioactives vary during a single production procedure? P Kanakis, A Termentzi, T Michel, E Gikas, M Halabalaki, LA Skaltsounis.
 - 191. Oleacein and oleocanthal: Two olive oil bioactives in multiple chemical forms. T Michel, A Termentzi, E Gikas, M Halabalaki, AB Smith III, LA Skaltsounis.
 - 192. Rapid identification of Acronychia-type acetophenones in *Acronychia pedunculata* using an UPLC-ESI-MS/MS platform. E Kouloura, M Halabalaki, K Awang, AHA Hadi, LA Skaltsounis.
 - 193. Is orbitrap quantitative? Critical aspects of its potential using natural products and synthetic drugs as models. E Gikas, A Termentzi, J Tchoumtchoua, E Kouloura, N Lemonakis, M Halabalaki, LA Skaltsounis.
 - 194. Structure-oriented UHPLC-LTQ-orbitrap-based approach for the identification of isoflavonoids from *Amphimas pterocarpoides*. J Tchoumtchoua, M Halabalaki, D Njamen, LA Skaltsounis.
 - 195. First synthesis of acrovestone, desmethylacrovestone and derivatives. N Gaboriaud-Kolar, A Svouraki, M Halabalaki, LA Skaltsounis.
- **8th Brazilian Symposium of Pharmacognosy and 11th International Symposium of the Brazilian Society of Pharmacognosy 18-22 April 2012, Ilheus-Bahia, Brazil.**
 - 196. An Integrated LC-MS based methodology for the total quality control of commercial oleuropein herb medicinal products. N Lemonakis, E Gikas, M Halabalaki, LA Skaltsounis.
 - 197. HPLC-DAD and LC-HRMS profiling and phytochemical investigation of *Platanus* sp. (Platanaceae). QD Thai, J Tchoumtchoua, S Mitakou, S Michel, B Deguin, M Halabalaki, AL Skaltsounis.

198. Metabolic profiling of *Acronychia pedunculata*, targeted isolation of acetophenone derivatives and evaluation of their cytotoxicity. E. Kouloura, M Halabalaki, MC Lallemand, S Nam, R Jove, M Litaudon, K Awang, HA Hadi, LA Skaltsounis (Oral presentation).
- **Bioactive principles of medicinal plants and diet" Symposium, October 01 - 05, 2012, Technical University of Dresden, Dresden, Germany.**
 199. Estrogenic and cytotoxic properties of *Erythrina excelsa* Baker (Fabaceae). S Tchoukouegno Ngueu, J Tchoumtchoua, D Njamien, M Halabalaki, U Laudénbach-Leschowski, P Diel.
 - **Joint BCLAS, ESLAV & ECLAM Scientific Meeting. October 15-16, 2012, Palais des Congrès, Liège, Belgium "Sharing is Caring": New debates within the European Animal Laboratory Community.**
 200. The Influence of a Plant Extract (*Amphimas pterocarpoides*) on Haemodynamic Parameters of the Ovariectomized Rat Model of Osteoporosis. IA. Dontas, A Patsaki, PP Lelovas, C Passali, A Galanos, J Tchoumtchoua, M Halabalaki.
 - **59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, 4-9 Sep 2011, Antalya, Turkey.**
 201. Isolation and Tandem Mass Spectrometric Characterization of Selected *Crocus sativus* L. (Saffron) Bioactive Compounds. NS Koulakiotis, E Pittenauer, M Halabalaki, AL Skaltsounis, G. Allmaier, A Tsarbopoulos.
 202. NMR and HRMS/MS studies of acetophenone derivatives isolated from *Acronychia pedunculata* (L.) MIQ.-Rutaceae. E Kouloura, S Kostidis, M Halabalaki, LA Skaltsounis.
 203. Phytochemical analysis of *Anthyllis hermanniae* – Leguminosae, and development of a sensitive UHPLC-HRMS/MS method for the rapid analysis of the phenolic content. A Paschali, A Termentzi, M Halabalaki, LA Skaltsounis.
 204. Isolation and structure elucidation of coumarins from *Micromelum falcatum* – Rutaceae. E Danika, E Kouloura, K Shothea, M Halabalaki, LA Skaltsounis.
 205. NMR- and UHPLC-MS-based metabolomics for the discrimination of different resistant *Vitis vinifera* cultivar woods. A Stefanou, S Bertrand, J Boccard, N Lemonakis, G Marti, S Rudaz, S Kostidis, E Gikas, AL Skaltsounis, K Gindro, M Halabalaki, JL Wolfender.
 206. A structure-oriented approach for the accelerated and focused isolation of possible bioactive natural products based on UHPLC-HRMS/MS methods. M Halabalaki, J Tchoumtchoua, AL Skaltsounis.
 - **1st Panhellenic Meeting of Graduate Students in Pharmaceutical Sciences, April 2011, Athens, Greece.**
 207. Isolation and structure elucidation of coumarins from *Micromelum falcatum*. E Danika, E Kouloura, K Shothea, M Halabalaki, LA Skaltsounis.
 - **58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, 29 Aug – 2 Sep 2010, Berlin, Germany.**
 208. Isolation of isoflavonoids from *Amphimas pterocarpoides* and structure elucidation using LC-HRMSn and NMR techniques. J Tchoumtchoua, M Halabalaki, D Njamien, J Mbanya, LA Skaltsounis.
 209. Estrogenic properties of prenylated isoflavones in U2OS human osteosarcoma cells: structure-activity relationships. S Djiogue, D Njamien, M Halabalaki, G Kretschmar, A Beyer, J Mbanya, LA Skaltsounis, G. Vollmer.
 210. Studies of acetophenones from *Acronychia laurifolia* with HPLC, FCPC and LC-MS techniques. E Kouloura, M Halabalaki, M Lallemand, F Tillequin, LA Skaltsounis.
 - **1st International Proteomics Conference in Crete, October 2010 Crete – IPCC01, Greece.**
 211. Studies of acetophenones from *Acronychia laurifolia* with LC-HRMS techniques. E Kouloura, M Halabalaki, LA Skaltsounis
 212. Simultaneous Determination and Characterization of Isoflavonoids from *Amphimas pterocarpoides* Harms using UHPLC-ESI(+&-) and APCI(+&-)-LTQ-Orbitrap. J Tchoumtchoua, M Halabalaki, D Njamien, JC Mbanya, LA Skaltsounis.
 213. Applications of Mass Spectrometry in Natural Products Chemistry. N Lemonakis, E Kouloura, J Tchoumtchoua, E Gikas, M Halabalaki, LA Skaltsounis.
 - **The 51st Annual Meeting of the American Society of Pharmacognosy and Phytochemical Society for North America, July 10-14, 2010, St Petersburg Beach, Florida, USA "Natural Products From Discovery to Commercialization".**
 214. Isolation, Structure Determination and Bio-Evaluation of Natural Products Expressing Affinity to Nuclear Receptors. M Halabalaki, S Djiogue, J Tchoumtchoua, NE Arapogianni, A Paschali, X Alexi, G Kretschmar, MN Alexi, G Vollmer, LA Skaltsounis.

- **57th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, 16-20 Aug 2009, Geneva, Switzerland.**
 - 215.** Studies of acetophenones from *Acronychia laurifolia* with HPLC, FCPC and LC-MS techniques. E Kouloura, M Halabalaki, M Lallemand, F Tillequin, LA Skaltsounis.
 - 216.** Phytochemical investigation and biological evaluation of the secondary metabolites isolated from *Erythrina poeppigiana* – Fabaceae. S Djiogue, M Halabalaki, D Njamen, MN Alexis, Z Tanee Fomum, LA Skaltsounis.
- **7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, "Natural Products with Pharmaceutical, Nutraceutical, Cosmetic and Agrochemical Interest", 3 - 8 Aug 2008, Athens, Greece.**
 - 217.** Pharmacoproteomic and toxicoproteomic study of the natural product Ebenfuran III in DU-145 prostate cancer cells using iTRAQ with 2D LC and tandem mass spectrometry M Halabalaki, IT Roumeliotis, E Giannopoulou, X Alexi, L Meijer, MN Alexis, LA Skaltsounis, DS Garbis (Oral presentation).
 - 218.** The first total synthesis of Hermanioside A, a new flavonol triglycoside from *Anthyllis hermanniae* – Leguminosae. A Paschali, M Halabalaki, P Tsiripillou, S Mitakou, LA Skaltsounis.
 - 219.** Phytochemical investigation of plants from Leguminosae family originated from Cameroon. S Djiogue, M Halabalaki, D Njamen, Z Tanee Fomum, LA Skaltsounis.
 - 220.** *Onobrychis* species: a source of novel C-prenylated cytotoxic 3-formyl-2-arylbenzofurans. M Halabalaki, X Alexi, N Aligiannis, E Kalpoutzakis, MN Alexis, LA Skaltsounis.
 - 221.** Biosynthetic origin of medicarpin in elicited fenugreek (*Trigonella foenum-graecum* L.) seedlings. D Tsiri, M Halabalaki, CG Spyropoulos, K Haralampidis, I Chinou.
 - 222.** Alkaloids and phenolic compounds from *Acronychia laurifolia* – Rutaceae. E Kouloura, M Halabalaki, M Lallemand, F Tillequin, LA Skaltsounis.
 - 223.** Phytochemicals as modulators of hormone physiology. G Vollmer, M Halabalaki, F Moller, A Papke, J Wober, AL Skaltsounis, P Diel.
- **55th International Congress and Annual Meeting of the Society for Medicinal Plant Research, 2-6 Sep 2007, Graz, Austria.**
 - 224.** Peroxisome Proliferator-Activated Receptor- γ (PPAR γ) activity from *Cistus salvifolius*-Cistaceae. NE Arapogianni, M Halabalaki, J Hempel, A Schwabe, J Wober, LA Skaltsounis, G Vollmer.
- **50th Anniversary Meeting, Challenges in Organic Chemistry, Eighth Tetrahedron Symposium, 6-9 Feb 2007 Berlin, Germany.**
 - 225.** The First Total Synthesis of Hermannioside A, a New Flavonol Triglycoside from *Anthyllis hermanniae*. M Halabalaki, A Paschali, Ph Tsiripillou, S Mitakou, LA Skaltsounis.
- **The 55th ASMS Conference on Mass Spectrometry and Allied Topics, 3-7 Jun 2007, Indianapolis, USA.**
 - 226.** *In vitro* pharmacoproteomic and toxicoproteomic study of a novel benzofuran isolated from *Onobrychis ebenoides* in MCF-7 and DU-145 cell M Halabalaki, T Roumeliotis, X Alexi, P Zerefos, A Papadopoulou, A Vlahou; S Kossida, MN Alexis, LA Skaltsounis, SD Garbis (Oral presentation).
- **12th International Congress on Hormonal Steroids and Hormones & Cancer, 2-5 Jun 2006, Athens, Greece.**
 - 227.** Anticancer activity of 2-arylbenzofuran phytoestrogens. ES Katsanou, M Halabalaki, N Aligiannis, S Mitakou, AL Skaltsounis, H Pratsinis, MN Alexis.
 - 228.** Phytoestrogens from Greek Flora – Developmet and Biological Evaluation of New Natural and Semisynthetic Compounds. N Fokialakis, M Halabalaki, N Aligiannis, H Pratsinis, S Mitakou, E Mikros, LA Skaltsounis, MN Alexis.
- **5th International Symposium on Chromatography of Natural Products (ISCNP), 2-5 Jun 2006, Lublin, Poland.**
 - 229.** New flavonoid glycosides from *Anthyllis hermanniae*. A Paschali, M Halabalaki, S Mitakou, LA Skaltsounis.
- **53rd Annual Congress of GA, 21-25 Aug 2005, Florence, Italy.**
 - 230.** Benzofurans: New class of phytoestrogens. M Halabalaki, N Aligiannis, I Dontas, S Motakou, H Pratsinis, M Alexis, LA Skaltsounis.
 - 231.** Phytochemical investigation of *Trifolium uniflorum* – Leguminosae. S Fakas, M Halabalaki, N Aligiannis, LA Skaltsounis.
- **XXII International conference of polyphenols, 25-28 Aug 2004, Helsinki, Finland.**
 - 232.** The estrogen receptor and polyphenols: molecular simulation studies of their interactions, a review G Lambrinidis, M Halabalaki, E Katsanou, AL Skaltsounis, M Alexis, E Mikros (Oral presentation).

- **10th European Congress of Pharmaceutical Sciences, 5-8 Nov 2004, Brussels, Belgium.**
233.An improved GC-MS method for the quantification of isosorbide-5-mononitrate in plasma. N Fotaki, E Gikas, M Halabalaki, C Reppas.
- **4th International Symposium on Chromatography of Natural Products, 14-17 Jun 2004 Lublin, Poland.**
234.Production of medicarpin and other isoflavonoids by fenugreek (*Trigonella foenum-graecum* L.) plants. D Tsiri, P Sotiriou, M Halabalaki, I Chinou, E Exarchou, CG Spyropoulos.
- **33rd Congress of the European Society for Surgical Research, 2-5 Jun 2003, Corfu, Greece.**
235.Protective phytoestrogen effect on bone density of ovariectomized rats. I Dontas, M Halabalaki, S Mitakou, P Raptou, D Giannarakos, A Galanos, GP Lyritis (Oral presentation).
- **3rd EPHAR, 6-9 Jul 2001, Lyon, France.**
236.Effects of phytoestrogens on human lymphocyte blastogenesis: a preliminary *in vitro* study. F Michelis, F Tiligada, Z Papoutsis, M Halabalaki, N Aliogiannis, S Mitakou, A Delitheos, P Moutsatsou.
- **Phytochemical Society of Europe (PSE) Symposium, 12-14 Sep 2001, Lausanne, Switzerland.**
237.Isoflavones and benzofurans from *Onobrychis ebenoides* and evaluation of their estrogenic activity. M Halabalaki, N Aliogiannis, H Pratsinis, G Labrinidis, E Mikros, S Mitakou, LA Skaltsounis.
- **Symposium for the 30 Years of the Greek Society of Biochemistry and Molecular Biology, 3-6 Feb 2001, Athens.**
238.Effect of the extract of an endemic plant of Greece to the weight of the uterus, *in vivo*. Z Papoutsis, I Dontas, M Halabalaki, S Mitakou, A Tsiapara, G Lyritis, P Moutsatsou.
- **48th Annual Congress, Society for Medicinal Plant Research and 6th International Congress on Ethnopharmacology of the ISE 3-7 Sep 2000, Zurich, Switzerland.**
239.Three new arylbenzofuranes from *Onobrychis ebenoides* and evaluation of their binding affinity for the estrogen receptor. M Halabalaki, N Aliogiannis, Z Papoutsis, S Mitakou, P Moutsatsou, C Sekeris, LA Skaltsounis.