

### **PERSONAL DATA**

Surname: Halabalaki  
Name: Maria  
Date of Birth: 08.08.1973  
Residential/Postal Address: Anakreonos 10, Athens, Greece  
E-mail: [mariahal@pharm.uoa.gr](mailto: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 (2005)**, Division of Pharmacognosy and Natural Product Chemistry, Department of Pharmacy, National and Kapodidtrian University of Athens-NKUA. Thesis title “Phytochemical and Pharmacological study of phytoestrogens from genus *Onobrychis* – Evaluation of the effect of *O. ebenoides* to osteoporosis”.
- **MSc in Natural Products Chemistry (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 (1998)**, Department of Pharmacy, NKUA.

### **WORK EXPERIENCE**

- 2021-TODAY:** **Associate Professor in the field of «Pharmacognosy and Natural Products Chemistry»** (election date 05/10/2021 – appointment date 24/03/2022), Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- 2017-2021:** **Assistant Professor** in the field of “Pharmacognosy” (election date 18/05/2017 – appointment date 22/12/2017), Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- 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, Great Britain. 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 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 (1 week).
- 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) (2 weeks).
- 2009:** **Laboratory and administrative 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.** Short visit for 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” (4 weeks).
- 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” (2 weeks).
- 2007-2009:** **Post doctoral researcher,** Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- 2006-2007:** **Post doctoral researcher, Biomedical Research Foundation of the Academy of Athens (BRFAA),** Proteomics and Pharmacoproteomics Approaches, 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**

- 71<sup>st</sup> International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2023, 2<sup>nd</sup> – 5<sup>th</sup> July **2023**, Dublin, Ireland. **Bionorica Phytoneering Award.** 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*”
- 70<sup>th</sup> International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2022, 28<sup>th</sup> –31<sup>st</sup> 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, 23rd – 27th 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](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*” I Kyziropoulos, ME Sakavitsi, IK Tseti, M. Halabalaki, AL Skaltsounis.
  - 67<sup>th</sup> 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.
  - 62<sup>nd</sup> International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2014, 31<sup>st</sup> August – 4<sup>th</sup> 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.
  - 59<sup>th</sup> 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.
  - 11<sup>th</sup> Panhellenic Congress of the Hellenic Association of Bone Metabolism Studies. 20-22 Σεπτεμβρίου **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](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**

### **2022-TODAY**

- **Special courses in Pharmacognosy** (co-teaching) and **Pharmacognosy II** (practical course) Undergraduate studies, Department of Pharmacy, NKUA.
- **Spectroscopy I, Analysis I and Analysis II** (Master’s program, co-teaching), Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- **Ageing and age-related diseases**, Master’s program «Bioinformatics – Computational Biology» of Department of Biology, NKUA.
- **Characterization of medicinal plants and their products - safety and legislative framework** (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), **Pharmacognosy II** (practical course) and **Introduction of Laboratory Practices** (practical course),

Undergraduate studies, Department of Pharmacy, NKUA.

- **Spectroscopy I, Analysis I and “Analysis II”** (Master’s program, co-teaching), Division of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA.
- **Ageing and age-related diseases** for the students of master program «Bioinformatics – Computational Biology» of Department of Biology, NKUA.

#### 2015-2017

**Pharmacognosy I, Pharmacognosy II and Analytical Chemistry II** (practical courses, teaching assistance) Undergraduate studies, Department of Pharmacy, NKUA.

- **“Special courses in Pharmacognosy” and “Analysis of Natural Products”** (lectures), Department of Pharmacy, NKUA.

#### 2014-2015

**Chemische und biologische Analyse biogener Arzneimittel** (practical courses, two semesters), Division of Pharmacognosy, Department of Pharmacy, **University of Innsbruck** (Institut für Pharmazie, Pharmakognosie, Universität, Innsbruck).

#### 2013-2015

**Pharmacognosy I, Pharmacognosy II and Analytical Chemistry II** (practical courses, teaching assistance), Undergraduate studies, Department of Pharmacy, NKUA.

- **Special courses in Pharmacognosy and Analysis of Natural Products** (lectures), Department of Pharmacy, NKUA.
- 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).
- Laboratory and scientific co-supervision of graduate, master’s and PhD students.

#### 2009-2012

**Pharmacognosy I and Pharmacognosy II** (practical courses, teaching assistance), undergraduate studies, Department of Pharmacy, NKUA.

- **Special courses in Pharmacognosy and Analysis of Natural Products** (lectures), Department of Pharmacy, NKUA.
- Laboratory and scientific co-supervision of graduate, master’s and PhD students.

#### 2005-2009

- **Pharmacognosy II** (laboratory, technical and teaching assistance)
- Laboratory and participation in the scientific supervision of graduate, master’s and PhD students.

#### 2000-2004

**Pharmacognosy II and Pharmacognosy III** (part-time postgraduate student), undergraduate studies, Department of Pharmacy, NKUA.

### SUPERVISION

- Post Doctoral research (4 ongoing, 8 in total)
- PhD thesis supervision (6 ongoing, 9 in total); 3-member committee of PhD candidates (10 ongoing, 14 in total); 7-member committee of PhD candidates (10); international PhD candidates - external committee (6); PhD candidates laboratory and scientific assistance (5)
- Master’s student’s supervision (2 ongoing, 13 in total); Master’s students 3-member committee of (21); Masters students laboratory and scientific assistance (19)
- Bachelor thesis (9)

### ADMINISTRATIVE DUTIES

- 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-today)
- Member of the Disabled Students Committee (2022-today)

- Member of the Postgraduate Study Program Committee
- 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 θσινν 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).
- 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 «Beld and Road» initiated in 2019.
- Member of the International «**Yale Olive Institute – YOI**», Yale School of Public Health, from 2018

#### **CURRENT SCIENTIFIC COLLABORATIONS (indicatevely)**

- **University of Geneva**, School of Pharmacy, Department of Pharmaceutical Science, Laboratory of Pharmacognosy and Phytochemistry, Geneva, Switzerland (Prof. Jean Luc Wolfender, Dr. Emerson Queross)
- **Democritus University of Thrace**, Department of Medicine, Department of Radiotherapy and Oncology, Alexandroupoli, Greece & University of Oxford, Department of Oncology, Oxford, United Kingdom (Assistant Prof. Christos Zois)
- **Technology and Research Foundation (ITE)**, Institute of Molecular Biology and Biotechnology (IMBB), Heraklion, Crete, (Prof. Yiannis Vontas)
- **Ohio State University**, Department of Food Science and Technology, USA (Prof. Emmanuel Hatzakis)
- **Université de Reims Champagne-Ardenne**, Institut de Chimie Moléculaire de Reims, France (Prof. Jean-Hugues Renault, Dr Pedro Lameiras)
- **University of Vienna**, Department of Pharmaceutical Sciences, Division of Pharmacognosy, Austria (Prof. Verena M. Dirsch)
- **University of North Carolina (UNC) Greensboro**, Department of Chemistry and Biochemistry, USA (Prof. Nadja B. Cech)
- **University of Novi Sad**, Faculty of Medicine, Department of Pharmacy, Serbia (Prof. Nataša Milić)
- **Technische Universität München (TUM)**, Department Chemie, Germany (Prof. Thomas Brück)
- **University of Halle**, Leibniz Institute of Plant Biochemistry, Germany (Dr Gerd Balcke – Head of LC-MS Metabolomics)
- **Norges Miljø-og Biovitenskaplige Universitet (NMBU)**, Department of Preclinical Sciences and Pathology, Norway (Dr Alexander Crawford)
- **University of Antwerp**, Department of Pharmaceutical Sciences, Natural Products and Food - Research and Analysis (NatuRA), Belgium (Prof. Luc Pieters, Prof. Nina Hermanns)
- **Medical University of Lublin**, Department of Pharmacognosy with Medicinal Plant Unit, Poland (Prof. Wirginia Kukuła-Koch)
- **University of Vienna**, Department of Pharmacognosy, Vienna, Austria (Prof. Judith Rollinger).
- **University of Ioannina**, Medical School, Pharmacology Laboratory, Ioannina, Greece (Prof. Aikaterini Antoniou)
- **National and Kapodistrian University of Athens**, Medical School, Biology Laboratory, Athens, Greece (Prof. Aristidis Iliopoulos)
- **National and Kapodistrian University of Athens**, Department of Biology, Division of Botany, Athens, Greece (Prof. Nikolaos Christodoulakis)
- **University of Bayreuth**, Department of Biopolymers and Research Center for Bio-Macromolecules, Bayreuth, Germany (Prof. Stefan Schwarzingler)

- **Technical University of Dresden**, Institute of Zoology, Department of Endocrinology and Cell Physiology, Dresden, Germany, (Prof. Guenter Vollmer, Prof. Oliver Zierau).
- **Harokopio University of Athens**, Laboratory of cellular and molecular Biology, Department of Nutrition Science and Dietetics, Athens, Greece (Prof. George Dedousis)
- **Harokopio University of Athens**, Laboratory of cellular and molecular Biology, Department of Nutrition and Dietetics, (Prof. Vaios Karathanos, Dr Amalia Gianni)
- **National & Kapodistrian University of Athens**, Department of Cell Biology & Biophysics Faculty of Biology, Athens, Greece (Prof. Ioanis Trougakos).
- **National Center of Scientific Research “Dimokritos”**, Laboratory of Ageing and Cell Proliferation, Athens, Greece (Dr Dimitris Kletsas, Dr Harris Pratsinis).

## **RESEARCH GRANTS**

### **Principal Investigator (Participant or Sub-contractor)**

- **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€) - COORDINATOR
- **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-PHARM budget (120,000€) - Participant
- **Hellenic Foundation of Research and Innovation, H.F.R.I. - ELIDEK - 4th Call for H.F.R.I. Doctorate Scholarships** (Α.Π. 42328/21.12.2021). Phytochemical and authenticity investigation of honey using conventional methods and modern metabolic profiling approaches (scholarship code 9427) / NKUA-PHARM budget (21,600€) - COORDINATOR
- **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 budget (44,547.5€) - Participant
- **ESPA 2014-2020, MIA-RTDI, ACTION «RESEARCH, CREATE, INNOVATION» (2021-2023)**: Reserch and Development of Innovative Phytotherapeutics based on Chios Mastic Gum with Anti-hypertensive activity - – **HYPER-MASTIC (T2EΔK-00547)** – Total budget (999,994 €) – NKUA/PHARM budget (234,257€) - Participant
- **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-PHARM budget 130,000€) - NKUA COORDINATOR
- **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 budget (203,278€) – Participant
- **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 budget (54,594€)– Participant
- **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-PHARM budget (79,860€) – NKUA COORDINATOR
- **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-PHARM budget (146,950€)– NKUA COORDINATOR

- 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€
- Innovative final products based on the hydrodistillation of aromatic plants of Greek biodiversity, **HYDRAROMA** – 37,200€
- Innovative approaches for plant protection from phytopathogens of Xanthomonadaceae family using audiovisual technology and molecular biology– **Innova-Protect**, 37,200€
- 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€
- **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**

- **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€)
- **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€)
- **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€)
- **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€)
- **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€)
- **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€)
- **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
- **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€)
- **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€)
- **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€)
- **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€)
- **FP7-PEOPLE–Marie Curie Action-IRSES (2011-2015)**. “hERG Related Risk Assessment of Botanicals – **hERGSscreen**” (GAN: 295174) / NKUA-PHARM budget (35,016€)
- **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€)



- **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€)
- **Cooperation 2009 (09ΣΥΝ-13-1076) – 2011-2015**: “Development of natural products and derivatives aiming to the prevention and treatment of osteoporosis: transcriptomics, proteomics and metabolomic approaches” (KA70/3/10764) / NKUA-PHARM budget (191,305€)
- **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€)
- **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€)
- **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€)

#### Member of the reseach team

- **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€)
- **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€)

#### SCIENTIFIC SOCIETIES/COMMEETIES

- 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-σήμερα: Member of the Board of Directors tof “**Society for Medicinal Plant and Natural Product Research**” (**GA**)

#### ORGANISING AND SCIENTIFIC COMMITTEE OF CONFERENCES/CONGRESSES

- 20<sup>o</sup> Pan-Hellenic Pharmacy Conference «The multidimensional Discipline of Pharmacy”, Hellenic Research Center, 16 -17 December **2023** (Scientific Committee).

- 71st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 2-5 July **2023**, Dublin, Ireland (Scientific Committee).
- 70th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 28-31 August **2022**, Thessaloniki, Greece (Scientific Committee).
- 10<sup>th</sup> Pan-Hellenic Meeting of Greek Lipid Forum. 25 November **2022** (Scientific Committee).
- 9th Virtual Panhellenic Conference of Greek Lipid Forum “Current Trends in the Field of Lipids”, 22 October **2021** (Scientific Committee).
- PSE meeting 2021 - Natural Products in Drug Discovery and Development – Advances and Perspectives, September 20 – 23, **2021**, Iasi, Romania (Scientific Committee).
- 20<sup>th</sup> International Congress of International Society for Ethnopharmacology, 18-20, April **2021**, Thessaloniki, Greece (Scientific Committee).
- 9<sup>th</sup> virtual Pan-Hellenic Meeting of Greek Lipid Forum – Research trends in the Field of Lipids, 22 October **2021** (Scientific Committee).
- 19<sup>th</sup> International Congress of the International Society of Ethnopharmacology, 12-14 June **2019**, Dresden, Germany (Organising Committee).
- 30<sup>th</sup> International Symposium on the Chemistry of Natural Products και 10<sup>th</sup> International Congress on Biodiversity (ISCNP30 & ICOB10), 25 – 29 November **2018**, Athens, Greece under the umbrella of «International Union of Pure and Applied Chemistry –IUPAC» <https://www.iscnp30-icob10.org/> (Organising Committee - Executive Chair).
- 3<sup>rd</sup> International Conference on Natural Products, 18-21 October **2017**, Bansko, Bulgaria (Organising Committee).
- LE STUDIUM CONFERENCE- Olive Bioactives: Applications and Prospects, 4-6 July **2016**, Orleans, France (Organising 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 κτλ. (GUEST EDITOR - Molecules: Special Issue "Applications of Metabolomics within Natural Products Chemistry" 2015 [http://www.mdpi.com/journal/molecules/special\\_issues/metabolomics\\_natural\\_chemistry](http://www.mdpi.com/journal/molecules/special_issues/metabolomics_natural_chemistry))

#### **EDITORIAL BOARDS OF SCIENTIFIC JOURNALS**

-Journal of Ethnopharmacology  
-Planta Medica International Open (PMIO)  
-Journal of Natural Products

#### **Invited speaker in Summer Schools, Seminars, Webinars, Thematic meetings**

- **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** (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, 9 June **2023**  
“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-MS<sup>n</sup> techniques in natural products chemistry”

## **PRESENTATIONS IN SCIENTIFIC CONFERENCES**

### **Oral presentations in scientific conferences after invitation**

1. **2<sup>nd</sup> Natural Cosmetics International Meeting, Kielnarowa/Rzeszów, Poland, 20-22 September 2023**  
“Probing Greek flora towards the discovery of novel cosmetic entities employing chemical and biological profiling approaches”
2. **19<sup>th</sup> Hellenic Symposium on Medicinal Chemistry, University of Patras, Patras, Greece, 9-11 March 2023**  
“Bioavailability and metabolism of olive bioactives”
3. **IUPAC 31<sup>st</sup> International Symposium on the Chemistry of Natural Products and the 11th International Congress on Biodiversity (ISCNP31 & ICOB11), 25-29 October 2020, Napoli, Italy**  
“Bioavailability and metabolism aspects of natural bioactives: The case of phenyl alcohols and secoiridoids”
4. **9<sup>th</sup> 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”
5. **Cosm'Innov-The International congress for cosmetics research, 24th and 25th May, Orléans, France**  
“Probing Greek flora towards the discovery of novel cosmetic entities employing chemical and biological profiling approaches”
6. **Stable Isotopes Unit – “Demokritos” Research Center “Greek Diet: From ancient diet till today” –**  
“Food bioactives metabolism”
7. **11<sup>th</sup> Conference on Medicinal and Aromatic Plants of Southeast European Countries Ohrid, R. North Macedonia 6 – 10 October 2022**  
“Bioavailability and metabolism of olive bioactives”
8. **Natural Cosmetics International Meeting - Poland, Rzeszów, 22-24 September 2021**  
“*Pistacia lentiscus resin* (Chios mastic gum): a contemporary “ancient” phytotherapeutic and cosmetic agent”
9. **5<sup>th</sup> 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”
10. **1<sup>st</sup> Natural Cosmetics International Meeting, 22-24 September, Kielnarowa, Poland**  
“*Pistacia lentiscus resin* (Chios mastic gum): a contemporary “ancient” phytotherapeutic and cosmetic agent”
11. **25<sup>th</sup> Hellenic symposium of *Ellicobacter pilori* and other gastrointestinal diseases.**  
“Mastic gum, a resin with exceptional properties”

**12. Founding and Annual Conference of Pan-Balkan Alliance of Natural Products and Drug Discovery Associations, 25-28 September 2019, Shanghai China**

“Systematic investigation of *Pistachia lentiscus* var *Chia* resin, a unique product with exceptional pharmacological properties”

**13. 19<sup>th</sup> 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”

**14. International Alumni Symposium 2019, Natural compounds, molecular mechanism of action, metabolomics 10 – 16 June 2019, Oberbärenburg, Germany**

“Metabolomics in natural products chemistry”

**15. 8<sup>th</sup> National Congress on Medicinal Plants, 23-25 April 2019, Tehran, Iran**

“*Pistachia* genus: Chemistry and Biology”

**16. “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”

**17. “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”

**18. 3<sup>rd</sup> International Conference on Natural Products Utilization, 18-21 October 2017, Bansko, Bulgaria**

“*Pistacia*: exploration of a unique genus with exceptional pharmacological properties”

**19. 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”

**20. LE STUDIUM CONFERENCE - Olive Bioactives: Applications and prospects, Orléans – 04/05/06 July 2016**

“Isolation, separation and characterization of olive bioactive compounds”

**21. 10<sup>th</sup> International Symposium on Chromatography of Natural Products, June 6th-9th, 2016, Lublin, Poland**

“Metabolomic applications in Natural Products”

**22. The Inaugural Symposium of the Phytochemical Society of Asia 2015 (ISPSA2015), August 30 – September 2, 2015, Tokushima, Japan**

“Olive bioactives: possibilities and applications”

**23. 63<sup>rd</sup> International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research GA2015, 23<sup>rd</sup> – 27<sup>th</sup> August 2015, Budapest, Hungary**

“Integrated Metabolomic approaches in Natural Products Chemistry” *Egon Stahl Award lecture*

**Oral presentations**

**24. 20<sup>th</sup> International Congress of International Society for Ethnopharmacology 18-20 April 2021, Thessaloniki, Greece.**

“*Pistacia lentiscus* resin (Chios mastic gum): chemistry and biology”

**25. 67<sup>th</sup> 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”

**26. 62<sup>nd</sup> International Congress and Annual Meeting of the Society of for the Medicinal Plant and Natural Products Research – GA2014, 31<sup>st</sup> August – 4<sup>th</sup> September, Guimaraes, Portugal.**

“Dereplication and metabolomics strategies for the discovery of bioactive natural products. The *Acronychia* example”

**27. 9<sup>th</sup> International Symposium on Chromatography of Natural Products - SCNP, 26-29 May 2013, Lublin, Poland.**

“Olive bioactives: possibilities and applications”

**28. VIII<sup>th</sup> Joint Meeting on Medicinal Chemistry, 30 June – 4 July 2013, Lublin, Poland.**

“Natural agents and nuclear receptors”

**29. International Symposium in “Bioactive principles of medicinal plants and diet”, TU Dresden, 1-5 Oct 2012, Dresden, Germany.**

“New concepts, experimental approaches and dereplication strategies for the discovery of novel compounds from natural sources”

**30. VIII Brazilian Symposium on Pharmacognosy, 18-22 Apr 2012, Ilheus, Brazil.**

“Exploring the Chemical Biodiversity with Innovative Approaches to Fight Chagas Disease and Leishmaniasis – ChemBioFight-IRSES-EU project”

**31. 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”

**32. 59<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, 4-9 Sep 2011, Antalya, Turkey.**

“A structure-oriented approach for the accelerated and focused isolation of possible bioactive natural products based on UHPLC-HRMS/MS methods”

**33. 58<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products Research, 29 Aug-2 Sep 2010, Berlin, Germany.**

“Natural phenolics and nuclear receptors (ER & PPAR): Isolation, structure determination and biological evaluation”.

**34. 1<sup>st</sup> Hellenic Symposium on Organic Synthesis, 4-6 Nov 2005, Athens, Greece.**

“Phytoestrogens from *Onobrychis ebenoides*. Evaluation of their estrogenic activities *in vitro* and *in vivo*”

**35. Second Open Plenary Meeting of thematic network “Phytohealth” (FP5), 27-30 Oct 2004, Hersonisos, Greece.**

“Benzofurans: New class of phytoestrogens”

**36. 10<sup>th</sup> National Conference of Pharmaceutical Chemistry, 27-30 Nov 2002, Athens, Greece.**

“Phytoestrogens from *Onobrychis ebenoides* and evaluation of their estrogenic activity *in vitro* and *in vivo*”

**Oral presentations in scientific groups after invitation**

- 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**

1. Tzimas P.S., Petrakis E.A., Halabalaki M., Skaltsounis L.A. Extraction solvent selection for Cannabis sativa L. by efficient exploration of cannabinoid selectivity and phytochemical diversity. (2024) ***Phytochemical Analysis***, 35 (1), pp. 163 - 183, DOI: 10.1002/pca.3282.
2. Simos Y.V., Zerikiotis S., Lekkas P., Zachariou C., Halabalaki M., Ververidis F., Trantas E.A., Tsamis K., Peschos D., Angelidis C., Vezyraki P. Hydroxytyrosol produced by engineered *Escherichia coli* strains activates Nrf2/HO-1 pathway: An *in vitro* and *in vivo* study. (2023) ***Experimental Biology and Medicine***, 248 (18), pp. 1598 – 1612. DOI: 10.1177/15353702231187647
3. Papaioannou V., Mikropoulou E.V., Yanni A., Karathanos V., Aidini A., Paccou A., Halabalaki M\*. Integration of a derivatization protocol and LC–MS sequential window acquisition of all theoretical mass spectra strategy for amino acid determination in human plasma. (2023) ***Separation Science Plus***, 6 (11), art. no. 2300100, DOI: 10.1002/sscp.202300100
4. Nikou, T., Karampetsou V.K., Koutsoni S.O., Skaltsounis A.L., Dotsika, E. Halabalaki, M\*. Pharmacokinetics and Metabolism Investigation of Oleocanthal (2023) ***Journal of Natural Products***. DOI: <https://doi.org/10.1021/acs.jnatprod.3c00422>
5. Anagnostou, C., Beteinakis, S., Papachristodoulou, A., Pachi, V.K., Dionysopoulou, M., Dimou, S., Diallinas, G., Skaltsounis, L.A., Halabalaki, M\*. Phytochemical investigation of *Pistacia lentiscus* L. var. *Chia* leaves: A byproduct with antimicrobial potential (2023) ***Fitoterapia***, 170, art. no. 105648. DOI: 10.1016/j.fitote.2023.105648
6. Amanatidou, A.I., Mikropoulou, E.V., Amerikanou, C., Milanovic, M., Stojanoski, S., Bjelan, M., Cesarini, L., Campolo, J., Thanopoulou, A., Banerjee, R., Kurth, M.J., Milic, N., Medic-Stojanoska, M., Trivella, M.G., Visvikis-Siest, S., Gastaldelli, A., Halabalaki, M., Kaliora, A.C., Dedoussis, G.V. Plasma Amino Acids in NAFLD Patients with Obesity Are Associated with Steatosis and Fibrosis: Results from the MAST4HEALTH Study. (2023) ***Metabolites***, 13 (8), art. no. 959. DOI: 10.3390/metabo13080959
7. Antoniadou, L., Wawruszak, A., Angelis, A., Czerwonka, A., Jarzab, A., Halabalaki, M., Kukula-Koch, W., Skaltsounis, L.A. High-throughput isolation of gentiopicroside from *Gentiana lutea* and the study on its anticancer properties *in vitro* (2023) ***Industrial Crops and Products***, 195, art. no. 116448. DOI: 10.1016/j.indcrop.2023.116448
8. Petrakis, E.A., Mikropoulou, E.V., Mitakou, S., Halabalaki, M., Kalpoutzakis, E. LC–MS and LC–HRMS perspective on the chemotaxonomic investigation of the natural hybrid *Origanum × liriium* and its parents, *O. vulgare* subsp. *hirtum* and *O. scabrum*. (2023) ***Phytochemical Analysis***, 34 (3), pp. 289-300. DOI: 10.1002/pca.3206
9. Simos, Y.V., Zerikiotis, S., Lekkas, P., Athinodorou, A.-M., Zachariou, C., Tzima, C., Assariotakis, A., Peschos, D., Tsamis, K., Halabalaki, M., Ververidis, F., Trantas, E.A., Economou, G., Tarantilis, P., Vontzalidou, A., Vallianatou, I., Angelidis, C., Vezyraki, P. Oral Supplementation with Hydroxytyrosol Synthesized Using Genetically Modified *Escherichia coli* Strains and Essential Oils Mixture: A Pilot Study on the Safety and Biological Activity (2023) ***Microorganisms***, 11 (3), art. no. 770. DOI: 10.3390/microorganisms11030770

10. Beteinakis, S., Papachristodoulou, A., Kolb, P., Rösch, P., Schwarzinger, S., Mikros, E., Halabalaki, M.\*. NMR-Based Metabolite Profiling and the Application of STOCSY toward the Quality and Authentication Assessment of European EVOOs (2023) **Molecules**, 28 (4), art. no. 1738. DOI: 10.3390/molecules28041738
11. Papaioannou, V., Mikropoulou, E.V., Yanni, A., Karathanos, V., Aidini, A., Paccou, A., Halabalaki, M.\*. Integration of a derivatization protocol and LC–MS sequential window acquisition of all theoretical mass spectra strategy for amino acid determination in human plasma. (2023) **Separation Science Plus** (in press) DOI: 10.1002/sscp.202300100
12. Tzimas, P.S., Petrakis, E.A., Halabalaki, M., Skaltsounis, L.A. Extraction solvent selection for *Cannabis sativa* L. by efficient exploration of cannabinoid selectivity and phytochemical diversity. (2023) **Phytochemical Analysis**. DOI: 10.1002/pca.3282
13. Svingou, D., Mikropoulou, E.V., Pachi, V.K., Smyrnioudis, I., Halabalaki, M.\* Chios mastic gum: A validated method towards authentication (2023) **Journal of Food Composition and Analysis**.115, art. no. 104997. DOI: 10.1016/j.jfca.2022.104997
14. Stefi, A.L., Papaioannou, V., Nikou, T., Halabalaki, M., Vassilacopoulou, D., Christodoulakis, N.S. Heat and Cold-Stressed Individuals of *Pistacia lentiscus* (Mastic Tree) Do Modify Their Secreting Profile (2022) **Plants**, 11 (23), art. no. 3290. DOI: 10.3390/plants11233290
15. Yanni, A.E., Kokkinos, A., Binou, P., Papaioannou, V., Halabalaki, M., Konstantopoulos, P., Simati, S., Karathanos, V.T. Postprandial Glucose and Gastrointestinal Hormone Responses of Healthy Subjects to Wheat Biscuits Enriched with L-Arginine or Branched-Chain Amino Acids of Plant Origin (2022) **Nutrients**, 14 (20), art. no. 4381. DOI: 10.3390/nu14204381
16. Gogou, G., Koutsoni, O.S., Stathopoulos, P., Skaltsounis, L.A., Halabalaki, M., Dotsika, E. Direct *In Vitro* Comparison of the Anti-Leishmanial Activity of Different Olive Oil Total Polyphenolic Fractions and Assessment of Their Combined Effects with Miltefosine (2022) **Molecules**, 27 (19), art. no. 6176. DOI: 10.3390/molecules27196176
17. Lemus Ringele, G.B., Beteinakis, S., Papachristodoulou, A., Axiotis, E., Mikros, E., Halabalaki, M.\* NMR Metabolite Profiling in the Quality and Authentication Assessment of Greek Honey—Exploitation of STOCSY for Markers Identification (2022) **Foods**, 11 (18), art. no. 2853. DOI: 10.3390/foods11182853
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### **Book chapters**

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### **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**

1. **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.** “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)
- - **71<sup>st</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 2-6 July 2023, Dublin, Ireland**
    1. Unfolding the structural complexity of natural products using alternative NMR methods. S Beteinakis, VK Pachi, P Lameiras, E Mikros, M Halabalaki
    2. 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)
    3. HPTLC fingerprinting for botanical origin assessment of Greek honeys. GB Lemus Ringele, P Gkiouvetidis, M Pavlea, S Beteinakis, A Papachristodoulou, M Halabalaki
    4. New pharmacological evidence for Chios mastic gum. EV Mikropoulou, Z Evangelakou, D Gianniou, Ch Amerikanou, AC Kaliora, G Desoussis, IP Trougkos, M Halabalaki
    5. *In vivo* metabolism and analysis optimization of oleocanthal. T Nikou, KV Karampetsou, OS Koutsoni, E Dotsika, P Stathopoulos, LA Skaltsounis, M Halabalaki
    6. 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
    7. Phytochemical investigation, isolation and structure elucidation of bioactive compounds of the roots of *Alkanna methanaea* Hausskn. G Papazoglou, C Anagnostou, ME Sakavitsi, E Kalpoutzakis, M Halabalaki
    8. 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 Kalpoutzakis, M Halabalaki
    9. *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
    10. Investigation of different *Tripleurospermum* taxa from Greece: comparison by GC-MS and LC-HRMS. C Anagnostou, EV Mikropoulou, S Mitaku, M Halabalaki, E Kalpoutzakis
    11. Extraction, isolation and identification of glucosinolates and their myrosinase derived metabolites from *Eruca sativa*. V Papaioanou, M Vanioti, D Michailidis, A Argyropoulou, S Mitaku, M Halabalaki
  - **Austrian Summit on Natural Products Science and Technology in Phytopharmacy, Phytocosmetics and Phytonutrition 26-28 March 2023, Seefeld, Austria**
    12. 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)
    13. 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**
    3. 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*)
    4. 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
    5. Design and synthesis of novel esters of eleanonic 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 (ISCNP31 & ICOB11), 25-29 October 2020, Napoli, Italy**
  6. Recovery and identification of human urine metabolites. E Kalampokis, T Nikou, M Halabalaki
  7. 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**
  8. Anti-ageing and anti-inflammatory properties of major olive oil secoiridoids. T Nikou, O Gualillo, IP. Trougakos, M Halabalaki, LA Skaltsounis
  9. 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
  10. 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**
  11. 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
  12. A metabolomic platform to assess the effect of phytonutrients in *Drosophila melanogaster*. EV Mikropoulou, Z Evangelakou, IP Trougakos, M Halabalaki
  13. 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**
  14. 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
  15. 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
  16. A tale of two chamomiles: profiling the differences between *Tripleurospermum tempskyanum* (Frey & Sint.) Hayek and *Matricaria recutita* L. C Anagnostou, EV Mikropoulou, M Halabalaki, S Mitakou, E Kalpoutzakis
  17. 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
  18. 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
  19. 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
  20. 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
  21. 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 Papastilianou, I Kakabouki, D Chandrinou, AL Small-Howard, D Bilalis, M Halabalaki, LA Skaltsounis
  22. 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
  23. Integration of different extraction protocols for the metabolite profiling of urine after hydroxytyrosol supplementation in humans. E Kalampokis, T Nikou, LA Skaltsounis, M Halabalaki
  24. 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
  25. Microflora-dependent conversion of secoiridoids and their effect on phenylalcohols bioavailability. ME Sakavitsi, A Breynaert, T Nikou, L Pieters, N Hermans, M Halabalaki

26. 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**
  27. 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)
  28. 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**
  29. 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**
  30. 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
  31. 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).
  32. 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
  33. Chemotaxonomic investigation of the natural hybrid *Origanum x liriium* and its parents focusing on the comparison of volatile and polar constituents. E Kalpoutzakis, E Petrakis, M Halabalaki, S Mitakou
  34. Phytochemical analysis of *Gnetum montanum* stems' ethanolic extract and *in vitro* evaluation of tyrosinase and elastase inhibition activity. CTN Nguyen, A Angelis, L Antoniadis, H Tran, M Halabalaki, TN Huynh, H Stuppner, LA Skaltsounis, A Angelis, M Halabalaki
  35. 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
  36. 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
  37. 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
  38. 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
  39. Isolation and identification of urine metabolites after hydroxytyrosol supplementation in humans. E Kalampokis, T Nikou, D Michailidis, C Fytili, N Tentolouris, M Halabalaki
  40. 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 Antoniadis, A Wawruszak, A Angelis, A Czerwonka, A Jarzab, M Halabalaki, W Kukula-Koch, LA Skaltsounis
  41. Metabolisation Fate of Secoiridoids Oleacein and Oleocanthal After In Vitro Continuous Dialysis System with Human Gut Microbiota. ME Sakavitsj, A Breynaert, L Pieters, N. Hermans, S Mitakou, LA Skaltsounis, M Halabalaki M (Oral presentation).
  42. Phytochemical investigation, characterization and antimicrobial evaluation of the extracts and isolated compounds of *Pistachia lentiscus* var Chia leaves. C. Anagnostou, A. Papachristodoulou, S. Beteinakis, M. Dionysopoulou, S. Dimou, G. Diallinas, M. Halabalaki
  43. 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
  44. 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
  45. 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**
  - 46. 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)**
  - 47. NMR metabolic profiling in the quality control of food commodities – Exploitation of the STOCSY statistical tool for markers' identification. S Beteinakis, GB Lemus Ringele, A Papachristodoulou, E Mikros, M Halabalaki
  - 48. 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
  - 49. From foods and foodstuffs to human biological fluids. The example of hydroxytyrosol one of the most potent natural scavenger. T Nikou, C Fytilli, 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**
  - 50. Holistic investigation of Hydroxytyrosol's metabolism though in vitro and human studies. T. Nikou, ME Sakavitsi, N Hermans, L Pieters, C Fytilli, N Tentolouris, M Halabalaki
  - 51. 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.**
  - 52. 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.**
  - 53. 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.**
  - 54. 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)
  - 55. 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**
  - 56. 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)
  - 57. Integrated UPLC-HRMS based metabolomics investigating hydroxytyrosol effect in human obesity. T Nikou, C Fytilli, N Tentolouris, N Katsilambros, S Mitakou, M Halabalaki
  - 58. Effect of hydroxytyrosol administration on weight and fat loss: preliminary data from a randomized double-blind prospective study. C Fytilli, A. Kokkinos, C Dimosthenopoulos, D Simos, IK Tseti, M. Halabalaki, N Katsilambros, N Tentolouris, LA Skaltsounis
  - 59. 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 Trougakos, LA Skaltsounis, M Halabalaki
  - 60. 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
  - 61. 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
  - 62. 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

63. 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
  64. 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 A, D Michailidis, L Antoniadis, V Tsantila, M Halabalaki, LA Skaltsounis
  65. 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 Trougakos, A Viljoen, J-L Wolfender, C Wolfrum, N Xynos, H Stuppner
  66. 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**
67. A skin secretion metabolomic profiling of endemic Aegean species of *Lyciasalamandra* amphibian. K Eleftherakos, E Petrakis, S Katsikis, AL Skaltsounis, M Halabalaki
  68. 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**
69. 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 (ISCNP30 & ICOB10), 25 – 29 November 2018, Athens, Greece**
70. 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)
  71. 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)
  72. 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)
  73. 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
  74. 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 Tsaropoulos
  75. A comparative and integrated study for the extraction and determination of phenolic compounds in olive fruits and stones. G Sarikaki, K Touvelioli, M Halabalaki, S Mitakou, LA Skaltsounis
  76. 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
  77. 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
  78. 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
  79. Isotopic traceability (<sup>13</sup>C and <sup>18</sup>O) of Greek olive oils. P Karalis, M Halabalaki LA Skaltsounis, G Diamantopoulos E Dotsika
  80. 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
  81. 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
  82. 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
  83. 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
  84. 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

85. *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
  86. 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
  87. Purification of Chios Mastic active constituents and development of analytical methods for quality control purposes. VK Pachi, E Arguopoulou, E Thoma, S Mitakou, M Halabalaki, LA Skaltsounis
  88. 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
  89. Olive oil's biophenols quantitative study using NMR, LC-HRMS & MS/MS methods. S Beteinakis, S Katsikis, E Mikros, LA Skaltsounis, M Halabalaki
  90. 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
  91. 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**
    92. Oleocanthalic, oleaceinic and EDA acids: three new standard ingredients of extra virgin olive oil (EVOO). A Angelis, L Andoniadi, P Stathopoulos, M Halabalaki, AL Skaltsounis
    93. 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**
    94. 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**
    95. 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)
    96. Systematic and holistic investigation of Pistacia lentiscus resin, a unique product with exceptional pharmacological properties. Maria Halabalaki
  - **CCC2018, Braunschweig - Germany, 1-3 August 2018**
    97. 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**
    98. 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**
    99. 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
    100. 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**
    101. 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

102. 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
  103. 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
  104. 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
  105. 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 Trougakos, M Halabalaki, LA Skaltsounis
  106. Metabolic profiling of edible olives derived from different olive varieties. G Sarikaki, A Kourkouli, K Touvleliou, M Halabalaki, S Mitakou, LA Skaltsounis
  107. HPLC and HPTLC metabolite fingerprinting for the quality control of *Sideritis* species. E Thoma, E Axiotis, G Ntasi, EA Petrakis, M Halabalaki, LA Skaltsounis
  108. 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**
    109. 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
    110. Monitoring of olive biophenols in 23 Olea europaea cultivars grown under the same agronomical conditions. G Sarikaki, K Touvleliou, A Kourkouli, LA Skaltsounis, M Halabalaki, S Mitakou
    111. 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 Trougakos, M Halabalaki, LA Skaltsounis
    112. 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
    113. 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**
    114. Heterocovariance based metabolomics as a powerful tool accelerating bioactive natural product discovery (Oral presentation). E Mikros, N Aligiannis, M Halabalaki, L Skaltsounis
  - **9th Joint Natural Products Conference (AFERP, ASP, GA, PSE & SIF), 24 - 27 July 2016, Copenhagen, Denmark.**
    115. 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.
    116. 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.
    117. Characterization of a polymethoxyflavone-rich fraction of *Ageratum conyzoides* and its anti-inflammatory effects. LG Faqueti, V Brièudes, M Halabalaki, LA Skaltsounis, LF Nascimento, WM Barros, AR Santos, MW Biavatti.
    118. Implementation of Supercritical Fluid Chromatography for the isolation of new polar  $\gamma$ -oryzanol from Rice Bran Oil. M Spiliopoulou, V Brièudes, A Angelis, M Halabalaki, LA Skaltsounis.
    119. 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.
    120. 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**
    121. Oleacein: alternative sources, natural and semi-synthetic analogs as COX inhibitors. N Christoforidou, K Vougianniopoulou, M Halabalaki, N Gaboriaud-Kolar, LA Skaltsounis.



- **10th International Symposium on Chromatography of Natural Products, 6-9 June 2016, Lublin, Poland,**
  - 122.**Development and application of analytical approaches for Extra Virgin Olive Oil (EVOO) Biophenols determination. Mapping of Greek EVOOs. P Stathopoulos, G Sarikaki, M Lalioti, S Beteinakis, A Triantopoulou, E Gikas, M Halabalaki, T Jakschitz, D Corradini, G Bonn, LA Skaltsounis.
  - 123.**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 (Oral presentation).
- **1st International Multidisciplinary Conference on Nutraceuticals and Functional Foods, 7-9 July 2016 Kalamata, Greece**
  - 124.**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
  - 125.** 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.
- **VII Simposio Ibero-americano de Plantas Medicinais e III Simposio Ibero-Americano de Investigacao em Cancer, 24-27 October 2016, Itajai, Brazil.**
  - 126.**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.
  - 127.** 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,**
  - 128.**Aspects of metabolic profiling and quality control of olive oil using Flow Injection Analysis (FIA) FT-ICR MS. T Nikou, M Witt, M Lalioti, 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.**
  - 129.**Polar  $\gamma$ -oryzanol, a new class of  $\gamma$ -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.
  - 130.** 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.**
  - 131.**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**
  - 132.**NMR and UPLC-HRMS plant metabolomics approaches: the case study of *Acronychia* species (poster presentation). 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**
  - 133.**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.
  - 134.**Comparative analytical study of biophenols in edible olives. M Lalioti, D Abatis, P Stathopoulos, N Aligiannis, M Halabalaki, LA Skaltsounis.
  - 135.** 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**
  - 136.** Biophenols-based mapping of Greek Extra Virgin Olive Oil (EVOO). T Nikou, M Witt, M Lalioti, P Stathopoulos, A Barsch, LA Skaltsounis, M Halabalaki

137. 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.
  138. Rapid isolation and characterisation of crocins, picrocrocins and crocetin from saffron extract using hydrostatic countercurrent chromatography and ESI-MS.
  139. E Karkoula, A Angelis A, NS Koulakiotis., D Anagnostopoulos, M Halabalaki M, E Gikas, LA Skaltsounis, A Tzarbopoulos.
- **PHPC 2015 (17th Panhellenic pharmaceutical conference), Athens, Greece, October 11th 2015.**
    140. Qualitative and quantitative monitoring of bioactive  $\gamma$ -oryzanol and polar  $\gamma$ -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.**
    141. 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.**
    142. 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).
    143. 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.
    144. 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.
    145. 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 Scorilas, LA Skaltsounis.
    146. 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.**
    147. 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.**
    148. 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, L. Skaltsounis.
  - **5th World Congress On Leishmaniasis - Worldleish 5, May 2013, Porto de Galinhas, Brazil.**
    149. 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.**
    150. Metabolomic study of hydroxytyrosols administration in metabolic syndrome rat model. N Lemonakis, H Poudyal, E Gikas, M Halabalaki, L Brown, LA Skaltsounis.
    151. 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.**
    152. 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.**

153. 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.
154. 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 Boccard, S Kostidis, K Gindro, JL Wolfender, D Benaki, E Mikros, LA Skaltsounis.
- **Second congress on steroids research, 10-12 Mar 2013, Chicago, USA.**

155. Oleocanthal enhances estradiol induced gene expression through estrogen receptor- $\alpha$ . S Djioque, T Ehrhardt, AM Keiler, M Halabalaki, AB Smith III, LA Skaltsounis, G Vollmer.
  - **BCLAS - ESLAV - ECLAM Symposium, 15-16 Oct 2012, Liege, Belgium.**

156. 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.**

157. Hydroxytyrosol: A compound from nature's arsenal against metabolic syndrome. N Lemonakis, E Gikas, H Poudyal, M Halabalaki, L Brown, LA Skaltsounis.

158. 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.

159. 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 Breuninger, F Guéritte.

160. UPLC-HRMS based profiling of *Micromelum falcatum* extracts and isolation of coumarin derivatives. E Danika, E Kouloura, K Sothea, M Halabalaki, LA Skaltsounis.

161. 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.

162. Oleacein and oleocanthal: Two olive oil bioactives in multiple chemical forms. T Michel, A Termentzi, E Gikas, M Halabalaki, AB Smith III, LA Skaltsounis.

163. 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.

164. 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.

165. Structure-oriented UHPLC-LTQ-orbitrap-based approach for the identification of isoflavonoids from *Amphimas pterocarpoides*. J Tchoumtchoua, M Halabalaki, D Njamen, LA Skaltsounis.

166. 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.**

167. 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.

168. 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.

169. 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.**

170. Estrogenic and cytotoxic properties of *Erythrina excelsa* Baker (Fabaceae). S Tchoukouegno Ngueu, J Tchoumtchoua, D Njamen, M Halabalaki, U Laudenbach-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.**

171. 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.**
    - 172. 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 Tzarbopoulos.
    - 173. NMR and HRMS/MS studies of acetophenone derivatives isolated from *Acronychia pedunculata* (L.) MIQ.-Rutaceae. E Kouloura, S Kostidis, M Halabalaki, LA Skaltsounis.
    - 174. 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.
    - 175. Isolation and structure elucidation of coumarins from *Micromelum falcatum* – Rutaceae. E Danika, E Kouloura, K Shothea, M Halabalaki, LA Skaltsounis.
    - 176. NMR- and UHPLC-MS-based metabolomics for the discrimination of different resistant *Vitis vinifera* cultivar woods. A Stefanou, S Bertrand, J Bocard, N Lemonakis, G Marti, S Rudaz, S Kostidis, E Gikas, AL Skaltsounis, K Gindro, M Halabalaki, JL Wolfender.
    - 177. 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.**
    - 178. 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.**
    - 179. Isolation of isoflavonoids from *Amphimas pterocarpoides* and structure elucidation using LC-HRMSn and NMR techniques. J Tchoumtchoua, M Halabalaki, D Njamen, J Mbanya, LA Skaltsounis.
    - 180. Estrogenic properties of prenylated isoflavones in U2OS human osteosarcoma cells: structure-activity relationships. S Djiogue, D Njamen, M Halabalaki, G Kretschmar, A Beyer, J Mbanya, LA Skaltsounis, G. Vollmer.
    - 181. 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.**
    - 182. Studies of acetophenones from *Acronychia laurifolia* with LC-HRMS techniques. E Kouloura, M Halabalaki, LA Skaltsounis
    - 183. Simultaneous Determination and Characterization of Isoflavonoids from *Amphimas pterocarpoides* Harms using UHPLC-ESI(+&-) and APCI(+&-)-LTQ-Orbitrap. J Tchoumtchoua, M Halabalaki, D Njamen, JC Mbanya, LA Skaltsounis.
    - 184. 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”.**
    - 185. 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.**
    - 186. Studies of acetophenones from *Acronychia laurifolia* with HPLC, FCPC and LC-MS techniques. E Kouloura, M Halabalaki, M Lallemand, F Tillequin, LA Skaltsounis.
    - 187. 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.**

188. 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).
189. 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.
190. Phytochemical investigation of plants from Leguminosae family originated from Cameroon. S Djiogue, M Halabalaki, D Njamen, Z Taneé Fomum, LA Skaltsounis.
191. *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.
192. Biosynthetic origin of medicarpin in elicited fenugreek (*Trigonella foenum-graecum* L.) seedlings. D Tsiri, M Halabalaki, CG Spyropoulos, K Haralampidis, I Chinou.
193. Alkaloids and phenolic compounds from *Acronychia laurifolia* – Rutaceae. E Kouloura, M Halabalaki, M Lallemand, F Tillequin, LA Skaltsounis.
194. 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.**

195. Peroxisome Proliferator-Activated Receptor- $\gamma$  (PPAR $\gamma$ ) 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.**

196. 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.**

197. *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.**

198. Anticancer activity of 2-arylbenzofuran phytoestrogens. ES Katsanou, M Halabalaki, N Aligiannis, S Mitakou, AL Skaltsounis, H Pratsinis, MN Alexis.

199. Phytoestrogens from Greek Flora – Development 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.**

200. 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.**

201. Benzofurans: New class of phytoestrogens. M Halabalaki, N Aligiannis, I Dontas, S Motakou, H Pratsinis, M Alexis, LA Skaltsounis.

202. 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.**

203. 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.**

204. 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.**

205. 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.**

- 206.**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.**

**207.**Effects of phytoestrogens on human lymphocyte blastogenesis: a preliminary *in vitro* study. F Michelis, F Tiligada, Z Papoutsi, M Halabalaki, N Aligiannis, S Mitakou, A Delitheos, P Moutsatsou.
  - **Phytochemical Society of Europe (PSE) Symposium, 12-14 Sep 2001, Lausanne, Switzerland.**

**208.**Isoflavones and benzofurans from *Onobrychis ebenoides* and evaluation of their estrogenic activity. M Halabalaki, N Aligiannis, 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.**

**209.**Effect of the extract of an endemic plant of Greece to the weight of the uterus, *in vivo*. Z Papoutsi, 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.**

**210.**Three new arylbenzofuranes from *Onobrychis ebenoides* and evaluation of their binding affinity for the estrogen receptor. M Halabalaki, N Aligiannis, Z Papoutsi, S Mitakou, P Moutsatsou, C Sekeris, LA Skaltsounis.