

ANASTASIA KARIOTI
DEPARTMENT OF PHARMACY
ARISTOTLE UNIVERSITY OF THESSALONIKI

CURRICULUM VITAE

2021

PERSONAL DATA

Name Surname Anastasia Karioti
Current address: Aristotle University of Thessaloniki, University Campus,
54124, Greece
Tel.: +30 2310-990356
Email: akarioti@pharm.auth.gr

CURRENT POSITION

Pharmacist – Associate Professor in Pharmacognosy-Pharmacology of the Department of Pharmacy, Aristotle University of Thessaloniki

EDUCATION - TITLES

- 2007-2014** **Assegno di Ricerca** - Research assignment - Post Doctorate, Florence, Department of Pharmaceutical Sciences, University of Florence (January 2007-August 2014)
- 2012** “**Abilitazione Scientifica Nazionale** (Bando 2012, DD n. 222/2012), sotto-settore 05/A1-Botanica, Professore Associato”
“**Abilitazione Scientifica Nazionale** (Bando 2012, DD n. 222/2012) 05/G1 Farmacologia, Farmacologia Clinica e Farmacognosia, sotto-settore Bio/15, Professore Associato”
After national contest (Italy) the candidate was given the **habilitation** in two different scientific sectors (05/A1-Botany and Bio/15 Pharmacology, Clinical Pharmacology and Pharmacognosy) for the level of Associate Professor.
- 2005-2006** **Post-doc fellowship** under the scientific project «Pythagoras II». Title: Isolation and structure elucidation of bioactive metabolites of the genus *Quercus* (Fagaceae) after insect attack. Use of contemporary methods of molecular modeling in the development of new bioactive molecules of natural origin”.
- 2004** **Ph. D in Pharmacy** (Excellent). Title: “Pharmacognostic study of plants of Lamiaceae: *Marrubium velutinum* Sibth. & Sm. & *Marrubium cylleneum* Boiss. & Heldr.” Pharmacy, Athens.
- 1998-2001** **MSc. In Pharmacy** - Pharmacognosy of Bioactive Natural Products Athens. “Excellent (9.81/10)”. Title: Isolation and identification of secondary metabolites from *Centaurea deusta* Ten. Search for antimicrobial activity: ”
- 1998** Degree in Pharmacy, University of Athens “Very Good (7.33)”
- 1998** License to practice as a pharmacist “Very Good”

TRAINING ABROAD

- 2006** Florence, Department of Pharmaceutical Sciences, University of Florence from May 15th until August 20th, 2006.
- 2001** Institute of Pharmaceutical Sciences, ETH Zurich, Switzerland, from

1.7.2001 to 20.9.2001.
2000 Institute of Pharmaceutical Sciences, ETH Zurich, Switzerland, from 10.4.2000 to 10.9.2000.
Post-graduate seminar in “Courses of advanced Spectroscopy”.

PROFESSIONAL EXPERIENCE

2021 Associate Professor, Division of Pharmacognosy-Pharmacology of the Department of Pharmacy, Aristotle University of Thessaloniki
2016-2021 Assistant Professor, Division of Pharmacognosy-Pharmacology of the Department of Pharmacy, Aristotle University of Thessaloniki
2014-2016 Lecturer, Division of Pharmacognosy-Pharmacology of the Department of Pharmacy, Aristotle University of Thessaloniki
2007-2014: Assegno di Ricerca, Department of Pharmaceutical Sciences, University of Florence, Italy.
“Cultore della Materia» (Teaching and Research Assistant), University of Florence, Italy.
Participation in Diploma Thesis Commissions in Lectures and exams
2004-2005: Lecturer position 407/80 in the Department of Pharmacy, Division of Pharmacognosy and Chemistry of Natural Compounds with subject Pharmaceutical Botany.
24/01/2003 Appointed pharmacist in «G. Gennimatas» Athens General Hospital
–
16/9/2003

LANGUAGES

Greek (native)
English (Proficiency-Cambridge)
French (Sorbonne-1er degré)
Italian (very good)

TEACHING EXPERIENCE

I. Department of Pharmacy, Division of Pharmacognosy – Pharmacology

I.1. Undergraduate courses:

2015-today Pharmacognosy II
2015-today Pharmacognosy III
2016-today Pharmacognosy I
2015-today Chemistry of Natural Products

I.2. Post-graduate courses

Old program of post-graduate studies Period 2015-2018

Specialization: Pharmacognosy-Herbal Medicinal Products

- Alkaloids and Derivatives (Methods of Isolation and separation)-Methods of Spectroscopic Identification of Alkaloids. Period 2015-2018.
- Terpenoids and Derivatives (Methods of Isolation and separation)-Methods of Spectroscopic Identification of Terpenoids. Period 2016-2018.
- Phenolics and Derivatives (Methods of Isolation and separation)-Methods of Spectroscopic Identification of Phenolic. Period 2016-2018.

New program of post-graduate studies Period 2018-2021

1.2.1. Drug Development, Diagnostics and Therapeutics

Specialization B: «Development and Utilization of Natural Products»

- Analytical Techniques– Sepctroscopy
- Quality control of herbal products (pharmaceutical, cosmetics, dietary supplements)
- Production and formulation of natural products
- Applications of natural products in cosmetics/phytotherapeutics

1.2.2. Industrial Pharmacy

Participation in the following classes

- Introduction to the Industrial Pharmaceutical Analysis
- Applied Pharmaceutical Analysis -Quality Control

II. Department of Pharmaceutical Sciences, University of Florence - 2007-2014

Teaching Assistance in Italian (Pharmacy and Herbalist students) with subject chromatographic techniques applied in the study of natural products.

III. University of Athens - 1998-2005:

1998-1999: Analysis of Natural Products Chemistry – Lab assistance

1999-2002 & 2003-2004: Microscopic/macroscopic analysis of pharmaceutical plants - Lab assistance.

01/01/2005-31/08/2005: Lecturer position 407/80 in the Department of Pharmacy, Division of Pharmacognosy and Chemistry of Natural Compounds.

-Pharmaceutical Botany.

-Microscopic/macroscopic analysis of pharmaceutical plants.

IV. Teaching in the framework of Erasmus Teaching Staff Mobility

Florence Department of Chemistry period 13-12-2018 - 19-12-2018.

Title: UV, MS NMR spectra of phenolic constituents. NMR spectroscopy of Natural Products. HPLC-MS and NMR: two complementary tools in quality control, fingerprinting of plant extracts and targeted isolation of new natural products.

Participation in Seminars

Post Graduate Program of the Medical School of Democritus University of Thrace "Primary Health Care: Social Medicine and Pharmaceutical Care".

Title: Phytotherapy and Dietary Supplements: Interactions with drugs, Toxicity and dangers.

SUPERVISION OF PhDs, MASTER, DIPLOMA THESIS

Diploma Thesis

Promoter of **39** diploma thesis, from which **29** experimental and **10** bibliographic

Experimental Thesis Completed: **22**

Experimental thesis underway: **7**

Completed Bibliographic thesis: **3**

Bibliographic thesis underway: **7**

II. University of Florence Period 2007-2014. Participation as promoter in 10 Experimental Thesis and 8 Bibliographic.

Supervision – training in the framework of Erasmus+ : 1

Efi Alexandrou, University of Cyprus

Supervision - training in the framework of “Torno subito” (Regione Lazio): 1

January-June 2021. Rola Isaa University of Sapienza Roma. Research training in the lab.

Supervision of master Thesis: 8

Supervision of PhD thesis: 1

Member of Commissions of examination of undergraduate diploma thesis (*apart from those where I was supervisor*): 2

Member of Commissions of examination of master thesis (*besides those where I was supervisor*): 21

Member of the three-member advisory committee for the preparation of doctoral dissertation: 4

Member of the seven-member committee for the examination of doctoral dissertations: 7

Member of the seven-member committee for the examination of doctoral dissertations of universities from abroad: 3

External evaluator of Doctoral Dissertations of universities from abroad: 3

ADMINISTRATIVE WORK

- Participation in the Department Council of The School of Pharmacy. 2015-onwards.
- Participation in the Council of the Division Pharmacognosy -Pharmacology 2015-onwards.
- Scientific Responsible of the Project «Higher Education Practical Training of the Aristotle University of Thessaloniki. Period: 2016-2017, 2018-2020.
- Member of the Commission of Student transfers for the years 2014-onward
- Alternate Member of the Procurement Receipt Committee, 2015-onward.
- Accountant for the equipment and materials of the Division of Pharmacognosy-Pharmacology for the period 2015-onward.
- Responsible (alternate member) (ECTS-Coordinator for ERASMUS MUNDUS) from 22-9-2020.
- Academic counselor for the scientific field of Pharmacy in DOATAP (Interdisciplinary body for the recognition of academic qualifications) from 19-5-2020.

ERASMUS AGREEMENTS

Departmental coordinator in two Erasmus agreements.

- Università Degli Studi di Pisa (I PISA01) - 0916 Pharmacy. Erasmus+ Programme. Mobility for Learners and staff – Higher Education Student and Staff Mobility. 2020-2021.
- Università Degli Studi di Salerno (I SALERNO01) - 0916 Pharmacy. Erasmus+ Programme. Mobility for Learners and staff – Higher Education Student and Staff Mobility. 2020-2021.

FELLOWSHIPS/AWARDS

2011: SIF (Società Italiana di Fitochimica) award

2007: SIF (Società Italiana di Fitochimica) award

- 2000-2003:** State Scholarship Foundation (Greece)
- 1999-2000:** State Scholarship Foundation (Greece) award of excellence in post-graduate studies
- 2010:** Diploma Thesis Award of FEI (Federazione Erboristi Italiani) for the thesis of the student Letizia Bolognesi “Phytochemical investigations of *Stachys recta*: a plant of ancient use in traditional medicine”.
- 2011** Diploma Thesis Award of FEI (Federazione Erboristi Italiani) for the thesis of the student Claudia Furlan, “*Viola odorata*: Phytochemical investigation and quality control”
- 2016** Selection of the Review article «An update on natural products with carbonic anhydrase inhibitory activity» from Eureka alert website.
https://www.eurekaalert.org/pub_releases/2016-06/bsp-ao060716.php
- 2018** Excellence in Teaching School of Health Sciences for the academic year 2015-2016
- 2019** Adoption of the analytical methodology of publication no 67 by the American Herbal Pharmacopoeia.
- 2020** Inclusion in the list «Data for updated science-wide author databases of standardized citation indicators» 2020 of Stanford University based on the published records for the year 2019.
<https://data.mendeley.com/datasets/btchxktzyw/2>
 Table S7, place 154911.

PATENTS

WO/2014/184615 -Extracts of *Astragalus membranaceus*, their preparation and use as antihyperalgesic and antiallodynic drugs.

MEMBER OF SCIENTIFIC ASSOCIATIONS

GA -Society for Medicinal Plant and Natural Product Research (Gesellschaft für Arzneipflanzenforschung)

SIF - Società Italiana di Fitochimica

ISE – International Society for Ethnopharmacology, Board member 2019-

REVIEWER OF INTERNATIONAL SCIENTIFIC JOURNALS

Analytical and Bioanalytical Chemistry, Analytical Letters, Bioorganic and Medicinal Chemistry Letters, Food Chemistry, Journal of Ethnopharmacology, Journal of Pharmaceutical and Biomedical Analysis, Journal of Separation Science, Pharmaceutical Biology, Phytochemical Analysis, Phytochemistry, Phytochemistry Letters, Phytochemistry Reviews, Planta Medica, Journal of Enzyme Inhibition and Medicinal Chemistry

EDITORIAL BOARD

Current Enzyme Inhibition

ASSOCIATE EDITOR

Frontiers in Pharmacology, Section Ethnopharmacology. December 2020-

EVALUATOR IN SCIENTIFIC RESEARCH PROJECTS

Operational Program "Competitiveness, Entrepreneurship and Innovation" - RESEARCH - CREATE - INNOVATE. Intervention II. Business Partnerships with Research Organizations

Operational Program "Competitiveness, Entrepreneurship and Innovation" - RESEARCH - CREATE - INNOVATE. Intervention I. Research and Development by Small and Medium Enterprises.

ORGANIZATION OF CONGRESSES

- GA-Young Researchers Workshop Organisation Committee in the framework of 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, August 2008.
- XIII Congresso della Società Italiana di Fitochimica, Gargnano, 19-21 Settembre, 2013.
- Young Researchers Workshop of the Society for Medicinal Plant and Natural Product Research (GA). Organizing Committee for the period 2017-2019.
- Member of Scientific and Organizing Committee of the 3rd Panhellenic Congress of Pharmaceutical Departments of Greece, 18-19 February 2017, Central Hall, Aristotle University of Thessaloniki.
- Member of Scientific Committee of the 5th International Phytocosmetics & Phytotherapy Congress (IPPC 2017) University of Patras, 15-17 May, 2017.
- Member of Scientific Committee 28th Congress of the Hellenic Society of the Sciences of Fruits and Vegetables. Thessaloniki, 16-20 October 2017.
- Member of the Organizing Committee of the 30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCNP30 & ICOB10), November 25th – 29th 2018 in Athens, Greece.
- ISE 2020. 20th International Congress of the International Society for Ethnopharmacology, Thessaloniki, 18-21 April 2021. Co-chair.

RESEARCH EXPERIENCE

Dr. A. Karioti worked initially in the Division of Pharmacognosy, Department of Pharmaceutical Sciences (University of Athens), for a period from 1999 until 2006. Main research activities during this period were focussed on the isolation and structural identification of numerous secondary metabolites from a wide range of

Greek medicinal and/or aromatic plants. From 2007 and onwards she has been working in the Department of Pharmaceutical Sciences, University of Florence with main research field quality control of herbal medicinal plants and herbal medicinal products. Twenty years of research activity has afforded more than 80 publications and 80 participations in International and National Congresses (lectures and posters) and also collaborations with other Universities from Greece, but also from Switzerland, Germany and other international institutes.

In general, the main research lines are:

1. Isolation and structural identification of a wide range of natural constituents, by use of classical and modern chromatographic and spectroscopic techniques. These activities concern the development of suitable extraction methodology and isolation protocol for each group of natural constituents by use of column chromatography, size exclusion chromatography, amberlite, TLC, HPTLC, HPLC (coupled with UV-Vis, Refraction Index, Diode Array Detectors). Purified substances are fully characterized for their structure by use of hyphenated techniques HPLC-DAD-MS, but most importantly by 1D and 2D Nuclear Magnetic Resonance experiments (^1H NMR, ^{13}C NMR, DEPT, COSY, HSQC, HMBC, NOESY, ROESY, TOCSY, HSQC-TOCSY), as well as Ultraviolet (UV-Vis), Infra-red (IR), optical rotation, circular dichroism.

The candidate holds a long experience in a wide range of natural products covering the following phytochemical groups:

-Phenolic derivatives: flavonoids, procyanidins, quinones, phenylethanoid glycosides, naphthodianthrones from *Hypericum perforatum*, depsides, lignans, simple phenolics (publications 4, 16, 17, 31, 36, 37, 41-43).

-Terpenoids: monoterpenic glycosides, iridoids, secoiridoids, sesquiterpene lactones, diterpenes, triterpenes, carotenoids (publications 9, 11, 14, 21, 24, 25, 28, 29, 33, 35, 38, 40, 52, 65).

-Studies on plant volatiles, essential oils by use of GC-MS (publications 6, 7, 15, 18-20).

The above-mentioned studies concern different kind of matrixes:

medicinal plants: Greek endemic but also from other countries, such as Algeria, Nigeria, Brazil, China (publications 7, 18-20, 30, 33, 34, 45, 65-67-70).

edible plants or plants with economic significance, such as *Origanum* sp., *Salvia* sp., *Olea europaea*, *Quercus ilex*, *Juglans regia*, *Hypericum perforatum*, *Lippia alba*, (publications 6, 10, 14, 15, 17, 35, 37, 42, 43, 63, 67)

Fungi (publication 13).

2. Development of analytical methods for the quality control of herbal medicinal plants, herbal medicinal products and their preparations.

Qualitative and quantitative profile of herbal medicinal plants/products is closely linked to their efficacy and safety. Such a profile is the result of several factors such as the initial plant material (botanical species), the part of the plant used (aerial parts, leaves, fruits, radix), geographic origin and the method of the preparation (time, solvent, drug-extract ratio, temperature). All these factors influence the final chemical content to such an extent as to be responsible for the safety and efficacy of the final product. Therefore, the development of analytical methods for the quality control of herbal medicinal plants/products is crucial.

Such analyzes are based on classical chromatographic techniques, but mainly on modern such as HPLC-DAD-MS, HPLC-MS/MS, HPLC-ESI-TOF and also NMR spectroscopy (1D and 2D). Main interest is to develop validated methods with high selectivity, accuracy and repeatability according to all ICH guidelines as those are implemented on the sector of herbal medicinal plants/products/drugs.

Especially from 2011 onward I was assigned (under the direction of Prof. AR Bilia) with the development of analytical protocols for the preparation of European Pharmacopoeia Monographs of TCM herbal drugs (Working Party on Traditional Chinese Medicine by the Ph Eur Commission - EDQM). Among the tasks of this Commission is the quality control of herbal drugs and preparations thereof and development of suitable chromatographic systems for the separation of their constituents. Analytical methods are cross-checked between laboratories. In the framework of this research activity are the analyses of the herbal drugs *Lycium barbarum* and *Andrographis paniculata*.

3. Quality control of Greek cultivated Medicinal and Aromatic plants with the aim of obtaining plants with improved phenotypic and chemical characteristics and the development of detailed protocols according to the standards of the European Pharmacopoeia. Special emphasis is given to dittany, rosemary, sage and chamomile. Two relevant research programs are in progress, as well as collaboration with ELGO-DIMITRA Thessaloniki.

4. Pharmacological evaluation of both extracts and purified constituents which cover a wide range of bioactivities such as antimicrobial assays, cytotoxic/cytostatic, antiviral, antiplasmodial/antiparasitic, bleaching assays (anti-tyrosinase activity), antioxidant/ antiradical, anti-inflammatory (LOX inhibition).

5. Other studies include Chemotaxonomic studies. The research activities of the candidate focus on specific genera of the Asteraceae (*Centaurea*, *Anthemis*), and Lamiaceae (*Stachys*, *Marrubium*) families, two families which characterize the

Mediterranean basin. Other studies related to the field of Botany are studies concerning **chemical ecology, plant physiology / plant pathology**, as well as improvement of the chemical content of aromatic plants after hydroponic cultures.

6. Photo-stability, thermostability studies of pharmacologically important natural products and their preparations. **Inclusion of natural products in complexes** with cyclodextrins or in liposomes with the aim to increase their stability and enhance their bioavailability.

In many cases isolated natural products are characterized by reduced solubility and stability, factors which both influence negatively their bioavailability and efficacy. Inclusion in cyclodextrins or liposomes could resolve these problems as they protect the active principles and serve as system carriers. Publication 51 and posters 44 & 57 of the candidate are comprised in this framework of research activity. Especially in the case of the of inclusion salvianolic B (poster presentations in congress 44 and 50) in cyclodextrin the inclusion complex was further characterized by 1D NMR (Job titration curve) ROESY as well as innovative pseudo-twodimensional NMR (DOSY) experiments.

SCIENTIFIC COLLABORATIONS

- Prof. AR Bilia, Department of Chemistry, University of Florence
- Prof. CT. Supuran, University of Florence
- Assist. Prof. F. Carta, University of Florence
- Prof. Z. Kabouche Université des frères Mentouri-Constantine 1, Constantine, Algeria.
- Prof. T. Efferth, University of Mainz.
- Assist. Prof. M. Mori, University of Siena.
- Prof. H. Skaltsa, Department of Pharmacy, University of Athens
- Assist. Prof. D. Dafou, Department of Biology, Aristotle University of Thessaloniki
- Assist. Prof. T. Psarra, Veterinary School of Thessaloniki, Aristotle University of Thessaloniki.
- Prof. D. Fatouros, School of Pharmacy, Aristotle University of Thessaloniki.
- Prof. D. Hadjipavlou, School of Pharmacy, Aristotle University of Thessaloniki.
- Prof. C. Panagiotidis, School of Pharmacy, Aristotle University of Thessaloniki.
- Prof. T. Sklaviadis, School of Pharmacy, Aristotle University of Thessaloniki
- Assoc. Prof. D. Lazari, School of Pharmacy, Aristotle University of Thessaloniki.
- Assist. Prof. E. Pontiki, School of Pharmacy, Aristotle University of Thessaloniki.
- Assist. Prof. G. Pampalakis, School of Pharmacy, Aristotle University of Thessaloniki
- Em. Prof. A. Kanellis, School of Pharmacy, Aristotle University of Thessaloniki.
- Dr. P. Hatzopoulou, Institute of Plant Breeding and Genetic Resources, Hellenic Agricultural Organization – ELGO DEMETER.

- Dr. E. Grigoriadou, Institute of Plant Breeding and Genetic Resources, Hellenic Agricultural Organization
- Dr. N. Krigas, Institute of Plant Breeding and Genetic Resources, Hellenic Agricultural Organization
- Dr. P. Kalaitzis- MAICH- Mediterranean Agronomic Institute of Chania

PARTICIPATION IN SCIENTIFIC PROJECTS

Principal Investigator

«Reinforcement of new researchers in the level of Lecturer or Assistant Professor»-
 «Development of Analytical methods for the identification and quality control of pharmaceutical plants of the Greek flora (2016-2017, AUTH code. 93267)
 «PRIMULA_PINDOS Study of *Primula* species of Pindos, aiming their introduction to agriculture. PEP Epirus 2014-2020» (2019-2020, AUTH, code. 99255)

Member of the Scientific Team

Exploration of the Biodiversity for the Management and Sustainable Exploitation of Greek Medicinal and Aromatic Plants of High-Yield in Active Molecules (BIOFARM/95734).

As researcher

I. Projects Period 2007-2014 at Department of Pharmaceutical Sciences University of Florence:

2007-2009: Phytotherapeutics and health products of plant origin: screening of new matrixes and technological studies for the improvement of their quality and safe use.

- “Synergism of artemisinin and derivatives with natural constituents for the antimalarial chemotherapy”. SR: F. F. Vincieri
- “Optimization of extraction and isolation of active constituents from *Artemisia annua* L.” SR: F. F. Vincieri.

01.01.2007 - 31.12.2007: “Phytochemical analysis and stability of plant oleolites”

01.11.2007-31.10.2009: “Application of *Artemisia annua* in the treatment of malaria: studies on the mechanism of action of artemisinin and other constituents of the phytocomplex – development of innovative formulations thereof”. SR: AR. Bilia

01.09.2010-31.08.2014: “Evaluation and optimization of the quality of medicinal products from traditional arabic medicine”. SR: AR. Bilia

II. Projects «Capodistrias» University of Athens (1998-2006):

1998-2000: “Chemistry of Natural Products: isolation and identification of sesquiterpene lactones from the tribe Carduae, Fam. Compositae” (SR: H. Skaltsa)

2000-2001: Chemistry – Pharmacology of natural products. Isolation and identification of diterpenes and flavonoids of endemic Greek plants of the Lamiaceae family. (SR: H. Skaltsa)

2001-2003: "Screening of secondary metabolites against *Helicobacter pylori* isolated from micro-fungi and plant extracts from Greek endemic species. Isolation and identification of bioactive constituents". (SR: H. Skaltsa)

2005-2006: "Evaluation of the anti-helicobacter pylori activity of *Origanum dictamnus*. Isolation, identification of bioactive constituents against *Helicobacter pylori* " (SR: H. Skaltsa)

III. Projects GSRT (General Secretariat of Research and Development):

2001-2004: "Isolation and evaluation of the antirepellent and antimicrobial activity of natural products deriving from micro-fungi". (SR: H. Skaltsa)

2004-2006: "Secondary metabolites from Greek endemic plants with antimicrobial and cytotoxic activity".(SR: H. Skaltsa)

«**Pythagoras II**» **2004-2006:** "Isolation and structure elucidation of bioactive metabolites of the genus *Quercus* (Fagaceae) after insect attack. Use of contemporary methods of molecular modeling in the development of new bioactive molecules of natural origin" (SR: H. Skaltsa)

IKYDA- 2007: "Antiinflammatory & cytostatic activity of labdane diterpenes from Greek endemic Lamiaceae" (2007 & 2008).

SCIENTIFIC WORK - PUBLICATIONS

Thesis

1. **Master Thesis.** Title: "Isolation and identification of secondary metabolites from *Centaurea deusta* Ten. Search for antimicrobial activity" Athens, **2001**.

2. **Ph.D.** Title: "Pharmacognostic study of plants of Lamiaceae: *Marrubium velutinum* Sibth. & Sm. & *Marrubium cylleneum* Boiss. & Heldr." Pharmacy, Athens, **2004**.

MONOGRAPH

Hypericum perforatum. In: «Encyclopedia of Medicinal Plant». Συγγραφείς: Anna Rita Bilia, Maria Camilla Bergonzi, Benedetta Isacchi, **Anastasia Karioti**. Studium Press LLC.

REVIEW ARTICLES

1 Hypericins as Potential Leads for New Therapeutics.

A. Karioti* & A.R. Bilia.

Int. J. Mol. Sci. **2010**, *11*, 562-594; doi:10.3390/ijms11020562.

2 Effects of *Salvia miltiorrhiza* on CNS Neuronal Injury and Degeneration: a

- Plausible Complementary Role of Tanshinones and Depsides. L. Bonaccini, **A. Karioti**, M.C.Bergonzi, A.R. Bilia*. *Planta Medica*, (2015), 81, 1003-1016.
- 3 An update on natural products with carbonic anhydrase inhibitory activity. **Karioti, A.***, Carta, F., Supuran, C.T*. *Curr. Pharm. Des.* (2016), 22, 1570-1591.
- 4 Phenols and polyphenols as Carbonic anhydrase inhibitors. Karioti A.*, Carta F., Supuran CT8. *Molecules*, (2016), 21, 21121649.

PUBLICATIONS

- 1 Secondary metabolites from *Centaurea deusta* with antimicrobial activity. **A. Karioti**, H. Skaltsa*, D. Lazari, M. Sokovic, B. Garcia, C. Harvala *Zeitschrift für Naturforschung C*, (2002), 57c, 75-80.
IF 1.238 Citations 34
- 2 Bioactive Sesquiterpene lactones from *Centaurea* species and their Cytotoxic/Cytostatic activity against human cell lines in vitro. E. Koukoulitsa, H. Skaltsa*, **A. Karioti**, K. Demetzos, K. Dimas. *Planta Medica*, (2002), 68, 649-652.
IF 2.687 Citations 54
- 3 Sesquiterpene Lactones from *Anthemis altissima* and their anti-Helicobacter pylori Activity. M. Konstantinopoulou, **A. Karioti**, S. Skaltsas, and H. Skaltsa* *Journal of Natural Products*, (2003), 66, 699-702.
IF 3.779 Citations 57
- 4 Acylated flavonoid and phenylethanoid glycosides from *Marrubium velutinum* **A. Karioti**, H. Skaltsa, J. Heilmann, O. Sticher. *Phytochemistry*, (2003), 64, 655-660.
IF 3.044 Citations 45
- 5 Secondary metabolites from *Stachys ionica*. A. Meremeti, **A. Karioti**, H. Skaltsa*, J. Heilmann, O. Sticher. *Biochemical Systematics & Ecology*, (2004), 32, 139-151.
IF 1.085 Citations 31
- 6 Effect of Nitrogen Concentration of the Nutrient Solution on the Volatile Constituents of Leaves of *Salvia fruticosa* Mill. in solution culture. **A. Karioti**, H. Skaltsa, C. Demetzos*, D. Perdetzoglou, C.D. Economakis, A.B. Salem. *Journal of Agricultural and Food Chemistry*, (2003), 51, 6505-6508.
IF 4.192 Citations 20
- 7 Composition and antioxidant activity of the essential oils of *Xylopiya aethiopica* (Dun) A. Rich. (Annonaceae) leaves, stem bark, root bark and fresh and dried fruits, growing in Ghana. **A. Karioti**, D. Hadjipavlou-Litina, M. L. K. Mensah, T. C. Fleischer, H. Skaltsa*. *Journal of Agricultural and Food Chemistry*, (2004), 52, 8094-8098.
IF 4.192 Citations 142
- 8 Secondary Metabolites from *Marrubium velutinum*, Growing Wild in Greece. **A. Karioti**, J. Heilmann and H. Skaltsa*. *Zeitschrift für Naturforschung B*, (2005), 60b, 328-332.
IF 0.839 Citations 10

- 9 Labdane diterpenes from *Marrubium velutinum* and *Marrubium cylleneum*.
A. Karioti, J. Heilmann, H. Skaltsa*.
 Phytochemistry, (2005), 66, 1060-1066.
IF 3.044 Citations 35
- 10 Effect of Solution Conductivity on the Volatile Constituents of *Origanum dictamnus* L. in Nutrient Film Culture.
 C. Economakis, **A. Karioti**, H. Skaltsa*, D. Perdetzoglou, C. Demetzos*.
 Journal of Agricultural and Food Chemistry, (2005), 53, 1656-1660.
IF 4.192 Citations 9
- 11 Sesquiterpene Lactones from *Centaurea spinosa* and Their Antibacterial and Cytotoxic Activities
 V. Saroglou, **A. Karioti**, C. Demetzos, K. Dimas, H. Skaltsa*
 Journal of Natural Products, (2005), 68, 1404-1407.
IF 3.779 Citations 48
12. Linear sesquiterpene lactones from *Anthemis auriculata* and their antibacterial activity
 R. Theodori, **A. Karioti**, A. Rančić, H. Skaltsa*. Journal of Natural Products, (2006), 69, 662-664.
IF 3.779 Citations 19
13. Isolation and structural elucidation of two secondary metabolites from the filamentous fungus *Penicillium ochrochloron* with antimicrobial activity.
 A. Rančić, M. Soković, **A. Karioti**, J. Vukojević, H. Skaltsa*
 Environmental Toxicology and Pharmacology, (2006), 22, 80-84.
IF 3.292 Citations 28
14. Novel Secoiridoid Glucosides in *Olea europaea* leaves Suffering from Boron Deficiency
A. Karioti, A. Chatzopoulou, A.R. Bilia, G. Liakopoulos S. Stavrianakou, H. Skaltsa*. Bioscience, Biotechnology, and Biochemistry, (2006), 70, 1898-1903.
IF 1.360 Citations 24
15. Analysis of the essential oil of *Origanum dubium* growing wild in Cyprus. Investigation of its antioxidant capacity and antimicrobial activity.
A. Karioti, T. Vrahimi-Hadjilouca, D. Droushiotis, A. Rancic, D. Hadjipavlou-Litina, H. Skaltsa*.
 Planta Medica, (2006), 72, 1330-1334.
IF 2.687 Citations 13
16. Polar constituents from the aerial parts of *O. vulgare* L. ssp. *hirtum*, growing wild in Greece.
 C. Koukoulitsa, **A. Karioti**, M.C. Bergonzi, G. Pescitelli, L. Di Bari, H. Skaltsa*
 Journal of Agricultural & Food Chemistry, (2006), 54, 5388-5392.
IF 4.192 Citations 43
17. Flavonoids as chemotaxonomic markers in the polymorphic *Stachys swainsonii* (Lamiaceae)
 H. Skaltsa*, P. Georgakopoulos, D. Lazari, **A. Karioti**, J. Heilmann, O. Sticher, Th. Constantinidis
 Biochemical Systematics & Ecology, (2007), 35, 317-320.
IF 1.085 Citations 11

18. Analysis of the leaf Oil of *Syzygium malaccense* Merr. et Perry from Nigeria
A. Karioti, H. Skaltsa*, A. A. Gbolade.
 J.E.O.R., (2007), 19, 313-315.
IF 1.148 Citations 10
19. Constituents of the Distilled Essential Oils of *Citrus reticulata* and *C. paradisi* from Nigeria
A. Karioti, H. Skaltsa*, A. A Gbolade
 J.E.O.R., (2007), 19, 520-522.
IF 1.148 Citations 11
20. Essential Oils of Nigeria II: Analysis of the leaf Oil of *Securidaca longipendunculata* Fers.
 M. A. Adebayo, **A. Karioti**, H. Skaltsa*, I. A. Ogunwande
 J.E.O.R., (2007), 19, 452-454.
IF 1.148 Citations 3
21. Sesquiterpene Lactones from *Anthemis melanolepis*.
 V.Saroglou, **A. Karioti**, J. Heilmann, Z. Kyriotakis, H. Skaltsa*
 Helvetica Chimica Acta, (2007), 90, 171-175.
IF 2.309 Citations 5
22. Identification of tyrosinase inhibitors from *Marrubium velutinum* and *Marrubium cylleneum*
A. Karioti, A.Protopappa, N. Megoulas, H. Skaltsa*
 Bioorganic & Medicinal Chemistry, (2007), 15, 2708-2714.
IF 3.073 Citations 114
23. Phenolic compounds with antioxidant activity from *Anthemis tinctoria* L. (Asteraceae)
 P. Papaioannou, D. Lazari*, **A. Karioti**, C. Souleles, J. Heilmann, D. Hadjipavlou-Litina, H. Skaltsa
 Zeitschrift für Naturforschung. C, (2007), 62, 326-330.
IF 1.238 Citations 18
24. Cytotoxicity and immunomodulating characteristics of labdane diterpenes from *Marrubium cylleneum* and *Marrubium velutinum*
A. Karioti*, M. Skopeliti, O. Tsitsilonis, J. Heilmann, H. Skaltsa*
 Phytochemistry, (2007), 68, 1587-1594.
IF 3.044 Citations 28
25. Iridoids from *Scutellaria albida* ssp. *albida*
 C. Gousiadou, **A. Karioti**, J. Heilmann and H. Skaltsa*
 Phytochemistry, (2007), 68, 1799-1804.
IF 3.044 Citations 25
26. Minor Sesquiterpene Lactones from *Centaurea pullata* and Their Antimicrobial Activity.
 S. Djeddi, **A. Karioti**, M. Sokovic, D. Stojkovic, R. Seridi, and H. Skaltsa*
 Journal of Natural Products, (2007), 70, 1796-1799.
IF 3.779 Citations 16
27. Anthecularin, A Novel Sesquiterpene Lactone from *Anthemis auriculata* With Antiprotozoal Activity
Karioti A.*; Skaltsa H.; Linden, A.; Perozzo R.; Brun R.; Tasdemir D.*
 Journal of Organic Chemistry, (2007), 72, 8103-8106.

IF 4.335 Citations 33

28. Chemical and principal component analyses of the essential oils of Apioideae taxa (Apiaceae) from Central Balkan.
C. Kapetanios, **A. Karioti**, S. Bojović, P.D. Marin, M. Veljić, H. Skaltsa*
Chemistry & Biodiversity, (2008), 5, 101-119.

IF 2.039 Citations 39

29. Antioxidant and Anti-Inflammatory Activities of *Sideritis perfoliata* subsp. *perfoliata* (Lamiaceae)
M.-T. Charami, D. Lazari*, **A. Karioti**, H. Skaltsa, D. Hadjipavlou-Litina, C. Souleles
Phytotherapy Research, (2008), 22, 450-454.

IF 4.087 Citations 50

30. Essential oil constituents of *Klainedoxa gabonensis* Pierre ex Engl (Irvingiaceae), *Brachystegia nigerica* Hoyle et A. Jones (Caesalpinioideae) and *Acalypha segetalis* (Muell.) Arg., (Euphorbiaceae).
Ogunwande,* I. A.; Essien, E. E.; Ogunbinu, A. O.; Adebayo, M.; **Karioti, A.**; Saroglou, V.; Skaltsa, H.
J.E.O.R., (2008), 20, 211-215.

IF 1.148 Citations 4

31. Occurrence of flavonoids in *Ophrys* (Orchidaceae) flower parts
A. Karioti, C.K. Kitsaki, S. Zygouraki, M. Ziobora, S. Djeddi, H. Skaltsa and G. Liakopoulos*
Flora, (2008), 203, 602-609.

IF 1.591 Citations 15

32. Inhibiting Enoyl-ACP Reductase (FabI) Across Pathogenic Microorganisms by Linear Sesquiterpene Lactones from *Anthemis auriculata*
A. Karioti, H. Skaltsa, X. Zhang, P. J. Tonge, R. Perozzo, M. Kaiser, S. G. Franzblau, D. Tasdemir*
Phytomedicine, (2008), 15, 1125-1129.

IF 4.268 Citations 23

33. A novel sesquiterpene lactone from *Centaurea pullata*: structure elucidation, antimicrobial activity, and prediction of pharmacokinetic properties
S. Djeddi, **A. Karioti**, M. Sokovic, C. Koukoulitsa, and H. Skaltsa*
Bioorganic & Medicinal Chemistry, (2008), 16, 3725-3731.

IF 3.073 Citations 20

34. HPLC/DAD/ESI-MS Analysis of Non-volatile Constituents of three Brazilian Chemotypes of *Lippia alba* (Mill.) N. E. Brown
P. Timóteo*, **A. Karioti**, S. G. Leitão, F. F. Vincieri and A. R. Bilia
Natural Product Communications, (2008), 3, 2017-2020.

IF 0.468 Citations 3

35. Effects of Terpenoids from *Salvia willeana* in Delayed-type Hypersensitivity, Human Lymphocyte Proliferation and Cytokine Production
A. Vonaparti, **A. Karioti**, M. Recio, S. Máñez, J.L. Ríos, H. Skaltsa, R.M. Giner*
Natural Product Communications, (2008), 3, 1953-1958.

IF 0.468 Citations 4

36. Proanthocyanidin glycosides from the leaves of *Quercus ilex* L. (Fagaceae)
A. Karioti*, A. R. Bilia, C. Gabbiani, L. Messori, H. Skaltsa.

- Tetrahedron Letters, (2009), 50, 1771-1776.
IF 2.275 Citations 16
37. Rapid and efficient purification of naphthodianthrone from St. John's Wort extract by using liquid-liquid extraction and SEC
A. Karioti*, F. F. Vincieri, A.R. Bilia
 Journal of Separation Science, (2009), 32, 1374-1382.
IF 2.878 Citations 14
38. Labdane diterpenes from *Marrubium thessalum*.
 C. Argyropoulou, **A. Karioti**, H. Skaltsa*
 Phytochemistry, (2009), 70, 635-640.
IF 3.044 Citations 21
39. Trypanocidal, leishmanicidal and cytotoxic effects of anthecotulide-type linear sesquiterpene lactones from *Anthemis auriculata*
A. Karioti, H. Skaltsa, M. Kaiser, D. Tasdemir*
 Phytomedicine, (2009), 16, 783-787.
IF 4.268 Citations 28
40. Sesquiterpene Lactones from *Anthemis melanolepis* and their Antibacterial and Cytotoxic Activities. Prediction of their Pharmacokinetic Profile
 Saroglou V, **Karioti A**, Rancic A, Dimas K, Koukoulitsa C, Zervou M, Skaltsa H.*
 Journal of Natural Products, (2010), 73, 242-246.
IF 3.779 Citations 21
41. Analysis of the constituents of aqueous preparations of *Stachys recta* by HPLC-DAD and HPLC-ESI-MS
A. Karioti*, L. Bolognesi, F. F. Vincieri, A.R. Bilia
 Journal of Pharmaceutical and Biomedical Analysis, (2010), 53, 15-23.
IF 3.209 Citations 23
42. *Quercus ilex* L.: A rich source of polyacylated flavonoid glucosides.
Karioti A*; Bilia A.R.; Skaltsa H.
 Food Chemistry, (2010), 123, 131-142.
IF 6.306 Citations 17
43. Depsides and Other Polar Constituents from *Origanum dictamnus* L. and Their in Vitro Antimicrobial Activity in Clinical Strains.
 Chatzopoulou A., **Karioti A.**, Gousiadou C., Lax Vivancos V., Kyriazopoulos P., Golegou S., Skaltsa H*.
 Journal of Agricultural and Food Chemistry, (2010), 58, 6064-6068.
IF 4.192 Citations 36
44. Antimicrobial activity of secondary metabolites isolated from *Centaurea spruneri* Boiss. & Heldr.
 A. Ciric, **A. Karioti**, J. Glamoclija, M. Sokovic, H. Skaltsa*
 Journal of the Serbian Chemical Society, (2010), 76, 27-34.
IF 1.097 Citations 7
45. Flavonoid glycosides from *Randonia africana* Coss. (Resedaceae)
 D. Berrehal, A. Khalfallah, A. Kabouche, Z. Kabouche*, **A. Karioti**, A.R. Bilia
 Biochemical Systematics & Ecology, (2010), 38, 1007-1009.
IF 1.085 Citations 6
46. Hypericins and Thioredoxin Reductase: Biochemical and Docking Studies disclose the Molecular Basis for Effective Inhibition by Naphthodianthrone

- F Sorrentino, **A Karioti**, P Gratteri, MP Rigobello, G Scutari, L Messori, A Bindoli*, M Chioccioli, C Gabbiani, MC Bergonzi, AR Bilia*
 Bioorganic & Medicinal Chemistry, (2011), 19, 631–641.
- IF 3.073 Citations 6**
- 47 Erinea formation on *Quercus ilex* leaves: Anatomical, physiological and chemical responses of leaf trichomes against mite attack
A Karioti, G Tooulakou, AR Bilia, GK Psaras, G Karabourniotis, H Skaltsa*
 Phytochemistry, (2011), 72, 230-237.
- IF 3.044 Citations 9**
- 48 Analysis of the constituents and quality control of *Viola odorata* aqueous preparations by HPLC-DAD and HPLC-ESI-MS
A Karioti*, C Furlan, FF Vincieri, AR Bilia
 Analytical and Bioanalytical Chemistry, (2011), 399, 1715-1723.
- IF 3.637 Citations 19**
- 49 Analysis and stability of the constituents of *Curcuma longa* and *Harpagophytum procumbens* tinctures by HPLC-DAD and HPLC-ESI-MS.
A Karioti*, E Fani, FF Vincieri, AR Bilia
 Journal of Pharmaceutical and Biomedical Analysis, (2011), 55, 479–486.
- IF 3.209 Citations 25**
- 50 Antimicrobial Properties of *Quercus ilex* L. Proanthocyanidin Dimers and Simple Phenolics: Evaluation of Their Synergistic Activity with Conventional Antimicrobials and Prediction of Their Pharmacokinetic Profile
Karioti A., Sokovic M., Ciric A., Koukoulitsa C., Bilia AR., Skaltsa H.*
 Journal of Agricultural & Food Chemistry, (2011), 59, 6412–6422.
- IF 4.192 Citations 35**
- 51 Salvianolic acid B and its liposomal formulations: anti-hyperalgesic activity in the treatment of neuropathic pain.
 Isacchi B*, Fabbri V, Galeotti N, Bergonzi MC, **Karioti A**, Ghelardini C, Vannucchi MG, Bilia AR.
 European Journal of Pharmaceutical Sciences, (2011), 44, 552-8.
- IF 3.616 Citations 24**
- 52 Minor Labdane Diterpenes from *Marrubium thessalum*
 C. Argyropoulou, **A. Karioti**, H. Skaltsa*
 Chemistry and Biodiversity, (2011), 8, 1880-1890.
- IF 2.039 Citations 5**
- 53 Anything to declare? Possible risks for patients' health resulting from undeclared plants in herbal supplements.
 E. Gallo, E. Giocaliere, S. Benemei, AR.Bilia, **A. Karioti**, A. Pugi, M. di Pirro, F. Menniti-Ippolito, G. Pieraccini, L. Gori, A. Mugelli, F. Firenzuoli & A. Vannacci*. British Journal of Clinical Pharmacology, Letter to the Editors, (2012), 73, 482-483.
- IF 3.740 Citations 3**
- 54 Flavononol Glycosides of *Reseda arabica* (Resedaceae)
 D. Berrehal, A. Khalfallah, A. Kabouche, **A. Karioti**, A.R. Bilia, A.C. Goren, Z. Kabouche*.
 Records of Natural Products, (2012), 6, 368-370.
- IF 1.268 Citations 2**

- 55 Microarray-Based Mrna Expression Profiling Of Leukemia Cells Treated With The Flavonoid Casticin
C. Righeschi, T. Eichhorn, **A. Karioti**, A.R. Bilia, T. Efferth*
Cancer Genomics & Proteomics, (2012), 9, 143-151.
IF 3.280 Citations 13
- 56 Sesquiterpene Lactones from *Centaurea zuccariniana* and Their Antimicrobial Activity
A. Ćirić, **A. Karioti**, C. Koukoulitsa, M Soković, and H. Skaltsa*.
Chemistry & Biodiversity, (2012), 9, 2843-2853.
IF 2.039 Citations 13
- 57 Analgesic and antioxidant activities of Algerian *Retama raetam* (Forssk.) Webb & Berthel extracts.
Djeddi S., **Karioti A.**, Yannakopoulou E., Papadopoulos K., Chatter R., Skaltsa H*.
Records of Natural Products, (2013), 7, 169-176.
IF 1.268 Citations 13
- 58 A New Flavonol Triglycoside and Other Flavonol Glycosides from *Astragalus armatus* Willd. (Fabaceae).
A. Khalfallah, **A. Karioti***, D. Berrehal, A. Kabouche, M. Lucci, A.R. Bilia and Z. Kabouche*. Records of Natural Products, (2014), 8, 12-18.
IF 1.268 Citations 4
- 59 Flavonoids, antioxidant and antibacterial activities of *Eryngium triquetrum*.
A. Khalfallah, D. Berrehal, A. Kabouche, **A. Karioti**, AR. Bilia, and Z. Kabouche*. Chemistry of Natural Compounds, (2014), 50, 130-132.
IF 0.653 Citations 7
- 60 Occurrence of secondary metabolites in tepals of *Asphodelus ramosus* L.
C Chimona, **A Karioti**, H Skaltsa, S Rhizopoulou*
Plant Biosystems (2014), 148, 31-34.
IF 1.787 Citations 3
- 61 Combined HPLC-DAD-MS, HPLC-MSn and NMR spectroscopy for quality control of plant extracts: the case of a commercial blend sold as dietary supplement.
A. Karioti*, E. Giocaliere, C. Guccione, G. Pieraccini, E. Gallo, A. Vannacci, A.R. Bilia
Journal of Pharmaceutical and Biomedical Analysis (2014), 88, 7-15.
IF 3.209 Citations 14
- 62 Kaempferol Derivatives as Antiviral Drugs against the 3a Channel Protein of Coronavirus.
S. Schwarz, D. Sauter, K. Wang, R. Zhang, B. Sun, **A. Karioti**, A.R. Bilia, T. Efferth, W. Schwarz*.
Planta Medica (2014), 80, 177-182.
IF 2.687 Citations 36
- 63 Polyphenols profile and antioxidant activity of skin and pulp of a rare apple from Marche region (Italy).
G. Giomaro, **A. Karioti**, A.R. Bilia, A. Bucchini, L. Giamperi, D. Ricci*, D. Fraternali
Chemistry Central Journal (2014), 8, 45.

IF 2.493 Citations 29

- 64 HPLC–DAD and HPLC–ESI-MS analyses of Tiliae flos and its preparations
A. Karioti*, L. Chiarabini, A. Alachkar, M. Fawaz Chehna, F.F. Vincieri, A.R. Bilia
Journal of Pharmaceutical and Biomedical Analysis (2014), 100, 205–214.

IF 3.209 Citations 18

- 65 A validated method for the analysis of Goji berry: a rich source of zeaxanthin dipalmitate
A. Karioti*, MC. Bergonzi, FF. Vincieri, AR. Bilia
Journal of Agricultural and Food Chemistry, (2014), 62, 12529–12535.

IF 4.192 Citations 24

- 66 Antioxidant, anti-inflammatory potential and chemical constituents of *Origanum dubium* Boiss., growing wild in Cyprus.
A. Karioti, T. Milošević–Ifantis, N. Pachopos, N. Niryiannaki, D. Hadjipavlou-Litina, H. Skaltsa*.
Journal Of Enzyme Inhibition And Medicinal Chemistry, (2015), 30, 38-43.

IF 4.673 Citations 4

- 67 A validated HPLC method for the analysis of herbal teas from three chemotypes of Brazilian *Lippia alba*
P. Timoteo, **A. Karioti***, SG. Leitão, FF. Vincieri, AR. Bilia
Food Chemistry (2015), 175, 366–373.

IF 6.306 Citations 26

- 68 Antibacterial, antioxidant, anti-cholinesterase potential and flavonol glycosides of *Biscutella raphanifolia* (Brassicaceae)
HB. Boudouda, A. Zeghib, **A. Karioti**, AR. Bilia, M. Öztürk, M. Aouni, A. Kabouche Z. Kabouche*.
Pak. J. Pharm. Sci., (2015), 28, 153-158.

IF 0.235 Citations 7

- 69 New natural product carbonic anhydrase inhibitors incorporating phenol moieties.
Karioti, A., Ceruso, M., Carta, F*., Bilia, A.-R., Supuran, C.T. 2015.
Bioorg. Med.Chem., (2015), 23, 7219-7225.

IF 3.073 Citations 7

- 70 In vitro evidence for the use of Astragali radix extracts as adjuvant for oxaliplatin-induced neurotoxicity
L. Di Cesare Mannelli*, M. Zanardelli, G. Bartolucci, **A. Karioti**, A.R. Bilia, A. Vannacci, A. Mugelli, C. Ghelardini.
Planta Medica, (2015), 81, 1045-1055

IF 2.687 Citations 14

- 71 Compounds from *Sedum caeruleum* with antioxidant, anticholinesterase, and antibacterial activities
C. Bensouici, A. Kabouche, **A. Karioti**, M. Öztürk, M. Emin Duru, A.R. Bilia, Z. Kabouche*.
Pharmaceutical Biology, (2016), 54, 174-179.

IF 2.971 Citations 12

- 72 Production of rosmarinic acid and salvianolic acid B from callus culture of *Salvia miltiorrhiza* with cytotoxicity towards acute lymphoblastic leukemia cells. Wu, C.-F., **Karioti, A.**, Rohr, D., Bilia, A.R., Efferth, T*. Food Chemistry, (2016), 2901, 292-297.

IF 6.306 Citations 25

- 73 A Validated Method for the Quality Control of *Andrographis paniculata* Preparations
Karioti A.*, Timoteo P., Bergonzi MC., Bilia AR. Planta Medica, (2017), 83, 1207-1213.

IF 2.687 Citations 5

- 74 Natural Polyphenols Selectively Inhibit β -Carbonic Anhydrase from the Dandruff-Producing Fungus *Malassezia globosa*: Activity and Modeling Studies.
Nocentini A., Bua S., Del Prete S., Heravi YE., Saboury AA., **Karioti A.** Bilia AR., Capasso C., Gratteri P., Supuran CT*. ChemMedChem (2018), 13, 816-823.

IF 3.124 Citations 2

- 75 LC-MS- and NMR-Guided Isolation of Monoterpene Dimers from Cultivated *Thymus vulgaris* Varico 3 Hybrid and Their Antityrosinase Activity
I. Stefanis, D. Hadjipavlou-Litina, AR. Bilia, **A. Karioti*** Planta Medica, (2019), 85, 941-946.

IF 2.687 Citations 0

- 76 Leaf Decoction of *Carica papaya* Combined with Artesunate Prevents Recrudescence in *Plasmodium berghei*-Infected Mice
AR. Sannella, **A. Karioti**, S. Orsini, A. Scalone, L. Gradoni, L. Messori, C. Severini, Ar. Bilia*. Planta Medica, (2019), 85, 934-940.

IF 2.687 Citations 0

- 77 Sesquiterpene lactones and other secondary metabolites from *Crepis commutata* (Spreng.) Greuter – Asteraceae.
Kotti I, Barda C, **Karioti A**, Skaltsa H*. Biochemical Systematics and Ecology, (2019), 86, Article number 103917.

IF 1.085 Citations 0

- 78 A closed chemobronic system as a biochemical delivery platform. Angelis G, Zayed DN, **Karioti A**, Lazari D, Kanata E, Sklaviadis T, Pampalakis G.* Chemistry - A European Journal (2019), 25, 12916-12919.

IF 4.857 Citations 1

- 79 Sea fennel: Phytochemical analysis of Greek wild and cultivated *Crithmum maritimum* L. populations, based on HPLC-PDA-MS and NMR methods.

Zafeiropoulou V, Tomou E-M, Ioannidou O, **Karioti A**, Skaltsa H*.
Journal of Pharmacognosy and Phytochemistry, 2020, 9, 998-1004.

- 80 Inhibitory Effect of Lithospermic Acid on the HIV-1 Nucleocapsid Protein
Mori, M., Ciaco, S., Mély, Y., Karioti, A.* *Molecules*, 2020, 25(22).
IF 3.010
- 81 Plausible emergence of biochemistry in enceladus based on chemobionics. Angelis, G., Kordopati, G. G., Zingkou, E., **Karioti, A.**, Sotiropoulou, G., & Pampalakis, G.* *Chemistry - A European Journal*, 2021, 27(2), 600-604.
IF 5.030
- 82 Phenols from *Origanum dictamnus* L. and *Thymus vulgaris* L. and their activity against *Malassezia globosa* carbonic anhydrase.
C. Paloukopoulou, S. Govari, A. Soulioti, I. Stefanis, A. Angeli, A. Matheussen, C. Capasso, P. Cos, C.T. Supuran, **A. Karioti***
Natural Product Research, 2021, AHEAD-OF-PRINT, 1-7
<https://doi.org/10.1080/14786419.2021.1880406>
IF 2.060
- 83 Threatened Cretan species *Chaerophyllum creticum* Boiss. & Heldr.: phenolic profile by HPLC-PDA-MS and *in vitro* antioxidant capacity.
L. Prokopiou, A. Halahlah, S. Grigorakis, C. Fournaraki, E. Kokkalou, **A. Karioti***
Natural Product Research, 2021, AHEAD-OF-PRINT.
DOI: [10.1080/14786419.2021.1889545](https://doi.org/10.1080/14786419.2021.1889545)
IF 2.060

Publications: 83

Citations 1859 (without self citations of all co-authors)

h-index **25** (scopus), **26** (WOS), **33** (Google Scholar)

CONGRESS ACTS (posters)

1. Secondary metabolites from the aerial parts of *Centaurea deusta*. Antifungal activity.
A. Karioti, H. Skaltsa, D. Lazari, M. Socovic, B. Garcia, C. Harvala
International Congress and 48th Annual Meeting of the Society for Medicinal Plant Research (GA), Zurich, Switzerland, September 2000.
2. Sesquiterpene lactones from the aerial parts of *Centaurea zuccariniana* and their cytotoxic/cytostatic activity against human cell lines *in vitro*.
E. Koukoulitsa, **A. Karioti**, K. Dimas, C. Demetzos, H. Skaltsa
International Congress and 49th Annual Meeting of the Society for Medicinal Plant Research (GA), Erlangen, Germany, September 2001.
3. Secondary metabolites from the aerial parts of *Stachys ionica*, a Greek endemic species

- A. Meremeti, **A. Karioti**, H. Skaltsa, J. Heilmann, O. Sticher
International Congress and 49th Annual Meeting of the Society for Medicinal Plant Research (GA), Erlangen, Germany, September 2001.
4. Sesquiterpene lactones from the aerial parts of *Anthemis altissima*. *In vitro* anti-*Helicobacter pylori* activity
M. Konstantinopoulou, **A. Karioti**, S. Skaltsas, H. Skaltsa
International Congress and 50th Annual Meeting of the Society for Medicinal Plant Research (GA), Barcelona, Spain, September 2002.
 5. Sesquiterpene lactones from the aerial parts of *Centaurea spinosa* and their cytotoxic/cytostatic activity against human cell lines *in vitro*.
V. Saroglou, **A. Karioti**, K. Dimas, C. Demetzos, H. Skaltsa
International Congress and 50th Annual Meeting of the Society for Medicinal Plant Research (GA), Barcelona, Spain, September 2002.
 6. Acylated flavonoid glycosides from *Marrubium velutinum*
A. Karioti, J. Heilmann, H. Skaltsa, O. Sticher
International Congress and 50th Annual Meeting of the Society for Medicinal Plant Research (GA), Barcelona, Spain, September 2002.
 7. Phenylethanoid glycosides from *Marrubium velutinum*
A. Karioti, H. Skaltsa, J. Heilmann, O. Sticher
2nd Conference on Medicinal & Aromatic Plants of Southeast European Countries, Chalkidiki, Greece, September 2002.
 8. Fungicide properties and chemical composition of aqueous rinses of the leaves of *Dittrichia viscosa*
Stavrianakou, S., Liakoura, V., **Karioti, A.**, Skaltsa, H. Karabourniotis, G. A.
13th Congress of the Federation of European Societies of Plant Physiology (FESPP) Crete, Greece, September 2002.
 9. A preliminary study on the antioxidant and anti-inflammatory activity of *Sideritis perfoliata* subsp. *perfoliata*
Charami M.-T., Lazari D, Souleles C., Hadjipavlou D., **Karioti A.**, Skaltsa H.
International Congress on Natural Products Research, ICNPR – 2004, July 31 – August 4, 2004, Phoenix, Arizona, USA.
 - 9b. Antioxidant and anti-inflammatory constituents of *Sideritis perfoliata* subsp. *perfoliata* (Lamiaceae).
Charami M.-T., Lazari D., Souleles C., Hadjipavlou D., **Karioti A.**, Skaltsa H.
53rd Annual Congress of the Society for Medicinal Plant Research, Florence, August 21-25, 2005.
 10. Cytotoxic labdane diterpenes from *Marrubium velutinum* and *Marrubium cylleneum*
A. Karioti, J. Heilmann, M. Skopeliti, O. Tsitsilonis, H. Skaltsa

- 53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005.
- 11 Tyrosinase Inhibitory Activity of Flavonoids, Phenylethanoid glycosides and phenolic acids from *Marrubium velutinum* and *M. cylleneum*.
A. Karioti, N. Protopappa, H. Skaltsa
53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005.
 - 12 Secoiridoid glucosides from leaves of boron deficient olive plants
A. Karioti, A. Chatzopoulou, A. R. Bilia, G. Liakopoulos, S. Stavrianakou, H. Skalt
53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005.
 - 13 Secondary metabolites from insect infected leaves of *Quercus ilex* L. (Fagaceae)
A. Karioti, G. Karabourniotis, A. Loukis, H. Skaltsa
53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005.
 - 14 Polar constituents from the aerial parts of *Origanum vulgare* L. ssp. *hirtum*, growing wild in Greece and their characterization using the VolSurf procedure. Inhibitory effect on mushroom tyrosinase.
C. Koukoulitsa, **A. Karioti**, M. C. Bergonzi, L. di Bari, G. Geromichalos, H. Skaltsa
53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005.
 - 15 Secondary metabolites from the aerial parts of *Anthemis auriculata* (Asteraceae) and their antimicrobial activity
R. Theodori, **A. Karioti**, A. Rančić, H. Skaltsa
53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005.
 - 16 Iridoids from *Scutellaria albida* ssp. *albida* and their cytotoxic and antimicrobial activities
C. Gousiadou, **A. Karioti**, A. Rancic, M. Skopeliti, O. Tsitsilonis, H. Skaltsa
53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005.
 - 17 A preliminary study on the antioxidant and anti-inflammatory activity of *Anthemis tinctoria* L. subsp. *tinctoria* var. *pallida* DC. (Asteraceae)
P. Papaioannou, D. Lazari, C. Souleles, D. Hadjipavlou, **A. Karioti**, H. Skaltsa
53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005.
 - 18 Essential oil constituents of *Klainedoxa gabonensis* Pierre ex Engl

- (Irvingiaceae), *Brachystegia nigerica* Hoyle et A. Jones (Caesalpinioideae) and *Acalypha segetalis* (Muell.) Arg., (Euphorbiaceae).
IOCB-5 & ISCNP-25 IUPAC, International Conference on Biodiversity and Natural Products, Kyoto, Japan, July 23-28, 2006.
- 19 Novel cytotoxic labdane diterpenes from *Marrubium cylleneum*
A. Karioti, M. Skopeliti, J. Heilmann, O. Tsitsilonis, H. Skaltsa
GA 2006 - International Congress and 54th Annual Meeting of the Society for Medicinal Plant Research. August 29 - September 2, 2006, Helsinki, Finland.
 - 20 Low Molecular Weight Polyphenols in insect infected leaves of *Quercus ilex* L. (Fagaceae)
H. Skaltsa, **A. Karioti**, G. Karabourniotis, A.R. Bilia
GA 2006 - International Congress and 54th Annual Meeting of the Society for Medicinal Plant Research. August 29 - September 2, 2006, Helsinki, Finland.
 - 21 Soyabean Lipoxygenase Inhibitory Activity of Flavonoids, Phenylethanoid glycosides and phenolic acids from *Marrubium velutinum* and *M. cylleneum*.
A. Karioti, D. Hadjipavlou-Litina, H. Skaltsa
GA 2006 - International Congress and 54th Annual Meeting of the Society for Medicinal Plant Research. August 29 - September 2, 2006, Helsinki, Finland.
 - 22 Secondary metabolites from the pericarps of *Juglans regia*
Kavroulaki E, **Karioti A**, Bilia AR, Skaltsa H
55th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria, September 2-6, 2007.
 - 23 A novel dimeric proanthocyanidin 3-O-glucoside from *Quercus ilex* L. (Fagaceae)
Karioti A, Bilia AR, Skaltsa H.
55th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria, September 2-6, 2007.
 - 24 Anthecularin, A Sesquiterpene Lactone With A Novel Ring System from *Anthemis auriculata* Exert Dual Inhibitory Activity Against FabG and FabI Enzymes
A. Karioti, H. Skaltsa, A. Linden, R. Perozzo, R. Brun, D. Tasdemir
55th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria, September 2-6, 2007.
 - 25 Sesquiterpene Lactones from the aerial parts of *Anthemis melanolepis* L.
Saroglou V, **Karioti A**, Skaltsa H.
55th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria, September 2-6, 2007.
 - 26 Antimicrobial activity of sesquiterpene lactones from *Centaurea pullata* L., growing wild in Algeria.

- Djeddi S, **Karioti A**, Sokovic M, Stojkovic D, Skaltsa H
55th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria, September 2-6, 2007.
- 27 Phytochemical investigation of the endemic species *Marrubium thessalum* Boiss. & Heldr.
Argyropoulou C, **Karioti A**, Skaltsa H
55th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria, September 2-6, 2007.
- 28 Evaluation of the anti-herpes simplex virus activity of *Thymus longicaulis* L. (Lamiaceae)
Matta M.K., Paltatzidou K., Triantafyllidou H., Lazari D.M., **Karioti A.**, Skaltsa H., Panagiotidis C.A.
55th Annual Congress of the Society for Medicinal Plant Research, Graz, Austria, September 2-6, 2007.
- 29 Iridoids from *Scutellaria albida* ssp. *albida*
Gousiadou C, **Karioti A**, Skaltsa H
55th Annual Congress of the Society for Medicinal Plant Research, Graz, Austria, September 2-6, 2007.
- 30 Chemical composition of the essential oil of the Greek endemic species *Marrubium thessalum* (Lamiaceae)
Argyropoulou C, **Karioti A**, Skaltsa H
7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, 2008.
- 31 A new sesquiterpene lactone from the aerial parts of *Anthemis melanolepis* L.
Saroglou V, **Karioti A**, Skaltsa H
7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, 2008.
- 32 Analgesic activity of secondary metabolites from two *Centaurea* species
Djeddi S Chatter R, **Karioti A**, Argyropoulou C, Kharrat R, Skaltsa H
7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, 2008.
- 33 Labdane diterpenes and phenylethanoid glycosides from the Greek endemic species *Marrubium thessalum* (Lamiaceae)
Argyropoulou C, **Karioti A**, Skaltsa H
7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, 2008.
- 34 Flavonoids of *Retama raetam* Webb. from Algeria
Djeddi S, **Karioti A**, Skaltsa H
7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, August 2008.
- 35 Secondary metabolites from the pericarps of *Juglans regia* L. (Juglandaceae)
Kavroulaki E, **Karioti A**, Bilia AR, Skaltsa H

- 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, 2008.
- 36 Phenolic variations in mite infected leaves of *Quercus ilex* L. (Fagaceae)
Karioti A, Tooulakou G, Karabourniotis G, Bilia AR, Skaltsa H
7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, 2008.
- 37 Inhibitory activity of extracts and bioactive constituents of *Centaurea phyllocephala* Boiss. (Asteraceae) on aldose reductase *in vitro*.
Lazari D, Tsioumela C, Pegklidou K, **Karioti A**, Demopoulos V, Skaltsa H, Arfan M.
7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece, 2008.
- 38 Rapid Isolation of Salvianolic acid B from polar extracts of *Salvia miltiorrhiza* Bge. (Danshen)
Wang M, **Karioti A**, Bergonzi MC, Gao X, Liu Z, Vincieri FF, Bilia AR.
International Symposium, Traditional Chinese Medicine, Modernization of Acupuncture and Herbal Medicine Research, May 14 – 16, 2009, Graz, Austria.
- 39 Synergistic antiplasmodial activity of artemisinin and olive leaf decoction: the role of the constituents of the phytocomplex
Sannella AR, **Karioti A**, Ieri F, Romani A, Vincieri FF, Messori L, Maiori G, Severini C, Bilia AR
57th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Geneva, Switzerland, August 16-20, 2009.
- 40 Antiplasmodial activity of papaya leaf decoction and its synergistic effects in combination with artemisinin
Sannella AR, **Karioti A**, Vincieri FF, Messori L, Maiori G, Severini C, Bilia AR
57th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Geneva, Switzerland, August 16-20, 2009.
- 41 Trypanocidal, Leishmanicidal and Cytotoxic Effects of Anthecotulide Type Linear Sesquiterpene Lactones from *Anthemis auriculata*
Karioti A, Skaltsa H, Keiser M, R, Tasdemir D
57th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Geneva, Switzerland, August 16-20, 2009.
- 42 Polyphenol content of aqueous preparations of three chemotypes of *Lippia alba* Mill N. E. Brown (Verbenaceae), by HPLC/DAD/ESI-MS.
Timóteo P, **Karioti A**, Leitão SG, Vincieri FF, Bilia AR
57th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Geneva, Switzerland, August 16-20, 2009.
- 43 *Quercus ilex* L.: a rich source of polyacylated flavonoid glucosides
Karioti A, Bilia AR, Skaltsa H
57th International Congress & Annual Meeting of the Society for Medicinal

Plant Research, Geneva, Switzerland, August 16-20, 2009.

- 44 Evaluation of the complexing ability, stoichiometry and association constants of cyclodextrin complexes by innovative NMR methods: the cases of verbascoside and salvianolic acid B
B. Isacchi, **A. Karioti**, M.C. Bergonzi; A.R. Bilia.
7th World Meeting on Pharmaceuticals, Biopharmaceutics and Pharmaceutical Technology in Malta 2010.
- 45 *In vivo* evaluation of antiplasmodial activity of *Carica papaya* leaf extracts
Pietretti A, **Karioti A**, Sannella A, Orsini S, Scalone A, Gradoni L, Messori L, Bilia AR Severini C
XXVI Congresso Nazionale, Società Italiana Di Parassitologia, Perugia, 22-25 Giugno 2010
- 46 Antihyperalgesic activity of salvianolic acid B and its formulations in the chronic constriction injury of the sciatic nerve (CCI) model of neuropathic pain
Isacchi B, Fabbri V, Ghelardini C, Salvicchi A, Vivoli E, **Karioti A**, Bergonzi C, Bilia A
58th International Congress & Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, August 29-September 2, 2010.
- 47 Analysis and stability of the constituents of *Curcuma longa* and *Harpagophytum procumbens* tinctures by HPLC-DAD and HPLC-ESI-MS.
Karioti A, Fani E, Vincieri F, Bilia A
58th International Congress & Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, Aug. 29-Sept. 2, 2010.
- 48 Antiplasmodial *in vivo* activity of *Carica papaya* leaf decoction
Pietretti A, **Karioti A**, Sannella A, Orsini S, Scalone A, Gradoni L, Messori L, Severini C, Bilia A
58th International Congress & Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, Aug. 29-Sept. 2, 2010.
- 49 Analysis of the constituents of aqueous preparations of *Stachys recta* by HPLC-DAD and HPLC-ESI-MS.
Karioti A, Bolognesi L, Vincieri F, Bilia A
58th International Congress & Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, Aug. 29-Sept. 2, 2010.
- 50 Characterization of salvianolic acid B and verbascoside cyclodextrin complexes by innovative NMR methods. Evaluation of their stability
Isacchi B, **Karioti A**, Bergonzi C, Bilia A
58th International Congress & Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany, Aug. 29-Sept. 2, 2010.

- 51 An anti-hypertensive herbal supplement containing not-declared reserpine and ajmaline: A possible risk for patients' health.
Firenzuoli, F.; Gallo, E.; Giocaliere, E.; Pieraccini, G.; Moneti, G.; Bilia, A.R.; **Karioti, A.**; Mugelli, A.; Vannacci, A. *European Journal of Integrative Medicine*, (2010), 2, 255.
3rd European Congress for Integrative Medicine, December 3-4, 2010, Berlin.
- 52 Flavonoid triglycosides from *Astragalus armatus*
Khalfallah A; **Karioti A**; Berrehal D; Kabouche A; Lucci M; Kabouche Z; Bilia A.
Congresso S.I.F. 2011 Roma, 30 Giugno-2 Luglio.
- 53 HPLC-DAD, HPLC-ESI-MS and HPLC-MS/MS analyses of aqueous preparations of *Tiliae flos (Tilia platyphyllos)*
Karioti A; Chiarabini L; Ieri F; Alachkar A; Fawaz Chehna M; Vincieri FF; Bilia A.
Congresso S.I.F. 2011 Roma, 30 Giugno-2 Luglio.
- 54 HPLC-DAD/ESI-MS identification and quantification of polar constituents in six *Stachys* taxa from Balkan peninsula
Karioti A; Kukic Markovic J; Petrovic S; Niketic M; Bilia A.
Congresso S.I.F. 2011 Roma, 30 Giugno-2 Luglio.
- 55 A validated HPLC-DAD and HPLC-ESI-MS method for the analysis and quality control of *Viola odorata* aqueous preparations
Karioti A; Furlan C; Vincieri FF; Bilia A:
59th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Antalya Turkey, September 4-9, 2011.
- 56 HPLC-DAD, HPLC-ESI-MS and HPLC-MS/MS analyses of aqueous preparations of *Tiliae flos (Tilia platyphyllos)*
Karioti A; Chiarabini L; Ieri F; Alachkar A; Fawaz Chehna M; Vincieri FF; Bilia A.
59th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Antalya Turkey, September 4-9, 2011.
- 57 Inclusion studies of falcarinol in β -cyclodextrin
Karioti A; Leonti M; Bergonzi M; Bilia A.
59th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Antalya Turkey, September 4-9, 2011.
- 58 HPLC-DAD/ESI-MS identification and quantification of polar constituents in six *Stachys* taxa from Balkan peninsula
Karioti A; Kukic Markovic J; Petrovic S; Niketic M; Bilia A.
59th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Antalya Turkey, September 4-9, 2011.
- 59 Flavonoid triglycosides from *Astragalus armatus*

- Khalfallah A; **Karioti A**; Berrehal D; Kabouche A; Lucci M; Kabouche Z; Bilia A.
59th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Antalya Turkey, September 4-9, 2011.
- 60 Mediterranean *Stachys* sp.: a valuable source of phenolic antioxidants
Karioti A; Kukic Markovic J; Petrovic S; Niketic M; Bilia A.
XXVIth International Conference on Polyphenols, Polyphenols Communications 2012, T1.39, 189-190. Florence, Italy, 23rd-26th July 2012.
- 61 Secondary metabolites of *Origanum dubium* Boiss. from Cyprus
Milošević-Ifantis T, Pachopos N, Niryiannaki N, **Karioti A**, Skaltsa H
8th Joint Meeting of AFERP, ASP, GA, PSE and SIF. New York City, July 28 - August 1, 2012
- 62 HPLC-DAD/ESI-MS analyses of aqueous preparations from *Stachys thirkei* K. Koch and quantification of major phenolic constituents
Şerbetçi T, **Karioti A**, Akalin E, Bilia AR.
8th Joint Meeting of AFERP, ASP, GA, PSE and SIF. New York City, July 28 - August 1, 2012
- 63 A validated method for the quality control of *Andrographidis herba*
A. Karioti, P. Timoteo, A.R. Bilia
61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA). Sept 1 - 5, 2013, Muenster, Germany.
- 64 A validated method for the quality control of *Andrographidis herba*
A. Karioti, P. Timoteo, A.R. Bilia
XIII Congresso della Società Italiana di Fitochimica, Gargnano, 19-21 Settembre, 2013.
- 65 *Astragalus membranaceus* extracts protect nervous cell cultures against chemotherapy-induced neurotoxicity.
Zanardelli M., Di Cesare Mannelli L., Micheli L., **Karioti A.**, Gallo E., Pacini A., Firenzuoli F., Vannacci A., Bilia A.R., Mugelli A., Ghelardini C.
XIII Congresso della Società Italiana di Fitochimica, Gargnano, 19-21 Settembre, 2013
- 66 Comparative quantitative analysis of Infusions and Decoctions from three chemotypes of *Lippia alba* Mill N. E. Brown (Verbenaceae) by HPLC-DAD-MS
P. Timóteo, **A. Karioti**, S.G. Leitão, F.F. Vincieri, A.R. Bilia
ChimAli 2014, National Congress of Food Chemistry, Florence, 6th-10th July, 2014.
- 67 An improved method for the determination of carotenoids in *Lycium barbarum* fruits, a promising dietary supplement
A. Karioti, M.C. Bergonzi, A.R. Bilia

- ChimAli 2014, National Congress of Food Chemistry, Florence, 6th-10thJuly, 2014.
- 68 Quality control of *Andrographidis herba* and its preparations by HPLC-DAD-MS
A. Karioti, P. Timoteo, A.R. Bilia
62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), August 31 - September 4, 2014, Guimaraes, Portugal.
- 69 Optimization of extraction method and evaluation of minimum content of sesquiterpene lactones in *Aucklandia lappa* roots.
C Guccione, EE James, DA Mulholland, **A Karioti**, AR Bilia.
63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA2015), Budapest, Hungary, 23–27, August 2015.
- 70 Nanocochleates: innovative nanocarriers to enhance oral bioavailability of andrographolide.
I Leto, M Asprea, MC Bergonzi, **A Karioti**, AR Bilia.
63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA2015), Budapest, Hungary, 23–27, August 2015.
- 71 New natural product carbonic anhydrase inhibitors incorporating phenol moieties.
A. Karioti, M. Ceruso, F. Carta, AR Bilia, CT. Supuran
9th Joint Natural Products Conference 2016, July 24-27, Copenhagen, Denmark
- 72 Comprehensive analysis of the non-volatile content of the new *Thymus vulgaris* L. hybrid Varico 3
T. Akritidou, P. Manta, F. Michailidou, O. Ioannidou, I. Kougioumtzopoulou, D. Lazari, **A. Karioti**, E. Kokkalou
65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), 3rd-7th September 2017, Basel, Switzerland.
- 73 Analysis of the chemical content of the new *Thymus vulgaris* L. hybrid Varico I. Varico 3
T. Akritidou, P. Manta, F. Michailidou, O. Ioannidou, I. Kougioumtzopoulou, D. Lazari, **A. Karioti**, E. Kokkalou
28th Congress of the Hellenic Society of the Science of Fruits and Vegetables, Thessaloniki, 16-20 October 2017.
- 74 Salvianolic Acids from the Roots of *Salvia miltiorrhiza* as Effective Carbonic Anhydrase Inhibitors

- A. Karioti**, AR. Bilia, CT. Supuran, Anastasia Karioti.
11th International Conference on Carbonic Anhydrases, Bucharest, Romania, 2018 27-30, 2018.
- 75 Quality control of cultivated Greek thyme (*Thymus vulgaris*)
AR. Bilia, **A. Karioti**
30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCNP30 & ICOB10), November 25th – 29th 2018 Athens, Greece.
- 76 HPLC-DAD-MS guided investigations on the Greek cultivated medicinal plants *Origanum dictamnus* and *Thymus vulgaris* (Lamiaceae) reveal new natural products
S. Govari, C. Paloukopoulou, I. Stefanis, A. Soulioti, **A. Karioti**
30th International Symposium on the Chemistry of Natural Products and the 10th International Congress on Biodiversity (ISCNP30 & ICOB10), November 25th – 29th 2018 Athens, Greece.
- 77 Investigation of the effect of anthocyanin rich extracts in neoplastic protection
M. Christoforou, E. Kanata, K. Xanthopoulos, T. Tsoukni, **A. Karioti**, T. Sklaviadis, D. Dafou
The 69th Panhellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology (EEBMB), 23-25 November 2018 Larissa.
- 78 *Origanum dictamnus*, an important Greek species with long ethnomedicinal history as anti-inflammatory agent, is rich in phenolic content as confirmed by HPLC-PDA-MS and phytochemical analyses.
S. Govari, C. Paloukopoulou, A. Soulioti, G. Tasi, **A. Karioti**
19th International Congress of International Society for Ethnopharmacology (ISE), June 12th – June 14th, 2019 Dresden, Germany.
- 79 Combined HPLC-PDA-MS and NMR study of *Matricaria pubescens* extracts from Algeria
Ignatiadou ME, Zoumpou S, Kabouche Z, **Karioti A.**
67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Innsbruck, September 1 - 5, 2019.
- 80 LC-MS and NMR guided isolation of monoterpene dimers from cultivated *Thymus vulgaris* Varico 3 hybrid and their antityrosinase activity
Stefanis I, Hadjipavlou-Litina D, Bilia AR, **Karioti A.**
67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Innsbruck, September 1 - 5, 2019.

ORAL LECTURES

- 1 Phenylethanoid glycosides from *Marrubium velutinum*

- A. Karioti**, H. Skaltsa, J. Heilmann, O. Sticher
11th Panhellenic Pharmaceutical Congress, Athens, Greece, March 2003.
- 2 *Marrubium* sp.: isolation and structure elucidation of phenylethanoid glycosides and diterpenes.
53rd Annual Congress of the Society for Medicinal Plant Research (GA), Joint Congress with SIF Florence, Italy, August 21st-25th, 2005 (ομιλία στα πλαίσια του Young Researchers' Workshop)
 - 3 Procyanidins and a novel dimeric procyanidin-3-*O*-glucoside from *Quercus ilex* L. (Fagaceae)
Karioti A, Bilia AR, Vincieri FF, Skaltsa H
Scuola di Fitochimica «Lucca Ceccherelli», Tempio Pausania, Sardegna, Ottobre, 2007.
 - 4 Rapid and efficient purification of hypericin and pseudohypericin and inhibition of thioredoxin reductase
Karioti A, Sorrentino F, Gratterer P, Rigobello MP, Scutari G, Messori L, Bindoli A, Bergonzi MC, Bilia AR
57th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Geneva, Switzerland, August 16-20, 2009.
 - 5 A validated HPLC-DAD and HPLC-ESI-MS method for the analysis and quality control of *Viola odorata* aqueous preparations
Karioti A, Furlan C, Vincieri FF, Bilia A.
Congresso S.I.F. 2011 Roma, 30 Giugno-2 Luglio.
 - 6 HPLC-MS and NMR spectroscopy: two integrative analytical tools for the quality control of plant extracts, the case of a commercial blend sold as dietary supplement
A Karioti, E Giocaliere, G Pieraccini, A Vannacci, E Gallo, A Bilia
59th International Congress & Annual Meeting of the Society for Medicinal Plant Research, Antalya Turkey, September 4-9, 2011.
 - 7 Quality control of *Lycium barbarum* fruits: a valuable source of carotenoids
A. Karioti, C. Bergonzi, F.F. Vincieri, A.R. Bilia
61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA). Sept 1 - 5, 2013, Muenster, Germany.
 - 8 Quality control of *Lycium barbarum* fruits: a valuable source of carotenoids
A. Karioti, C. Bergonzi, F.F. Vincieri, A.R. Bilia
XIII Congresso della Società Italiana di Fitochimica, Gargnano, 19-21 Settembre, 2013.
 - 9 New natural product carbonic anhydrase inhibitors incorporating phenol moieties

A. Karioti, M. Ceruso, F. Carta, AR Bilia, CT. Supuran.
3rd Satellite Meeting on Carbonic Anhydrase, May 24-27th 2017,
Montecatini Terme, Italy.

LECTURES IN INTERNATIONAL CONGRESSES / SUMMER SCHOOL AS INVITED SPEAKER

- 1 HPLC-MS and NMR spectroscopy: two integrative analytical tools for the quality control of plant extracts, the case of a commercial blend sold as dietary supplement.
Phytopharm 2011, 15th International Congress, 25-27 July, Nuremberg Germany.
- 2 Invited Expert Talk
HPLC-MS and NMR: two complementary tools in quality control, fingerprinting of plant extracts and targeted isolation of new natural products.
COST Action CM1407, 5th MC/WG Meeting- Challenging organic syntheses inspired by nature from natural products chemistry to drug discovery. Malta, 1-2 March 2018.
- 3 HPLC-MS and NMR: two complementary tools for targeted isolation of natural products
Natural Products Summer School, 27-29 April 2018, Thessaloniki, Greece.
- 4 Natural products as useful tools for inhibition of carbonic anhydrases
19th International Congress of International Society for Ethnopharmacology (ISE), June 12th – June 14th, 2019 Dresden, Germany.
- 5 «International Webinar Series - Reimagine Ethnopharmacology” - Institute of Bioresources and Sustainable Development (IBSD), Society for Ethnopharmacology (SFE), India and International Society for Ethnopharmacology (ISE), Switzerland. 27 February 2021.