

## CURRICULUM VITAE

### PERSONAL DATA

**Surname:** SKALTSOUNIS

**First Name:** ALEXIOS-LEANDROS

**Academic Position :** Professor

Dean of the School of Pharmacy University of Athens

**Date of Birth:** 11-02-1958

**Place of Birth:** Athens, Greece

### Professional Address:

University of Athens, School of Pharmacy, Department of Pharmacognosy & Natural Product Chemistry

Panepistimioupolis, Zografou, Athens, 15771

**email:** skaltsounis@pharm.uoa.gr

**webpage:** <http://natforce.pharm.uoa.gr>

**tel:** +(30)2107274598/ +(30)6973827671

**fax:** (30)2107274594

### Short Profile and relevant experience

A-L Skaltsounis, Ph.D., Professor in Pharmacognosy and Natural Product Chemistry is an author of 220 scientific publications, and inventor of 10 patents. He is awarded with 75 research grants of EU, GSRT (Greece) and other organizations. He leads a research group of more than 30 researchers.

**Bibliometrics:** Publications: 220, Citations: >6.000, h-index : 35

### EDUCATIONAL QUALIFICATIONS

- Degree in Pharmacy: Athens (1981)
- MSc in Medicinal Chemistry - Natural Product Chemistry: Orsay University, PARIS XI, Paris (1982)
- MSc in Organic Chemistry: Orsay University PARIS XI, Paris (1984)
- Ph.D. in Pharmacy (Doctorat d'Etat ès Sciences Pharmaceutiques): Distinction with Honors, Descartes University, Paris V, Paris (1987)

### PROFESSIONAL ACTIVITIES

- *Scientific Advisor* of the Pharmaceutical Laboratories BESINS-ISCOVESCO, 8, rue Morel, 92120 Montrouge, France (1986-1988)
- *Assistant:* Pharmacognosy Laboratory, University of PARIS V (1988-1993)
- *Assistant Professor:* Department of Pharmacognosy and Natural Product Chemistry, School of Pharmacy, University of Athens (1993-1998)
- *Associate Professor:* : Department of Pharmacognosy and Natural Product Chemistry, School of Pharmacy, University of Athens (1998-2003)
- *Professor:* Department of Pharmacognosy and Natural Product Chemistry, School of Pharmacy, University of Athens (since 2003)
- *Director:* Department of Pharmacognosy and Natural Product Chemistry, School of Pharmacy, University of Athens (since 2004)
- *Vice Dean:* School of Pharmacy, University of Athens (2005-2009)
- *Dean:* School of Pharmacy, University of Athens (2009-2013)

### SCIENTIFIC SOCIETIES/ ADVISORY BOARD OF SCIENTIFIC JOURNALS

*Member of the following Scientific Societies & Organisms:*

- French Academy of Pharmacy
- Society for Medicinal Plant Research (GA) *Advisory Board 2009-2011*
- French Society of Pharmacognosy (AFERP) *Advisory Board 2009-2011*
- European Federation of Medicinal Chemistry ; *Industry Liaison Committee Advisory Board 2011*
- American Society of Pharmacognosy (ASP)
- American Chemical Society (ACS)
- European Society of Pharmacy
- French Society of Chemistry
- International Union of Pure and Applied Chemistry
- Phytochemical Society of Europe (PSE)
- Brazilian Society of Pharmacognosy
- Regional representative of the International Council of Medicinal & Aromatics Plants (ICMAP)

- President of the VI and vice president of the XI commission of the National Organization of Medicine
- Member of the Scientific Council of Benaki Phytopathological Institute
- Member of the Scientific Council of I.P.A.M. (Institute of Medicinal & Aromatic Plants)

**Member of the editorial/advisory board of the following Scientific Journals:**

Planta Medica, Thieme ISSN 0032-0943

Journal of Natural Products ISSN 0163-3864

Pharmaceuticals, MDPI ISSN 1424-8247

Chinese Journal of Natural Medicines, Elsevier ISSN 1672-3651

Brazilian Journal of Pharmacognosy (Revista Brasileira de Farmacognosia) ISSN 0102-695X1

**Reviewer of 30 Scientific Journals including:**

J. Nat. Prod., Planta Med., Phytochem., J. Agr. Food Chem., Fitoter., Nat. Prod. Res., Nat. Prod. Com., Eur.

J. Med. Chem., J. Med. Che., Bioorg. & Med. Chem., Bioorg. & Med. Chem. Let., Tetrahedr., Tetrahedr.

Let., J. Org. Chem., Chemosph., Chem. Eng., J. Pharm. Biol., Eur. J. Med. Chem., Org. Let., J. Ethnopharm.

Reviewer also in National, International and EU grants

**Success stories**

- 6 products in the market as biological reagents commercialized by Sigma-Aldrich, Merck, Calbiochem, Alexis and other companies
- Foundation of a spin-off company “*Pharmagnose*”, dealing with natural products

**RESEARCH INTERESTS**

- Isolation of new lead compounds with pharmaceutical, agrochemical, nutraceutical and cosmetic interest from natural sources (plants, marine organism, fungi, and microorganisms) originated from Mediterranean and global biodiversity
- Identification and structure elucidation of natural products using state-of-the-art spectroscopic techniques (NMR, HRMS) and computational studies (*In silico* studies & Molecular modeling)
- MS- and NMR-based metabolomics and proteomics
- Qualitative and quantitative analysis of bioactive natural products in extracts and biological fluids
- Design and synthesis of new molecules with pharmacological interest (antitumor, antiviral, antibiotics, estrogen/antiestrogen, kinase inhibitors); structure-activity relationships
- “Green” chemistry and large-scale extraction of high added value natural products.

**RESEARCH FACILITIES**

Our laboratories are completely equipped with the instruments required for extraction, isolation, structure determination of natural products as well as for organic synthesis. This include instruments as: 200, 400 and 600 MHz NMR spectrometers, GC-MS, LC-MS, LC-HRMS/MS (Orbitrap), FTIR, UV, analytical and preparative HPLC, MPLC and FCPC as well as modern extraction equipments (Accelerate Solvent Extraction, Super Critical Solvent Extraction, Microwave Extraction). We are also equipped for pilot production (10, 60 and 200 lt reactors/extractors 3 x20 lt evaporators etc) as well as for semi industrial production (500 lt, 1000 lt reactors/extractors) and molecular modeling studies with Silicon Graphics Indy workstations and software like Macromodel and Hyperchem.

**INTERNATIONAL AWARDS & ORGANIZATION OF INTERNATIONAL MEETINGS**

- Roussel Prize (1983)
- Nativelle Prize (1984)
- First Prize in Doctorate Degree (1987)
- 2<sup>nd</sup> International congress of AFERP, 2002, 19-21, September Athens, Greece; **Chairman** (150 participants)
- 2<sup>nd</sup> Conference on medicinal & aromatic plants of southeast European countries, 2002, 29/9-3/10 Chalkidiki, Greece; Member of the Scientific Committee
- 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> International Symposium on Chromatography of Natural Products, 2004, 2006, 2008, 2010 Lublin, Poland; Member of the Scientific Committee.
- Indirubin, the red shade of Indigo, 2006, 8-13 April, Les Eyzies de-Tayac, France; **Cochairman** (100 participants)

- 2<sup>nd</sup> International symposium on chemistry of herbal medicine and Mongolian drug, 2006, 26-28 July, Ulaanbaatar; Mongolia, Member of the Scientific Committee.
- 55<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 2007, 2-6 September Graz, Austria; Member of the Scientific Committee.
- 7<sup>th</sup> Joint meeting of AFERP, ASP, GA, PSE & SIF, 2008, 3-8, August, Athens, Greece; **Chairman** (1200 participants from 80 countries, **the most important scientific event on Natural product Chemistry and Biology** organized by the European and American Scientific Societies every 4 years).
- Shanghai International Conference on traditional Chinese medicine, 2008, 10-12 October, Shanghai, China; Member of the Scientific Committee.
- 57<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 2009, 16-20 August; Geneva, Switzerland; Member of the Scientific Committee.
- 4<sup>th</sup> International congress of AFERP, 2010, 16-18, July, Besancon, France; Member of the Scientific Committee.
- International Conference on Chemical and Biological Utilization of Biomass Resources, 2010, 22-26 October, Nanjing, China; Member of the Scientific Committee.
- 59<sup>th</sup> International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 2011, 3-9 September; Antalya, Turkey; Member of the Scientific Committee.
- 2<sup>nd</sup> Networking event in the frame of EU project MAP2ERA "Exploitation and valorization of medicinal and aromatic plants" Fes, Morocco, 2012, 23-24 May

#### **INVITED SPEAKER**

- 1) International Symposium: Antitumor Product from Higher Plants, Paris, France, 1998, 8-10 of January. Plenary Lecture: Antitumor Natural and Synthetic Acronycine Derivatives
- 2) International Symposium on Chromatography of Natural Products, Lublin, Poland, 2002, 12-15 June. Keynote Lecture: Structural Identification and Bioavailability of Natural Antioxidants from Olive oil
- 3) Indirubin, the red shade of Indigo, Les Eyzies de-Tayac, France 2006, 8-13 April. Plenary Lecture: New indirubins as GSK-3 inhibitors
- 4) 4<sup>th</sup> International Conference on Natural Products "Natural Products: a chance for the future of mankind" Leysin, Switzerland, 28-31 May 2006. Plenary Lecture: Screening for antioxidant activity of Greek plant extracts
- 5) 2<sup>nd</sup> International symposium on chemistry of herbal medicine and Mongolian drug, Ulaanbaatar, Mongolia 2006, 26-28 July. Chemistry and biological activity of indirubins.
- 6) 3<sup>rd</sup> International Biotechnology Forum Athens, Greece 2006, 5-7 October. Plenary Lecture: New bioactive compounds of plant origin.
- 7) 3<sup>rd</sup> International Symposium of AFERP "Natural products of pharmaceutical and nutritional importance: Chemistry and uses" Nantes, France, 2006, 26-29 October. Plenary Lecture: Chemistry and structure-activity relationships of indirubins
- 8) 4<sup>th</sup> International Biotechnology Forum Athens, Greece, 2008, 2-3 February Plenary Lecture: Biodiversity and Chemodiversity as tools for the discovery of new bioactive compounds
- 9) 13<sup>th</sup> Hellenic Symposium of Medicinal Chemistry Athens, Greece, 2008, 14-15 March, Keynote Lecture: New indirubin derivatives as kinase inhibitors.
- 10) Shanghai International Conference on traditional Chinese medicine, Shanghai, China, 2008, 10-12 October. Plenary Lecture: From Danggui Longhui Wan to bioactive indirubin derivatives
- 11) Joint meeting on medicinal chemistry, Budapest, Hungary 2009, 24-27 June. Plenary lecture: Chemistry and Biology of novel indirubin derivatives
- 12) 8<sup>th</sup> International Symposium on the Chemistry of Natural Compounds, Eskisehir, Turkey, 2009, 15-17 June. Plenary Lecture: New Indirubins as kinases inhibitors
- 13) Traditional Chinese Medicine International Forum, Shanghai, China, 2009, 26-27 November. Traditional Chinese Medicine, a valuable source of knowledge for drug discovery: from Dangui Longui Wan to new bioactive indirubin derivatives.
- 14) Il Congresso Internacional de Medicamentos, Brazilia, Brasil, 2009, 30 October-1 November. New bioactive Indirubin Derivatives: Chemistry and Biology.
- 15) Joint Annual Meeting of the American Society of Pharmacognosy & the Phytochemical Society of North America, Tradewinds Island Grand St Petersburg Beach, Florida 2010, 10-14 July. New bioactive indirubin derivatives: Potent and selective kinase inhibitors.

- 16) XXI Simposio de Plantas Mediciniais do Brazil, Joao Pessoa, Paraiba, Brazil, 2010, 14-17 September. Agriculture waste; an important source of high added value products.
- 17) XXISimposio de Plantas Mediciniais do Brazil, Joao Pessoa, Paraiba, Brazil, 2010, 14- 17 September. Phytoestrogens: Chemistry and Biology
- 18) International Conference on Chemical and Biological Utilization of Biomass Resources, Nanjing, China 2010, 22-26 October. Keynote Lecture: High added value products from olive tree.
- 19) 3<sup>rd</sup> Brazilian Conference on Natural Products, Ouro Preto, Brazil, 2011, 29 October- 2 November. Plenary Lecture: New Bioactive indirubin derivatives: Chemistry and Biology.
- 20) VII Brazilian Symposium on Pharmacognosy, Ilheus, Brazil, 2012, 19- 23 April  
Plenary Lecture: Naturally halogenated indirubin analogues: structural diversity and biological activity
- 21) 2<sup>nd</sup> Networking event in the frame of EU project MAP2ERA “Exploitation and valorization of medicinal and aromatic plants” Fes, Morocco, 2012, 23-24 May  
Plenary Lecture: Indigoids, from natural dyeing agents to selective kinase inhibitors.
- 22) International Congress on Natural Products Research, New York City, U.S.A. 2012, 28 July-1 August  
Plenary Lecture: Indigoids, from natural dyeing agents to selective kinase inhibitors.

***Invited speaker also in the Universities:***

- 1) Lausanne 1999, by professor Hosttteman
- 2) Besancon November 2000 by professor Bevalot
- 3) Paris V June 2001, by professor Tillequin
- 4) Lausanne 2002, by professor Hosttteman
- 5) Ioannina 2003, by professor Gerothanasis
- 6) Rockefeller June 2004 by professor P. Greengard
- 7) Rockefeller June 2004 by professor A. Brivanlou
- 8) Nicosia, 2005, by professor Konstadinou
- 9) Geneva July 2005 by professor Hosttteman
- 10) Dresden 2006 by professor Volmer
- 11) Thessaloniki 2006, by professor Tsiftoglou
- 12) Shanghai November 2007 by professor Guo
- 13) Basel May 2007 by professor Hamburger
- 14) Tokushima September 2008, by professor Asakawa
- 15) Paris V June 2009, by professor Michel
- 16) Roma October 2009, by professor Viterbo
- 17) Geneva January 2010, by professor Wolfender
- 18) Philadelphia July 2010, by professor Smith
- 19) Dresden 2010, September, by professor Volmer
- 20) City of Hope Los Angeles June 2011, by professor Jove
- 21) Yaounde, October 2011, by professor Njamen
- 22) Salerno, December 2012, by professor Tomassi
- 23) Paris V, December 2012, by professor Deguin
- 24) Orleans, February 2013, by professor Elfakir

**SCIENTIFIC ACTIVITIES & PUBLICATIONS**

- 23 monographs. & review articles
- Editor in one book and in one special issue of *Planta Medica*
- 10 patents.
- 220 publications in international journals.
- 250 seminars/posters in international conferences.
- Supervision of 25 PhD, since 1994
- 75 Research grants; 13 European grants; 29 National grants; 33 Grants from private companies
- 6 derivatives of the natural lead compound 6-bromoindirubin, originally isolated as new natural product from *Hexaplex trunculus* commercialised as pharmacological tools and biological reagents (kinase inhibitors) by Sigma-Aldrich, Merck, Calbiochem, Alexis etc.

**MONOGRAPHS & REVIEW ARTICLES**

1. A.L. SKALTSOUNIS  
Alcaloïdes des tiges feuillées de *Melicope leptococca*

- DEA de Pharmacochimie, PARIS V (1982).
2. A.L. SKALTSOUNIS  
Synthèse des Alcaloïdes monoterpéniques de *Scaevola racemigera*  
DEA de Chimie organique, ORSAY (1984).
  3. A.L. SKALTSOUNIS  
Alcaloïdes et iridoïdes de *Scaevola racemigera*  
Thèse de Doctorat d'Etat ès Sciences Pharmaceutiques Paris V (1987).
  4. A.L. SKALTSOUNIS  
Lecture Notes: Synthesis of Natural Products
  5. F. TILLEQUIN, S. MICHEL, A.L. SKALTSOUNIS  
Acronycine type alkaloids: Chemistry and Biology in Alkaloids: Chemical and Biological Perspectives, vol 13, pp 1-102, 1998 ed. S. W. Pelletier, **Pergamon Press**.
  6. A.L. SKALTSOUNIS, S. MITAKOU, F. TILLEQUIN  
Acridone Alkaloids: The Alkaloids, vol 54, 259-374, 2000 Ed. G. A. Cordell, **Academic Press**.
  7. S. PASI, N. ALIGIANNIS, I. B. CHINOU, A.L. SKALTSOUNIS  
Chemical constituents and their antimicrobial activity from the roots of *Cephalaria ambrosioides* In "Natural Products in the New Millennium: Prospects and Industrial Applications: Proceedings of the Phytochemical Society of Europe, 229-234, 2002, **Kluwer academic publishers**
  8. M. DENISON, D.H. HAN, S. HEATH-PAGLIUSO, J. SCOVILL, L. MEIJER, L. SKALTSOUNIS, E. GILLAM, S.R. NAGY  
Activation of the aryl hydrocarbon receptor and aryl hydrocarbon signal transduction pathway by tryptophan-derived agonists  
Organohalogen Compounds, 2003, 65, 90-3. **Federal Environmental Agency**
  9. P. MAGIATIS, A.L. SKALTSOUNIS  
"From *Hexaplex trunculus* to new kinase inhibitory indirubins" In "Indirubin, the red shade of indigo" Ed. L Meijer, N. Guyard, A.L. Skaltsounis, G. Eisenbrand, 2006, **Life in Progress Editions**
  10. G. LAMBRINIDIS, M. HALAMBALAKI, E. KATSANOU, A. L. SKALTSOUNIS, M. N. ALEXIS, E. MIKROS  
The estrogen receptor and polyphenols: molecular simulation studies of their interactions, a review  
Environmental Chemistry Letters, 2006, 4, 159-174 **Springer-Verlag**
  11. R. GROUGNET, P. MAGIATIS, S. MITAKOU, A.L. SKALTSOUNIS.  
"Sesame seed coat: a rich source of potential mammalian lignan precursors" in Sesame (Medicinal and Aromatic Plants - Industrial Profiles).  
Ed. Bedigian D 2010, 48, 93-110, **CRC Press**
  12. I. ANDREADOU, E. ILIODROMITIS, E. MIKROS, A.-L. SKALTSOUNIS, D.. KREMASTINOS.  
The Usage of Oleuropein in the Myocardium 2010, 1433-1448; Olives and Olive Oil in Health Disease Prevention  
Ed. V.R. Preedy, **Elsevier**
  13. K. TERMENTZI, N. FOKIALAKIS, AL. SKALTSOUNIS  
Natural Resins and Bioactive Natural Products thereof as Potential Antimicrobial Agents.  
Current Pharm. Design.  
Ed. **Bentham Science Publisher** 2011, 17, 1267-90.
  14. A.-L. SKALTSOUNIS, NGABORIAUD-KOLAR  
(WO2011057959) Indole and indazole derivatives as glycogen synthase activators: A patent evaluation  
**Expert opinion on Therapeutic patents** 2011, 21, 1925-1929
  15. S. PARASCHOS, S. MITAKOU, AL. SKALTSOUNIS  
Chios Gum Mastic: a review of its biological activities. Current Medicinal Chemistry.  
Ed. **Bentham Science Publisher** 2012, 19, 2292-302.
  16. K. VOUGOGIANNPOULOU, AL. SKALTSOUNIS  
From Tyrian purple to kinase modulators: naturally halogenated indirubins and synthetic analogues, a review  
Planta Med. 2012, 78, 1515-1528.
  17. T. MICHEL, M. HALAMBALAKI, A.-L. SKALTSOUNIS  
New concepts, experimental approaches, and dereplication strategies for the discovery of novel phytoestrogens from natural sources, a review  
**Planta Medica** 2013, 79, 514-532
  18. N. GABORIAUD-KOLAR, AL. SKALTSOUNIS

Glycogen phosphorylase inhibitors: a patent review

*Expert opinion on Therapeutic patents* 2013, in press

19. M. HALABALAKI, K. VOUGOGIANNOPOULOU, E. MIKROS, A.L. SKALTSOUNIS  
Recent advances and new strategies in the NMR-based identification of natural products  
**Current Opinion in Biotechnology** 2014, **25**, 1-7.
20. T MICHEL, M HALABALAKI, AL SKALTSOUNIS  
New Concepts, Experimental Approaches, and Dereplication Strategies for the Discovery of Novel Phytoestrogens from Natural Sources, a review  
**Planta Medica (Special Issue – Women Health)**, 2013, **79(7)**, 514-32
21. MI CHRISTODOULOU, CK. KONTOS, M HALABALAKI, AL SKALTSOUNIS, A SCORILAS  
Nature promises new anticancer agents: interplay with the BCL2 apoptosis-related family, a review  
**Anticancer Agents in Medicinal Chemistry**, 2013, *in press*
22. E KOULOURA, J TCHOUMTCHOUA, M HALABALAKI, AL SKALTSOUNIS  
Sesquiterpenoids and other terpenoids - **Handbook of Chemical and Biological Plant Analytical Methods**  
Ed. K HOSTETTMANN, A MARSTON, H STUPPNER S Chen, John Wiley & Sons, Ttd, UK.2013, *in press*
23. C LEMUS, A ANGELIS, M HALABALAKI, AL SKALTSOUNIS  
 **$\gamma$ -Oryzanol: an attractive bioactive component from rice bran wheat and rice in disease prevention and health**  
Ed.RR. Watson, VR. Preedy, S Zibadi.Elsevier Inc. Philadelphia, USA, 2013, *in press*

#### **RESEARCH FUNDING FOR THE YEARS 2001-2014**

**66** Grants: **13** European grants, **24** grants from private companies and Public institutions, **29** National grants, with a total budget for the laboratory of ~**10.000.000 €**

#### **EUROPEAN RESEARCH GRANTS (Sponsor EU)**

1. LIFE ENVIRONMENT PROGRAM LIFE 00 ENV/gr/000671 Process development for an integrated olive oil mill waste management recovering natural antioxidants and producing organic fertilize. “Minos” (2001-2004) (**Coordinator**).
2. RTD QUALITY OF LIFE AND MANAGEMENT OF LIVING RESOURCES. 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” (2002-2005).
3. LIFE ENVIRONMENT PROGRAM LIFE 03 ENV/gr/000223  
Development of an economically viable process for the integrated management via utility of winemaking industry wastes: Production of high added value natural products and organic fertilizer. “Dionissos” (2003-2006).
4. COST action FA0602 Bioactive food components, mitochondrial function and health. “Mitofood” (2007-2011).
5. FP7-REGPOT-2007-1 CSA 206570 Reinforcing scientific and technological potential of the Natural Products Laboratory- University of Athens. “Nat Force” (2008-2011) (**Coordinator**).
6. COST action FP0901: Analytical techniques for Biorefineries (2009-2013)
7. FP7-PEOPLE-IAPP-2008 230763 Marie Curie Actions. Bioactive natural compounds extracted and isolated from olive tree using modern technologies: Probing into their therapeutic potential “Olitec” (2010-2014) (**Coordinator**).
8. FP7-KBBE-2009-3-1-04 Research, Technological Development and Demonstration Activities. From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest. “AgroCos” (2010-2013) (**Coordinator**).
9. FP7-PEOPLE- IRSES-2010 Marie Curie Actions Exploring the Chemical Biodiversity with Innovative Approaches to Fight Chagas Disease and Leishmaniasis “ChemBioFight”. (2011-2014) (**Coordinator**).
10. FP7-PEOPLE-IAPP-2010 Marie Curie Actions. Integrated technologies for the discovery and development of cosmeceutical agents from plant biodiversity. “Natprotec” (2011-2015) (**Coordinator**).
11. FP7-REGPOT-2011-1, CSA 284460 Integrating the emerging research Potential of the University of Athens-Cancer Research Group in the European research area. “INsPiRE” (2011-2015).

12. FP7-PEOPLE- IRSES-2011 Marie Curie Actions. hERG related assessment of botanicals. "hERGscreen" (2012-2015).
13. FP7-PEOPLE-2013-IAPP-Marie Curie Actions. Exploitation of microbial biodiversity for the discovery and development of novel cosmeceutical agents. "MICROSMETICS" (2013-2017)

### **GRANTS FROM PRIVATE COMPANIES, & FROM PUBLIC INSTITUTIONS (coordinator)**

#### ***Pharmaceutical industry***

Servier, Pierre Fabre (France), Janssen (Belgium), Lavipharm (Greece), ITI (USA)

#### ***Agro-food industry***

Phytolab, Finzelberg (Germany), Frutaroma (Switzerland), Hitex (France), Mastic Gum Corporation, Agrino, Cooperative wine of Tyrnavos, Biohellas, Creta Farm, Giotis, (Greece)

#### ***Cosmetic industry***

Korres Natural products, Apivita (Greece), Clorane (France)

#### ***Public and non profit private institutions***

Rockefeller University, USDA, City of Hope (USA), Region of Crete, Region of Central Macedonia, Ministry of Agriculture, Ministry of Public Health (Greece)

### **NATIONAL RESEARCH GRANTS (sponsor GSRT)**

#### ***"PAVE" projects***

1. PAVE 2001 Improvement and production of instant foods (soups) with cereals and plants of traditional Greek diet (2001-2002)
2. PAVE 2001 Bioactive compounds possessing antimicrobial and healing activities from plants of Greek traditional Medicine (2001-2002)
3. PAVE 2001 Development of a new per os administrated galenique formulation based on grapefruit extract (2001-2002)

#### ***"PENED" projects***

4. PENED 2002 Bioactive compounds from Greek wines and of Greek varieties of vineyards (*Vitis vinifera*). (2002-2005)
5. PENED 2002 Bioactive compounds from sesame: isolation, identification, structural identification and biological evaluation (2002-2005)
6. PENED 2002 Chemical analyses and bioactivities of Greek varieties of olive trees and Greek virgin oil (2002-2005)
7. PENED 2003 Design, development and pharmacological evaluation of novel molecules as CDKs inhibitors (2003-2006)

#### ***"EPET" projects***

8. EPET 2001 Phytochemical studies and bioavailability of compounds from Greek varieties of olive trees, tomatoes and vineyards (2001-2003)
9. EPET 2004 Design and development of new functional foods and food supplements, based on the Mediterranean diet and the biodiversity of the Greek flora (2004-2007) (**Coordinator**)

#### ***"EUREKA" projects***

10. EUREKA 2005. Utilization of perisperm and other parts of the sesame plant for extraction and further isolation of bioactive compounds with high added value. 2006-2008)
11. EUREKA 2005 Exploitation of tomato and fruit industry waste via the recovery of high added value bioactive constituents. (2006-2008) (**Coordinator**)
12. EUREKA 2005 Evaluation of the estrogenic activity of natural compounds and derivatives thereof: Development of innovative pharmaceuticals and cosmetics. (2006-2008)
13. EUREKA 2006 SERMs - Selective Estrogen Receptor Modulators: Synthesis and evaluation of biological activity. (2007-2009)

#### ***BILATERAL projects***

14. Greece-France (Station Biologique CNRS Roscoff) Indirubins analogues as CDK inhibitors (2002-2004) (**Coordinator**)

15. Greece-USA (USDA) Protection of the environment by the replacement of chemical pesticides by natural biopesticides and transition to sustainable agricultural practices (2005-2007) (**Coordinator**)
16. Greece-Poland (University of Lublin) Chemical compounds from Polish and Greek plants as potent immunomodulator agents (2003) (**Coordinator**)
17. Greece-China (Chinese Academy of Forestry) Natural compounds obtained from traditional Greek and Chinese plants using advanced technologies: probing their anti-ageing activity for applications to the nutraceutical and cosmeceutical industry. (2013-2015)
18. Greece-China (Nanchang University) Bee-based natural products as potential cosmeceutical agents with health promoting properties against UV-induced skin photo-ageing. (2013-2015)

**“AKMON” projects**

19. AKMON 2006 Expansion of the activities at the department of pharmacognosy & chemistry of natural products, in the field of pharmaceutical and environmental research and analysis. (2006-2008)

**“COOPERATION” projects**

20. COOPERATION 2010 Development of novel angiogenesis-modulating pharmaceuticals by screening compounds and synthetic analogues (**Coordinator**)
21. COOPERATION 2010 PIK3CA Oncogenic mutations in breast and colon cancers: Development of targeted anticancer drugs and diagnostics
22. COOPERATION 2010 Development and screening of novel beta amyloid peptide for Alzheimer’s diseases
23. COOPERATION 2010 Development of natural products and derivatives thereof for the prevention and treatment of osteoporosis using proteomics and metabonomics approach (**Coordinator**)
24. COOPERATION 2011 Application of state-of-the-art green technology for the development of high added value cosmeceuticals based on the Greek flora. “Engage”

**“ARISTEIA” projects**

25. ARISTEIA II A novel integrated concept exploiting the biodiversity and chemodiversity factor for the discovery of natural products as potent proteasome inhibitors with anti-cancer activity. (2013-2015) (**Main Researcher**)

**REGIONAL projects**

26. REGION OF IONIAN ISLANDS 2006 Development of an economically viable process for the integrated management via utility of agriculture waste and byproducts of Kefallinia, Ithaki islands: Production of high added value natural products and organic fertilizer (2006-2007) (Coordinator)

**“SME” projects**

27. Process development for the valorisation of by products of olive oil industry; production of squalene (2011-2013).
28. Process development for the valorization of byproducts of wood and saffron industry; Isolation of high added values compounds and their use in the cosmetic industry (2011-2013).

**“PRAXE” projects**

29. PRAXE, ATTIKA REGION 2009 “*Pharmagnose*”: a new innovative spin-off company operates in the field of natural product chemistry and biology (**Coordinator**)

**EDITOR OF SCIENTIFIC BOOKS & JOURNALS**

**Indirubin, the red shade of indigo** 2006 Life in Progress Editions, ISBN: 2-958029-0-0

**Planta Medica** An International Journal of Natural Products and Medicinal Plant Research, 2008, **74**, (9), 895-1228; special issue. Thieme ISSN 0032-0943



## PATENTS

1. M. KOCH, F. TILLEQUIN, A.L. SKALTSOUNIS, Y. ROLLAND, A. PIERRE, G ATASSI  
Acronycine analogues, process for their preparation and pharmaceutical compositions containing them  
Applicant: A.D.I.R. et Compagnie – Institut de Recherches Servier, 1996 Publication number EP0668281/ US5567707
2. S FOTINOS, L. PANAITESCU, D. KLETSAS, H. PRATSINIS, I. ZERVOLEA, AL. SKALTSOUNIS, S. MITAKOU, P. MAGIATIS  
Use of Mastic and its components for the control of microbial infections  
Applicant: LAVIPHARM SA, 2003 Publication number WO03092712/ AU2003241345/ EP1501527
3. S FOTINOS, L. PANAITESCU, AL. SKALTSOUNIS, S. MITAKOU, P. MAGIATIS, N. ALIGIANNIS, D. GALARIS  
Compounds and Composition Derived from Olives and Methods of Use Thereof  
Applicant: LAVIPHARM SA, 2003 Publication number US2003185921
4. L. MEIJER, P. GREENGARD, M. KNOCKAERT, AL. SKALTSOUNIS  
Indirubin-type compounds, compositions and methods for their use  
Applicant: ROCKEFELLER UNIVERSITY, CNRS 2005 Publication number WO2005041954/ US 2007276025/ EP1686988/ CA2543942/ AU2004285522
5. F. HANAWA, AL. SKALTSOUNIS, N. FOKIALAKIS  
Method for inhibiting DNA activity and method for controlling biological activity  
Applicant: Forestry & Forest Products Research Institute 2005 Publication number JP2005041816
6. M. CHALAMBALAKI, N. FOKIALAKIS, AL SKALTSOUNIS, S. MITAKOU, N. ALIGIANNIS, M. ALEXIS, H. PRATSINIS  
*Onobrychis* and *Genista* derived products for the prevention and therapy of hormone-dependent diseases  
Applicant: University of Athens 2005 Publication number GR1004825
7. S. HAROUTINIAN, AL SKALTSOUNIS, P. MAGIATIS, G. KAZANTZOGLOU, E. EVERGETIS  
Products derived from the vinification residues of cultivated plants belonging to the *vitis viniferae* species for producing cosmetic products, food supplements and bio-active foodstuffs  
Applicant: University of Athens, Agricultural University of Athens 2006 Publication number GR1005157
8. V. COXAM, AL. SKALTSOUNIS, C. PUEL, A. MAZUR  
Nutritional or therapeutic composition containing the compound oleuropeine or one of the derivatives thereof  
Applicant: INRA 2006, Publication number WO2004091591/ US2006193931/ EP1617836/ FR2853549
9. AL. SKALTSOUNIS, J. BOIX, P. MAGIATIS, K. BETTAYEB, J. RIBAS, L. MEIJER  
New 3'-7'-substituted indirubins and their applications  
Applicant: University of Athens, University of Lleida, CNRS 2007 Publication number WO2007099402/ EP1963264
10. L. MEIJER, A.L. SKALTSOUNIS, E. MIKROS, P. MAGIATIS, C. JOHNSON  
3',6-Substituted indirubins and their biological applications  
Applicant: University of Athens, CNRS 2009 EP 08161646.8-2101

## INTERNATIONAL PUBLICATIONS

1. A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, and T.SEVENET  
Alcaloïdes tiges feuillées de *Melicope leptococca*.  
*J. Nat Prod.*, 1983, **46**, 732-735.
2. A.L. SKALTSOUNIS, S. MICHEL, F. TILLEQUIN, and M. KOCH  
La dinkllageine, Alcaloïdes monoterpénique d'un type nouveau.  
*Tetrahedron Letters*, 1984, **25**, 2783-2786.
3. S. MICHEL, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, and L. AKE ASSI  
Alcaloïdes des feuilles de *Strychnos dinklagei*.  
*J. Nat Prod.*, 1985, **48**, 86-92.
4. A.L. SKALTSOUNIS, S. MICHEL, F. TILLEQUIN, M. KOCH, and J. PUSSET  
Alcaloïdes monoterpéniques de *Skaevola racemigera* Däniker.  
*Helv. Chim. Acta*, 1985, **68**, 1679-1685
5. S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, and J. PUSSET  
Alcaloïdes de *Geijera balansae*.  
*J. Nat Prod.*, 1985, **48**, 772-777.

6. S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, and J. PUSSET  
Alcaloïdes de *Sarcomelicope glauca*.  
*J. Nat. Prod.*, 1986, **49**, 1091-1095.
7. A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, J. PUSSET, and G. CHAUVIERE  
Four new dimeric monoterpene alkaloids from *Scaevola racemigera* Däniker (Goodeniaceae).  
*Heterocycles*, 1987, **26**, 599-605.
8. S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, and J. PUSSET  
Four new acridone alkaloids from *Sarcomelicope dogniensis* Hartley (Rutaceae).  
*Heterocycles*, 1987, **26**, 2057-2063.
9. S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Synthesis of 1-hydroxy-1,2-dihydroacronycine and 2-hydroxy-1,2-dihydroacronycine.  
*Planta Medica*, 1988, **54**, 24-27.
10. D. STOSIC, M. GORUNOVIC, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Nouveaux flavonocides de *Paeonia tenuifolia* L.  
*Helv. Chim. Acta*, 1988, **71**, 348-353.
11. G. BAUDOUIN, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Lugrandoside: A new phenylpropanoid glycoside from various *Digitalis* species.  
*Planta Medica*, 1988, **54**, 321-323.
12. M. BRUM-BOUSQUET, S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Acronycine epoxide: A new acridone alkaloid from several *Sarcomelicope* species.  
*Planta Medica*, 1988, **54**, 470-471.
13. D. STOCIC, M. GORUNOVIC, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Flavonoids from *Linum capitarum* K.  
*Acta Pharm. Jugosl.*, 1989, **39**, 215-218.
14. A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, J. PUSSET et G. CHAUVIERE  
Iridoids from *Scaevola racemigera*.  
*Planta Medica*, 1989, **55**, 191-192.
15. B.T. NGADJUI, J.F. AYAFOR, S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Dehydration of hydroxy-hemiterpenoid quinoline alkaloids and synthesis of paraensidimerines.  
*J. Nat. Prod.*, 1989, **52**, 300-305.
16. D. GOURNELIS, A.L. SKALTSOUNIS, F. TILLEQUIN, M. COCH, J. PUSSET et S. LABBARE  
Iridoïdes et alcaloïdes de *Plectronia odorata*.  
*J. Nat. Prod.*, 1989, **52**, 306-316.
17. S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, and J. PUSSET  
Alcaloïdes des écorces de *sarcomelicope dogniensis*.  
*Ann. Pharm. Fr.*, 1989, **47**, 149-156.
18. A.L. SKALTSOUNIS, S. SBAHI, C. DEMETZOS, and J. PUSSET  
Iridoïdes de *Scaevola montana*.  
*Ann. Pharm. Fr.*, 1989, **47**, 249-254.
19. A. VALIRAKI, T. PAPASTAIKOUDI, A.L. SKALTSOUNIS, and C. ROUSSAKIS  
Synthèse de nouvelles nitrosourées,  
*Ann. Pharm. Fr.*, 1989, **47**, 394-401.
20. D. STOCIC, M. GORUNOVIC, and A.L. SKALTSOUNIS  
Flavonosides de *Paeonia tenuifolia*,  
*Plant. Méd. et Phytot*, 1989, **23**, 275-282.
21. C. DEMETZOS, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Phase-transfer-catalyzed synthesis of flavonoid glycosides.  
*Carbohydr. Res.*, 1990, **207**, 131-137.
22. R.C. LIN, E. SEGUIN, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Synthesis of the alkaloid-glycosides of *Selaginella doederleini*  
and structure revision of one of them.  
*J. Nat. Prod.*, 1990, **53**, 882-893.
23. Y. RANARIVELO, F. HOTELLIER, A.L. SKALTSOUNIS, and F. TILLEQUIN  
Biomimetic synthesis of (-)-deoxyrhecifoline, (-)-actinidine.  
*Heterocycles*, 1990, **31**, 1727-1731.
24. Y. RANARIVELO, A.L. SKALTSOUNIS, M. ANDRIANTSIFERANA, and F. TILLEQUIN  
Hétérosides des feuilles de *Mussaenda arcuata*.

- Ann. Pharm. Fr.*, 1990, **48**, 273-277.
25. C. DEMETZOS, C. HARVALA, S. PHILIANOS, and A.L. SKALTSOUNIS.  
A new ladbane-type diterpene from the leaves of *Cistus incanus ssp creticus*.  
*J. Nat Prod.*, 1990, **53**, 1365-1368.
  26. R. BENKRIEF, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, and J. PUSSET  
Iridoïds and an alkaloid from *Oxera morieri*.  
*Planta Medica*, 1991, **57**, 79-80.
  27. R. BENKRIEF, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, and J. PUSSET  
Iridoïdes de *Coelospermum billardieri*.  
*J. Nat. Prod.*, 1991, **54**, 532-541
  28. A.L. SKALTSOUNIS, S. MITAKU, G. GAUDEL, F. TILLEQUIN, and M. KOCH  
Synthesis, glycosidations and resolution of (±)-lomatine.  
*Heterocycles*, 1992, **34**, 121-128.
  29. N. BOUGHANDJIOUA, R.C. LIN, A.L. SKALTSOUNIS, E. SEGUIN, F. TILLEQUIN, and M. KOCH  
Synthèses du β-L-rhamnopyranoside d'hordénine et d'acylogluco-L-rhamnopyranoses paracétylés.  
*Can. J. Chem.*, 1992, **70**, 1956-1965.
  30. S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, and M. KOCH  
Synthesis and glycosylation reactions of 3-halo-2,3,6-trideoxy L-arabino-hexopyranoses.  
*Synthesis*, 1992, 1068-1070.
  31. G. BAUDOIN, S. MITAKU, E. MIKROS, A.L. SKALTSOUNIS, and F. TILLEQUIN  
Thermal dimerization of noracronycine.  
*Heterocycles*, 1992, **34**, 1691-1696.
  32. T. CONSTADINIDES, C. HARVALA, and A.L. SKALTSOUNIS  
Pyrrolizidine Alkaloids from *Heliotropium hirsutissimum*.  
*Phytochemistry*, 1993, **32**, 1335-1337.
  33. C. DEMETZOS, S. MITAKU, A.L. SKALTSOUNIS, M. COULADIS, C. HARVALA, and F. LIBOT  
Diterpene esters of malonic acid from the resin Ladano of *Cistus creticus*.  
*Phytochemistry*, 1994, **35**, 979-981.
  34. B. RAZANAMAHEFA, C. DEMETZOS, A.L. SKALTSOUNIS, M. ANDRIANTISIFERANA, and F. TILLEQUIN  
Structure and synthesis of a Quercetin Glycoxyloside from *Kalanchoe prolifera*.  
*Heterocycles*, 1994, **38**, 357-373.
  35. C. DEMETZOS, A.L. SKALTSOUNIS, S. MICHEL, F. TILLEQUIN, M. KOCH, M. ANSTETT, S. LEONCE, A. PIERRE, and G. ATASSI  
Synthesis and biological activity of 3'-deamino-3'-haloanthracylines.  
*Anti-cancer Drug Design*, 1994, **9**, 129-137.
  36. R.C. LIN, A.L. SKALTSOUNIS, E. SEGUIN, F. TILLEQUIN, and M. KOCH  
Phenolic constituents of *Selaginella doederleinii*.  
*Planta Medica*, 1994, **60**, 168-170.
  37. J. WANDJII, Z.T. FOMNUM, F. TILLEQUIN, A.L. SKALTSOUNIS and M. KOCH  
Erysenegalenseins H and I: two new Isoflavones from *Erythrina senegalensis*.  
*Planta Medica*, 1994, **60**, 178-180.
  38. L.K. BASCO, S. MITAKU, A.L. SKALTSOUNIS, N. RAVELOMANANTSOA, F. TILLEQUIN, M. KOCH and J. LE BRAS  
In vitro activities of furoquinoline and acridone alkaloids against *Plasmodium falciparum*.  
*Antimicrobial Agents Chemother.*, 1994, 1169-1171.
  39. C. DEMETZOS, A.L. SKALTSOUNIS, B. RAZANAMAHEFA, and F. TILLEQUIN  
Synthesis of Quercetin 3-O-β-D-glucopyranosyl(1->2) β-D-xylopyranoside via orthoester methodology.  
*J. Nat. Prod.*, 1994, **57**, 1234-1238.
  40. A.L. SKALTSOUNIS, L. SEDRATI, F. TILLEQUIN, M. KOCH, J. PUSSET, and T. SEVENET  
Sarcomegistine, a new dihydrofuroquinoline alkaloid from *Sarcomegicope Megistophylla*.  
*Nat. Prod. Letters*, 1995, **5**, 281-287.
  41. C. KUHN, G. Le GOUADEC, A.L. SKALTSOUNIS, J.C. FLORENT  
Synthesis of chiral 4-alkyl 4 hydroxy cyclopentenoses via a stereoselective tandem aza-Cope/Mannich cyclization reaction from aldehydosugar.

- Tetrahedron Letters*, 1995, **36**, 3137-3140.
42. S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, J. PUSSET, and T. SEVENET  
New alkaloids from *Sacomelicope dogniensis*.  
*Nat. Prod. Letters*, 1995, **7**, 219-225.
43. S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, Y. ROLLAND, A. PIERRE, and G. ATASSI  
Synthesis and Anti-proliferative activity of 2-hydroxy-1,2-dihydro-acronycine glycosides  
*Pharmaceutical Research*, 1996, **13**, 939-943.
44. A. ELOMRI, A.L. SKALTSOUNIS, S. MICHEL, F. TILLEQUIN, M. KOCH, Y. ROLLAND, A. PIERRE, and G. ATASSI  
Synthesis and cytotoxic activity of acronycine derivatives modified at the pyran ring.  
*Chem. Pharm. Bull.*, 1996, **44**, 2165-2168.
45. A.L. SKALTSOUNIS, E. TSITSA-TZARDIS, C. DEMETZOS, and C. HARVALA  
Unduloside, a new iridoid glucoside from *Verbascum Undulatum*.  
*J. Nat. Prod.*, 1996, **59**, 673-675.
46. A. ELOMRI, S. MITAKU, S. MICHEL, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, A. PIERRE, N. GUILBAUND, S. LEONCE, L.K. BERTHIER, Y. ROLLAN, and G. ATASSI  
New acronycine derivatives with increased antitumor activity  
*J. Med. Chem.*, 1996, **39**, 4762-4766.
47. N. ALIGIANNIS, N. POULI, P. MARAKOS, A.L. SKALTSOUNIS, S. LEONCE, A. PIERRE, and G. ATASSI  
Synthesis and biological activity of 4'-azido and 4'-trifluoroacetamido-3'-chloro-3'-deamino-4'-deoxydaunorubicin  
*Bioorganic and Medicinal Chemistry Letters*, 1996, **6**, 2473-2476.
48. P. MAGIATIS, S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, A. PIERRE, and G. ATASSI  
Synthesis and biological activity of esters in the trans-1,2-dihydroxy-1,2-dihydroacronycine series  
*J. Nat. Prod.*, 1998, **61**, 198-201.
49. R. BENCRIEF, Y. RANARIVELO, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, J. PUSSET and T. SEVENET  
Monoterpene alkaloids, iridoids and phenylpropanoid glycosides from *Osmanthus austrocaledonica*  
*Phytochemistry*, 1998, **47**, 825-832.
50. E. KALPOUTZAKIS, I. CHINO, S. MITAKU, A.L. SKALTSOUNIS, and C. HARVALA  
Antibacterial Labdane-type Diterpenes from the resin "Ladano" of *Cistus Creticus*  
*Nat. Prod. Letters*, 1998, **11**, 173-179.
51. S. AXARLIS, A. MENTIS, C. DEMETZOS, S. MITAKU, A.L. SKALTSOUNIS, M. MARSELOS, and M. MALAMAS  
Antiviral in vitro activity of *Hypericum perforatum* L. extract on the human cytomegalovirus (HCMV).  
*Phytotherapy Research*, 1998, **12**, 507-511.
52. P. MAGIATIS, S. MITAKU, E. TSITSA, A.L. SKALTSOUNIS, and C. HARVALA  
Verbascoside derivatives and iridoid glycosides from *Verbascum undulatum*.  
*Nat. Prod. Letters*, 1998, **12**, 111-115.
53. P. MAGIATIS, E. MELLIYOU, A.L. SKALTSOUNIS, S. MITAKU, S. LEONCE, P. RENARD, A. PIERRE, and G. ATASSI  
Synthesis and cytotoxic activity in Seselin and xanthyletin Series.  
*J. Nat. Prod.*, 1998, **61**, 982-986.
54. D. MITROCOTSA, A.L. SKALTSOUNIS, S. MITAKU, C. HARVALA, and F. TILLEQUIN  
Flavanoid and terpene glycosides from European *Ebenus* species.  
*Biochemical Systematics and Ecology*, 1999, **27**, 305-307.
55. E. MIKROS, S. MITAKU, A.L. SKALTSOUNIS, F. LIBOT, F. TILLEQUIN, M. KOCH  
Stereochemical effects in some Acronycine derivatives.  
*Magn. Res. Chem.*, 1999, **37**, 498-506.
56. E. KALPOUTZAKIS, N. ALIGIANNIS, S. MITAKU, and A.L. SKALTSOUNIS  
Verbaspinoside, a new Iridoid Glycoside from *Verbascum Spinosum*.  
*J. Nat. Prod.*, 1999, **62**, 342-344.

57. P. MAGIATIS S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, M. KOCH, A. PIERRE, G. ATASSI  
Synthesis and cytotoxic activity of 1-alcoxy and 1-amino-2-hydroxy-1,2-dihydroacronycine derivatives.  
*Chem Pharm. Bulletin*, 1999, **47**, 611-614.
58. P. MAGIATIS, E. MELLIU, A.L. SKALTSOUNIS, I. CHINO, S. MITAKU  
Chemical Composition and Antimicrobial Activity of the Essential Oils of *Pistacia lentiscus var. chia*.  
*Planta Medica*, 1999, **65**, 749-752.
59. N. FOKIALAKIS, S. MITAKU, E. MIKROS, A.L. SKALTSOUNIS, F. TILLEQUIN, T. SEVENET  
Megistosacimine and megistosarconine, two alkaloids from *Sarcomelicope megistophylla*.  
*Phytochemistry*, 1999, **52**, 1745-1748.
60. D. MITROCOTSA, S. BOSCH, S. MITAKU, S. DIMAS, A.L. SKALTSOUNIS, C. HARVALA, and C. ROUSSAKIS  
Cytotoxicity against Human Leucemic Cell Lines and activity of the expression of resistance genes of flavonoids from *Platanus orientalis*.  
*Anticancer Research*, 1999, **19:3A**, 2085-2088.
61. M PAPAGEORGIOU, N. FOKIALAKIS, S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, T. SEVENET  
Two new alkaloids from the bark of *Sarcomelicope megistophylla*.  
*J. Nat. Prod.*, 2000, **63**, 385-386.
62. P. MAGIATIS, S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, and G. ATASSI  
Ring Expansion of Acronycine to Fused 1,4-Oxazepine and 1,4-Dioxepin Systems.  
*Nat. Prod. Letters*, 2000, **14**, 183-190.
63. N. ALIGIANNIS, N. POULI, P. MARAKOS, S. MITAKU, A.L. SKALTSOUNIS, S. LEONCE, A. PIERRE and G. ATASSI  
Design, Synthesis and Biological Activity of 7-O-(4-O-acetyl-3-iodo-2,3,6-trideoxy- $\alpha$ -L-arabino-hexapyranosyl)daunomicinone and 7-O-(3-chloro-2,3,6-trideoxy-4-O-propanoyl- $\alpha$ -L-lyxo-hexapyranosyl)daunomicinone.  
*Chem Pharm. Bulletin*, 2000, **48**, 611-614.
64. H. SKALTSA, P. BERMEJO, D. LAZARI, A.M. SILVAN, A.L. SKALTSOUNIS, A. SANZ,  
Inhibition of Prostaglandin E2 and Leukotriene C4 in Mouse Peritoneal Macrophages and Thromboxane B2 Production in Human platelets by Flavonoids from *Stachys crysantha* and *stachys candida*.  
*Biol. Pharm. Bull.*, 2000, **23**, 47-53.
65. K. GHIRTYS, N. POULI, P. MARAKOS, A.L. SKALTSOUNIS, S. LEONCE, D. GAIGNARD, and G. ATASSI  
Synthesis and Conformational analysis of some new Pyrano[2,3-c]Xanthen-7-one and Pyrano[3,2-b]xanthenon-6-one Derivatives with Cytotoxic Activity.  
*Heterocycles*, 2000, **53**, 93-106.
66. S. KARKABOUNAS, M. MALAMAS, D. ASSIMAKOPOULOS, A.L. SKALTSOUNIS, S. LEONCE, J. ZELOVITIS, D. STEFANO, and A. EVANGELOU  
Antiproliferative and anticarcinogenic effects of an aqueous preparation of *Abies alba* and *Viscum album* subsp *abies* on L1210 malignant cell line and induced tumor in wistar rats.  
*Anticancer Research* 2000, **20**, 4391-4396.
67. N. FOKIALAKIS, P. MAGIATIS, A.L. SKALTSOUNIS, F. TILLEQUIN, T. SEVENET  
The structure of Sarcomejine: An Application of Long-Range 1H-15N Corellation at Natural Abundance.  
*J. Nat. Prod.*, 2000, **63**, 1004-1005.
68. M. HALABALAKI, N. ALIGIANNIS, Z. PAPOUTSI, S. MITAKU, P. MOUSATSOU, C. SEKERIS, and A.L. SKALTSOUNIS  
Three new Arylbenzofurans from *Onobrychis Ebenoides* and Evaluation of their Binding affinity with estrogen Receptor.  
*J. Nat. Prod.*, 2000, **63**, 1672-1674.
69. S. KOULOCHERI, P. MAGIATIS, A.L. SKALTSOUNIS, S. HAROUTOUNIAN  
Stereoselective Michael Addition of Amino Acids, Thiophenols and Hydrazoic Acid to (2S)-Hydroxymethyl-dihydropyridone as a Convenient Route to Novel Azasugar Derivatives.  
*Tetrahedron*, 2000, **56**, 6135-6141.

70. I. KOSTAKIS, K. GHIRTIS, N. POULI, P. MARAKOS, A.L. SKALTSOUNIS, S. LEONCE, G. ATASSI, D. H. GAIGNARD  
Synthesis and Cytotoxic Activity of 2-dialkylaminoethylamino substituted xanthenone and thioxanthenone derivatives  
*Il Farmaco*, 2000, **55**, 455-460.
71. N. FOKIALAKIS, P. MAGIATIS, A.L. SKALTSOUNIS, F. TILLEQUIN, T. SEVENET.  
Megistolactone a new alkaloid from *Sarcomelicope megistophylla*  
*Naturf C.*, 2000, **55c**, 874-876.
72. E. KALPOYTZAKIS, N. ALIGIANNIS, S. MITAKOY, I. CHINOY, and A.L SKALTSOUNIS  
*Cistus creticus*: Source of Natural and Hemisynthetic Antimicrobial Labdane type Diterpenoids  
*Naturf C.*,2001, **56c**, 49-52.
73. P. MAGIATIS, A. MICHAELAKIS, A.L. SKALTSOUNIS, S. HAROUTOUNIAN  
Secondary metabolite content of the essential oil of callus cultures of *Chamomila recutita* L.  
*Nat. Prod. Letters*, 2001, **15**, 125-130
74. K. GHIRTIS, N. POULI, P. MARAKOS, A.L. SKALTSOUNIS, S. LEONCE, G. ATASSI  
Design and Synthesis of Some New Pyranoxanthenones with Cytotoxic Activity  
*J. Heteroc. Chem.*, 2001, **38**, 147-152.
75. KYRIAKOPOULOY, P MAGIATIS, AL SKALTSOUNIS, N ALIGIANNIS, C HARVALA  
Samioside, a phenylethanoid glycoside with radical scavenging activity from *Phlomis samia*  
*J. Nat. Prod.*, 2001, **64**, 1095-1097
76. E. MELIOY, P. MAGIATIS S. MITAKU, A.L. SKALTSOUNIS, A. PIERRE, G. ATASSI  
2,2-Dimethyl-2*H*-anthra[2,3-*b*]pyran-6,11-diones: A new class of cytotoxic compounds  
*Bioorganic and Medicinal Chemistry*, 2001, **9**, 607-612.
77. Y. RANARIVELO, P. MAGIATIS, A. L. SKALTSOUNIS, F. TILLEQUIN  
Selective Amination of Secoiridoid Glycosides into Monomeric Pyridine, Dimeric Pyridine, and Naphthyridine Alkaloids  
*Nat. Prod. Letters*, 2001, **15**, 131-137..
78. P. MAGIATIS, H. PRATSINIS, E. KALPOUTZAKIS, A. KONSTANTINIDOU, P. DAVARIS, and A. L. SKALTSOUNIS  
Hydrolyzable Tannins, the Active Constituents of Greek *Cytinus* Taxa against Several Tumor Cell Lines  
*Biol. Pharm. Bull.*, 2001, **24**, 707-709.
79. E. KALPOUTZAKIS, N. ALIGIANNIS, S. MITAKOU, I. CHINOY, C. HARVALA, A. L. SKALTSOUNIS  
New Hemisynthetic Manoyl Oxide Derivatives With Antimicrobial Activity  
*Chem Pharm. Bulletin*, 2001, **49**, 814-817.
80. P. KOTSOS, N. ALIGIANNIS, S. MITAKOY, A. L. SKALTSOUNIS, C. HARVALA  
Stachyspinoside, a new flavonoid glycoside from *Stachys spinosa*  
*Nat. Prod. Letters*, 2001, **15**, 377-386..
81. K. KASIOTIS, P. MAGIATIS, H. PRATSINIS, A. L. SKALTSOUNIS, V. ABADJI, A. CHARALAMBOUS, P. MOUTSATSOU, S. HAROUTOUNIAN  
Synthesis and Biological Evaluation of Novel Daunorubicin-Estrogen Ccnjugates  
*Steroids*,2001, **66**, 785-791.
82. N. FOKIALAKIS, P. MAGIATIS, A. TERZIS, F. TILLEQUIN, A. L. SKALTSOUNIS  
Cyclomegistine, the first alkaloid with the new cyclobuta[*b*]quinoline ring system from *Sarcomelicope megistophylla*  
*Tetrahedrom Letters*, 2001, **42**, 5323-5325.
83. I. KOSTAKIS, N. POULI, P. MARAKOS, E. MIKROS, A.L. SKALTSOUNIS, S. LEONCE, G. ATASSI, P. RENARD  
Synthesis, Cytotoxic Activity, NMR Study and Stereochemical Effects of some new Pyrano[3,2-*b*]thioxanthen-6-ones and Pyrano[2,3-*c*]thioxanthen-6-ones.  
*Bioorganic and Medicinal Chemistry*, 2001, **9**, 2793-2802.
84. P. MAGIATIS , S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN  
1-Oxo-2-hydroxy-1,2-dihydroacronycine: A useful Synthon in the Acronycine Series for the introduction of a amino substituents at 6-position  
*Chem Pharm. Bulletin*, 2001, **49**, 1304-1307.
85. E. PERCHELLET, B. SPERFSLAGE, C. McILVAIN, N. ALIGIANNIS, N. POULI, P.

- MARAKOS, A. L. SKALTSOUNIS, J. P. PERCHELLET  
Antileukemic Activity of Synthetic Daunomycinone Derivatives Bearing Modifications in the Glycosidic Moiety  
*Anticancer Research.*, 2001, **21**, 3957-3968.
86. P. POLYCHRONOPOULOS, P. MAGIATIS, A. L. SKALTSOUNIS, F. TILLEQUIN, E. VARDALA-THEODOROU, A. TSARBOPOULOS  
Homarine, a common metabolite in edible Mediterranean molluscs: Repartition, spectral data and revision of a related structure  
*Nat. Prod. Letters*, 2001, **15**, 411-418.
87. PARASXOS, P. MAGIATIS, E. KALPOUTZAKIS, C. HARVALA, A.L. SKALTSOUNIS  
Three new dihydroisocoumarins from *Scorzonera cretica*  
*J. Nat. Prod.*, 2001, **64**, 1585-1587.
88. V.PAPANDREOU, P. MAGIATIS, I. CHINO, E. KALPOUTZAKIS, A. TSARBOPOULOS, A. L. SKALTSOUNIS  
Volatile constituents with antimicrobial activity from the roots of three Greek *Paeonia taxa*  
*J. Ethnopharmacology*, 2002, **81**, 101-104.
89. P. MAGIATIS, A. L. SKALTSOUNIS, I. CHINO, S. A. HAROUTOUNIAN  
*In-vitro* antimicrobial activity and chemical composition of the essential oils of three Greek *Achillea species*  
*Naturf C.*, 2002, **57**, 287-290.
90. N. ALIGIANNIS, N. POULI, P. MARAKOS, A. L. SKALTSOUNIS, J. C. FLORENT, E.PERCHELLET, B. SPERFSLAGE, C. McILVAIN, J. P. PERCHELLET  
Preparation and Cytotoxic Activity of some new Rhodomycin Derivatives bearing modifications in the Sugar Moiety  
*J. Antibiotics*, 2002, **55**, 181-190.
91. E. SEGUIN, A. ELORMI, P. MAGIATIS, A.L. SKALTSOUNIS, L.R. CHAO, F. TILLEQUIN  
Synthesis, Dimerization, and Biological Activity of Hexaoxygenated Chalcones Related to Calythrospin and Combrestatins  
*Nat. Prod. Letters*, 2002, **16**, 187-193.
92. V. PAPANDREOU, P. MAGIATIS, E. KALPOUTZAKIS, A. L. SKALTSOUNIS  
Paeonicluside, a New Salicylic Glycoside from the Greek endemic species *Paeonia clusii*  
*Naturf C.*, 2002, **57**, 235-238.
93. . SAHPAZ, A. L. SKALTSOUNIS, F. BAILLEUL  
Polyphenols from *Ballota acetobulosa*  
*Biochem. Syst. Ecology*, 2002, **30**, 601-604.
94. P. MAGIATIS , A.L. SKALTSOUNIS, F. TILLEQUIN, E. SEGUIN, J-P. COSSON  
Coelobillardin, an iridoid glucoside dimmer from *Coelosperum billardieri*  
*Phytochemistry*, 2002, **60**, 415-418.
95. S. PASI, N. ALIGIANNIS, I. CHINO, A. L. SKALTSOUNIS  
A new lignan-glycoside and other constituents from *Cephalaria ambrosioides*  
*Nat. Prod. Letters*, 2002, **16**, 365-370.
96. E. HARVALA, N.ALIGIANNIS, I. CHINO, A. L SKALTSOUNIS, H. PRATSINIS, G. LAMRINIDIS, C. HARVALA  
Cytotoxic germacranolides from *Inula verbascifolia subsp. methanea*  
*J. Nat. Prod.*, 2002, **65**, 1045-1048.
97. I. KOSTAKIS, P. MAGIATIS, N. POULI, P. MARAKOS, A.L. SKALTSOUNIS, H. PRATSINIS, S. LEONCE, A. PIERRE  
Design, Synthesis, and antiproliferative activity of some new Pyrazole fused aminoderivatives of the pyranoxanthenone, pyranothioxanthenone and pyranoacridone ring systems: A new class of cytotoxic agents  
*J. Med. Chem.* 2002, **45**, 2599-2609.
98. S. KOULOCHERI, P. MAGIATIS, A.L. SKALTSOUNIS, S. HAROUTOUNIAN  
Assymmetric synthesis of (2R, 3S)-3-hydroxypipercolic acid-d-lactam derivatives  
*Tetrahedron*, 2002, **58**, 6665-6671.
99. G. KOLOKYTHAS, I. KOSTAKIS, N. POULI, P. MARAKOS, A. L. SKALTSOUNIS, H. PRATSINIS  
Design and synthesis of some new pyranoxanthenone aminoderivatives with cytotoxic activity

- Bioorganic and Medicinal Chemistry*, 2002, 12, 1443-1446.
100. N. ALIGIANNIS, N. POULI, P. MARAKOS, A. L. SKALTSOUNIS, H. PRATSINIS  
Synthesis and Cytotoxic Activity of a New Potent Daunomycinone Derivative  
*Bioorganic and Medicinal Chemistry*, 2002, 12, 3505-3507.
101. F. MICHELIS, E. TILIGADA, H. SKAL TSA, D. LAZARI, L. SKALTSOUNIS, A. DELITHEOS  
Effects of the flavonoid pillon isolated from *Marrubium cylleneum* on mitogen-induced lymphocyte transformation  
*Pharmaceutical Biology* 2002, 40, 245-248.
102. A. PAPALEXANDROU, P. MAGIATIS, D. PERDETZOGLOU, A. L. SKALTSOUNIS, I. CHINOU, C. HARVALA  
Iridoids from *Scabiosa variifolia* Growing in Greece  
*Biochem. Syst. Ecology* 2003, 31, 91-93.
103. E. MELLIU, P. MAGIATIS, A. L. SKALTSOUNIS  
Alkylresorcinol Derivatives and Sesquiterpene Lactones from *Cihorium Spinosum*  
*J. Agr. Food Chem.* 2003, 51, 1289-1292.
104. E. KALPOYTZAKIS, N. ALIGIANNIS, A. L. SKALTSOUNIS, S. MITAKU  
Cis-Clerodane Type Diterpenes from *Cistus Monspeliensis*  
*J. Nat. Prod.*, 2003, 66, 316-319.
105. O. KRETSI, N. ALIGIANNIS, A. L. SKALTSOUNIS, I. CHINOU  
Pyrrolizidine alkaloids from *Onosma leptantha* (Boraginaceae)  
*Helv. Chim. Acta*, 2003, 86, 3136-3140.
106. C. PANAGOULEAS, H. SKAL TSA, D. LAZARI, A. L. SKALTSOUNIS, M. SOKOVIC  
Antifungal Activity of Secondary Metabolites of *Centaurea raphanina* Mixta, Growing Wild in Greece  
*Pharmaceutical Biology* 2003, 41, 266-270.
107. C. KUHN, A. L. SKALTSOUNIS, C. MONNERET, J. C. FLORENT  
Domino aza-Claisen/Mannich cyclization reaction from a chiral alpha-alkoxy enamine or sequential alkylation of an alpha-alkoxy ester enolate or nitrile anion, followed by an intramolecular Wittig reaction: Two (3+2) annulation routes to homochiral 4-alkyl-4-hydroxy-2-cyclopentenone synthesis  
*Eur. J. Org. Chem.* 2003, 14, 2585-2595.
108. L. MEIJER, A. L. SKALTSOUNIS, P. MAGIATIS, P. POLYCHRONOPOULOS, M. KNOCKAERT, M. LEOST, X. P. RYAN, C. A. VONICA, A. BRIVANLOU, R. DAJANI, C. CROVACE, C. TARRICONE, A. MUSACCHIO, S. M. ROE, L. PEARL, P. GREENGARD  
GSK-3 selective inhibitors derived from Tyrian purple indirubins  
*Chem. Biol.* 2003, 10, 1255-1266.
109. G. KAZANTZOGLOU, P. MAGIATIS, A. L. SKALTSOUNIS, G. PANOUTSOPOULOS  
Dorycnioside, a new phenylbutanone glucoside from *Dorycnium pentaphyllum*  
*Naturf. C*, 2004, 59, 23-26.
110. N. SATO, L. MEIJER, L. SKALTSOUNIS, P. GREENGARD, A. H. BRIVANLOU  
Maintenance of pluripotency in human and mouse embryonic stem cells through activation of Wnt signaling by a pharmacological GSK-3-specific inhibitor.  
*Nature Medicine* 2004, 10, 55-63.
111. P. POLYCHRONOPOULOS, P. MAGIATIS, L. SKALTSOUNIS, V. MYRIANTHOPOULOS, E. MIKROS, A. TARRICONE, A. MUSACCHIO, M. ROE, L. PEARL, M. LEOST, P. GREENGARD, L. MEIJER  
Structural basis for the synthesis of indirubins as potent and selective inhibitors of glycogen synthase kinase -3 and cyclin-dependent kinases  
*J. Med. Chem* 2004, 47, 935-946.
112. M. KNOCKAERT, M. BLONDEL, S. BACH, M. LEOST, C. ELBI, G. L. HAGER, S. R. NAGY, D. HAN, M. DENISON, M. FFRENCH, X. P. RYAN, P. MAGIATIS, P. POLYCHRONOPOULOS, P. GREENGARD, A. L. SKALTSOUNIS, L. MEIJER,  
Independent actions on cyclin-dependent kinases and aryl hydrocarbon receptor mediate the antiproliferative effects of indirubins  
*Oncogene* 2004, 23, 4400-4412.
113. N. FOKIALAKIS, G. LAMBRINIDIS, D. MITSIOU, N. ALIGIANNIS, S. MITAKOU, A. L. SKALTSOUNIS, H. PRATSINIS, E. MIKROS AND M. ALEXIS  
A New Class of Phytoestrogens: Evaluation of the Estrogenic Activity of deoxybenzoins.  
*Chem. Biol.* 2004, 11, 397-406.



114. K. GRAIKOU, N. ALIGIANNIS, A.L. SKALTSOUNIS, I. CHINO, S. MICHEL, F. TILLEQUIN, M. LITAUDON  
New Diterpenes from *Croton insularis*  
**J. Nat. Prod.**, 2004, **67**, 685-688.
115. K. ATHANASSAS, P. MAGIATIS, N. FOKIALAKIS, A.L. SKALTSOUNIS, H. PRATSINIS, D. KLETSAS  
Hyperjovinols A and B: two new phloroglucinol derivatives from *Hypericum jovis* with antioxidant activity in cell cultures.  
**J. Nat. Prod.**, 2004, **67**, 973-977.
116. C. PUEL, A. QUINTIN, A. AGALIAS, J. MATHIEY, C. OBLED, A. MAZUR, M. J. DAVICCO, P. LEBECQUE, A. L. SKALTSOUNIS, V. COXAM  
Olive oil and its main phenolic micronutrient (oleuropein) prevent inflammation-induced bone loss in the ovariectomised rat  
**Brit. J. Nutrition** 2004, **92**, 119-127.
117. F. HANAWA, N. FOKIALAKIS, A. L. SKALTSOUNIS  
Photo-Activated DNA binding and antimicrobial activities of furoquinoline and pyranoquinolone alkaloids from Rutaceae  
**Planta Medica** 2004, **70**, 531-535
118. K. GRANT, M. DUNION, V. YARDLEY, A. L. SKALTSOUNIS, D. MARKO, G. EISENBRAND, S. CROFT, L. MEIJER, J. MOTTRAM  
Inhibition of *Leishmania mexicana* CRK3 Cyclin-Dependent Kinase: Chemical Library Screen and Antileishmanial Activity  
**Antimicrobial Agents Chemother.**, 2004, 3033-3042.
119. S. DUENSING, A. DUENSING, D. LEE, K. EDWARDS, S. PIBOONNIYOM, E. MANUEL, A. L. SKALTSOUNIS, L. MEIJER, K. MÜNGER  
The cyclin-dependent kinase inhibitor indirubin-3'-oxime inhibits human papillomavirus type 16 E7-induced numerical centrosome anomalies  
**Oncogene** 2004, **23**, 8206-8215.
120. E. MELLIOU, P. MAGIATIS, S. MITAKOU, A. L. SKALTSOUNIS, E. CHINO, I. CHINO  
Natural and synthetic 2,2-Dimethylpyranocoumarins with Antibacterial Activity  
**J. Nat. Prod.**, 2005, **68**, 78-82.
121. R. GROUNET, P. MAGIATIS, N. FOKIALAKIS, S. MITAKU, A.L. SKALTSOUNIS, F. TILLEQUIN, T. SEVENET, M. LITAUDON  
Koniamborine, the first pyrano[3,2-b]indole alkaloid and other secondary metabolites from *Boronella koniambiensis*  
**J. Nat. Prod.**, 2005, **68**, 1083-1086.
122. K. GRAIKOU, N. ALIGIANNIS, A.L. SKALTSOUNIS, I. CHINO, S. MICHEL, F. TILLEQUIN, M. LITAUDON  
Chemical constituents from *Croton insularis*  
**Helv. Chim. Acta**, 2005, **88**, 2654-2660.
123. I. KOSTAKIS, R. TENTA, N. POULI, P. MARAKOS, A-L. SKALTSOUNIS, H. PRATSINIS, D. KLETSAS  
Design, synthesis, and antiproliferative activity of some novel aminosubstituted xanthenones, able to overcome multidrug resistance toward MES-SA/Dx5 cells  
**Bioorganic and Medicinal Chemistry Letters**, 2005, **15**, 5057-5060.
124. J. LEKAKIS, L. RALLIDIS, I. ANDREADOU, G. VAMVAKOU, G. KAZANTZOGLOU, P. MAGIATIS, A. L. SKALTSOUNIS, D. KREMASTINOS  
Polyphenolic compounds from red grapes acutely improve endothelial function in patients with coronary heart disease  
**Eur. J. Cardiovasc. Prev. R.** 2005, **12**, 596-600.
125. M. HALABALAKI, X. ALEXIS, N. ALIGIANNIS, G. LAMBRINIDIS, H. PRATSINIS, I. FLORENTIN, S. MITAKU, E. MIKROS, A.L. SKALTSOUNIS, M. ALEXIS  
Estrogenic activity of isoflavonoids from *Onobrychis ebenoides*  
**Planta Medica** 2006, **72**, 488-493.
126. KOSTAKIS, N. POULI, P. MARAKOS, A-L. SKALTSOUNIS, H. PRATSINIS, D. KLETSAS

Design and synthesis of novel amino-substituted xanthenones and benzo[b]xanthenones: Evaluation of their antiproliferative activity and their ability to overcome multidrug resistance toward MES-SA/Dx5 cells

*Bioorganic and Medicinal Chemistry*, 2006, **14**, 2910-2934

127. N. FOKIALAKIS, W. OSBRINK, L. K. MAMONOV, N. G. GEMEJIEVA, A. B. MIMS, A. L. SKALTSOUNIS, A. R. LAX, C. L. CANTRELL  
Antifeedant and toxicity effect of thiophenes from four *Echinops* species against the Formosan subterranean termite, *Coptotermes formosanus*  
*Pest Management Science*, 2006, **62**, 832-838.
128. N. FOKIALAKIS, C. CANTRELL, S. O. DUKE, A. L. SKALTSOUNIS, D. E. WEDGE  
Antifungal Activity of Thiophenes from *Echinops ritro*  
*J. Agr. FoodChem.*, 2006, **54**, 1651-1654
129. J. RIBAS, K. BETTAYEB, Y. FERANDIN, M. KNOCKAERT, F. TOTZKE, C. SCHÄCHTELE, J. MESTER, P. POLYCHRONOPOULOS, P. MAGIATIS, L. SKALTSOUNIS, J. BOIX, L. MEIJER  
7-bromo-indirubins induce caspase-independent cell death  
*Oncogene*, 2006, **25**, 6304-6318.
130. ANDREADOU, E. ILIODROMITIS, A. AGALIAS, E. BOFILIS, A. ZOGA, M. CONSTANTINO, P. MAGIATIS, E. MIKROS, A. L. SKALTSOUNIS, D. KREMASTINOS  
Cardioprotective effect of a natural olive product, oleuropein, in normal and hypercholesterolemic rabbits  
*Journal of Nutrition*, 2006, **136**, 2213-2219.
131. E. M. PERCHELLET, M. WARD, A.-L. SKALTSOUNIS, I. KOSTAKIS, N. POULI, P. MARAKOS, J.-P. PERCHELLET  
Antiproliferative pyranoxanthenones, pyranothioxanthenones, and their pyrazolefused derivatives, inhibit nucleoside transport and DNA synthesis and induce cytochrome *c* release, caspase-2, -3 and -9 activities, poly (ADP-ribose) polymerase-1 cleavage and apoptotic DNA fragmentation in HL-60 cells  
*Anticancer Research*, 2006, **26**, 2791-2804.
132. KARAPANAGIOTIS, V. VILLEMEREUIL, P. MAGIATIS, P. POLYCHRONOPOULOS, K. VOUGOGIANOPOULOU, A.-L. SKALTSOUNIS  
Identification of the coloring constituents of four natural indigoid dyes  
*J. Liq. Chrom. & Relat. Technol.*, 2006, **29**, 1491-1502.
133. Y. FERANDIN, M. KRITSANIDA, K. BETTAYEB, O. LOZACH, P. POLYCHRONOPOULOS, P. MAGIATIS, A.-L. SKALTSOUNIS, L. MEIJER  
3', 7-substituted indirubins, a new class of cell death -inducing agents  
*J. Med. Chem.*, 2006, **49**, 4638-4649.
134. F. BAZOTI, E. GIKAS, A.-L. SKALTSOUNIS, A. TSARBOPOULOS  
Development of a Liquid Chromatography Electrospray Tandem Mass Spectrometry (LC-ESI MS/MS) Method for the Quantification of Bioactive Substances present in Olive Oil Mill Waste Waters  
*Analytica Chem. Acta*, 2006, **573**, 258-266.
135. N. FOKIALAKIS, E. KALPOUTZAKIS, B. L. TEKWANI, A. L. SKALTSOUNIS, S. O. DUKE  
Antileishmanial Activity of natural diterpens from *Cistus sp.* and semisynthetic derivatives thereof.  
*Biol. Pharm. Bull.*, 2006, **29**, 1775-1778.
136. C. PUEL, J. MATHIEY, A. AGALIAS, S. KATI-COULIBALY, J. MARDON, C. OBLED, M. J. DAVICCO, P. LEBECQUE, M. N. HORCAJADA, A. L. SKALTSOUNIS, V. COXAM  
Dose-response study of effect of oleuropein, an olive oil polyphenol, in an ovariectomy/inflammation experimental model of bone loss in rat  
*Clinical Nutrition*, 2006, **25**, 859-868.
137. R. GROUGNET, P. MAGIATIS, S. MITAKOU, A.-L. SKALTSOUNIS  
New Lignans from the Perisperm of *Sesamum indicum*  
*J. Agr. FoodChem.*, 2006, **54**, 7570-7574.
138. M. KRITSANIDA, P. MAGIATIS, A. L. SKALTSOUNIS, J. STABLES  
Phytochemical investigation and anticonvulsant activity of *Paeonia parnassica* Radix  
*Nat. Prod. Comm.* 2007, **2**, 351-356
139. S. PARASCHOS, P. MAGIATIS, S. MITAKOU, K. PETRAKI, A. KALLIAROPOULOS, P. MARAGOUDAKIS, A. MENTIS, D. SGOURAS, A.-L. SKALTSOUNIS  
*In vitro* and *in vivo* activity of Chios mastic gum extracts and constituents against *Helicobacter pylori*  
*Antimicrobial Agents Chemother.*, 2007, **51**, 551-559.

140. N.FOKIALAKIS, E KALPOUTZAKIS., B. L TEKWANI, S. I KHAN, M.KOBAISY, A. L. SKALTSOUNIS, S. O.DUKE  
Evaluation of the Antimalarial and Antileishmanial Activities of Plants from the Greek island Crete  
*J. Nat. Med.*, 2007, 38-45
141. D. STAGOS, T. UMSTEAD, D. PHELPS, A. L. SKALTSOUNIS, S. HAROUTINIAN, J. FLOROS, D. KOURETAS  
Inhibition of ozone-induced SP-A oxidation by plant polyphenols  
*Free radical Research*, 2007, **41**, 357-366.
142. E. KATSANOY, M. HALAMBALAKI, N. ALIGIANNIS, S. MITAKOU, A. L. SKALTSOUNIS, X. ALEXI, H. PRATSINIS, M. N. ALEXIS  
Cytotoxic effects of 2-arylbenzofuran phytoestrogens on human cancer cells: Modulation by adrenal and gonadal steroids.  
*J. Steroid Biochem Mol Biol.*, 2007, **104**, 228-236.
143. C. PUEL, J. MATHIEY, A. AGALIAS, S. KATI-COULIBALY, J. MARDON, C. OBLED, M. J. DAVICCO, P. LEBECQUE, M. N. HORCAJADA, A. L. SKALTSOUNIS, V. COXAM  
Black lucques olives prevented bone losses caused by ovariectomy and talc granulomatosis in rats  
*Brit. J. Nutrition*, 2007, **97**, 1012-1020.
144. AGALIAS, P. MAGIATIS, A.-L. SKALTSOUNIS, E. MIKROS, A.TSARBOPOULOS, E. GIKAS, I. SPANOS,T. MANIOS  
A new process for the management of olive oil mill waste water, recovering natural antioxidants  
*J. Agr. FoodChem.*, 2007, **55**, 2671-2676.
145. V. MYRIANTHOPOULOS, P. MAGIATIS, A.L SKALTSOUNIS, Y. FERANDIN, L. MEIJER, E.MIKROS  
An integrated computational approach to the phenomenon of potent and selective inhibition of Aurora kinases B and C by a series of 7- substituted indirubins."  
*J. Med. Chem* 2007, **50**, 4027-4037.
146. K. GERGOPOULOU, D. SMIRLIS, S. BISTI, E. XINGI, L. SKALTSOUNIS, K. SOTERIADOU  
In vitro Activity of 10-Deacetyllobaccatin III against Leishmania donovani Promastigotes and Intracellular Amastigotes  
*Planta Medica*, 2007, **73**, 1081-1088.
147. T. HENNEBELLE, S. SAHPAZ, A.L. SKALTSOUNIS, F. BAILLEUL  
Phenolic compounds and diterpenoids from *Marrubium peregrinum*  
*Biochem. Syst. Ecology*, 2007,**35**, 624-626.
148. C. SPANOU, D. STAGOS, L. TOUSIAS, A. ANGELIS, N. ALIGIANNIS, A. L. SKALTSOUNIS, D. KOURETAS  
Assesment of antioxidant activity of extracts from unique Greek varieties of Leguminosae plants using in vitro assays  
*Anticancer Research*, 2007, **27**, 3403-3410.
149. A. BERTHIER, C. GIRARD, A. GRANDVAILLEMIN, F. MUYARD, A. L. SKALTSOUNIS, M. JUVENOT, R. DELAGE-MOURROUX  
Effect of 7-Omicron-beta-D-glucopyranosylchrysin and its aglycone chrysin isolated from *Podocytisus caramanicus* on estrogen receptor alpha transcriptional activity.  
*Planta Medica*. 2007, **73**, 1447-1451.
150. Z. PAPOUTSI, E. KASSI, I. CHINOU, M. HALAMBALAKI, A.L. SKALTSOUNIS, P. MOUTSATSOU  
Walnut extract (*Juglans regia* L.) and its component ellagic acid exhibit anti-inflammatory activity in human aorta endothelial cells and osteoblastic activity in the cell line KS483.  
*Brit. J. Nutrition*, 2008, **99**, 715-722.
151. G. GAITANIS, P. MAGIATIS, K. STATHOPOULOU, I. D. BASSUKAS, E. C. ALEXOPOULOS, A. VELEGRAKI, A.L. SKALTSOUNIS  
AhR Ligands, Malassezin, and Indolo[3,2-b]Carbazole are Selectively Produced by *Malassezia furfur* Strains Isolated from Seborrheic Dermatitis.  
*J. Invest Dermatol*. 2008, **128**, 1620-5.
152. D. OLIVIER, M.A. POINCELOT, S. DOUILLARD, C. LEFEVRE, J. MOUREAU, Y. FERANDIN, K. BETTAYED, Z. XIAO, P. MAGIATIS, L. SKALTSOUNIS, L. MEIJER, T. PATRICE  
Photoreactivity of indirubin derivatives  
*Photochem.Photobiol. Sc.*, 2008, **7**, 328-336.

153. M. KOTSOS, N. ALIGIANNIS, V. MYRIANTHOPOULOS, S. MITAKU, A.L. SKALTSOUNIS  
Sesquiterpene Lactones from *Staelina fruticosa* L.  
*J. Nat. Prod.* 2008, **71**, 847-51.
154. M. HALAMBALAKI, X. ALEXI, N. ALIGIANNIS, M. ALEXIS, A.L. SKALTSOUNIS  
Ebenfurans IV-VIII from *Onobrychis Ebenoides*: Evidence that C-prenylation is the key determinant  
of the cytotoxicity of 3-formyl-2-arylbenzofurans  
*J. Nat. Prod.* 2008, **71**, 1934-37.
155. C. SPANOU, G BOUROU, A. DERVISHI, N. ALIGIANNIS, A. ANGELIS, D. KOMIOTIS, A-L.  
SKALTSOUNIS, D. KOURETAS  
Antioxidant and chemopreventive properties of polyphenolic compounds derived from Greek legume  
plant extracts.  
*J. Agr. Food Chem.* 2008, **56**, 6967-76.
156. K. VOUGOGIANNOPOULOU, Y. FERANDIN, K. BETTAYEB, V. MYRIANTHOPOULOS, O.  
LOZACH, Y. FAN, C. H. JOHNSON, P. MAGIATIS, A.-L. SKALTSOUNIS, E. MIKROS, L.  
MEIJER  
Soluble 3',6-substituted indirubins with enhanced selectivity towards glycogen synthase kinase-3  
*J. Med. Chem.* 2008, **51**, 6421-31.
157. C. PUEL, J. MARDON, A. AGALIAS, MJ DAVICCO, P. LEBECQUE, A. MAZUR, MN  
HORCAJADA, A-L. SKALTSOUNIS, V. COXAM  
Major Phenolic Compounds in Olive Oil Modulate Bone Loss in an Ovariectomy/Inflammation  
Experimental Model.  
*J. Agric Food Chem.* 2008, **56**, 9417-22.
158. EN.PAPADAKIS, D. LAZAROU, R. GROUGNET, P. MAGIATIS, A-L. SKALTSOUNIS, E.  
MOURKIDOU, AI. PAPAPOPOULOS  
Effect of the form of the sesame-based diet on the absorption of lignans.  
*Br. J. Nutr.* 2008, **100**, 1213-9.
159. S. PASI, N. ALIGIANNIS, H. PRATSINIS, AL. SKALTSOUNIS, IB. CHINO  
Biologically active triterpenoids from *Cephalaria ambrosioides*.  
*Planta Medica.* 2009, **75**, 163-7.
160. G. KAZANTZOGLOU, P. MAGIATIS, E. KALPOUTZAKIS, AL. SKALTSOUNIS  
Polygonophenone, the First MEM-Substituted Natural Product, from *Polygonum maritimum*.  
*J. Nat. Prod.* 2009, **72**, 187-89.
161. E. MELLIU, A. MICHELAKIS G. AL. SKALTSOUNIS, P. MAGIATIS  
High quality bergamot oil from Greece: Chemical analysis using chiral gas chromatography and  
larvicidal activity against the West Nile virus vector  
*Molecules*, 2009, **14**, 830-49.
162. E. XINGI, D. SMIRLIS, S. BISTI, V. MYRIANTHOPOULOS, P. MAGIATIS, K. GRANT, L.  
MEIJER, E. MIKROS, A. L. SKALTSOUNIS, K. SOTIRIADOU  
Indirubins as potent and selective inhibitors of the protozoan parasite *Leishmania donovani*: *Leishmania*  
Glycogen Synthase Kinase-3b, a putative target of 6-bromo and 5-bromo substituted indirubins  
*Int. J. Parasitol.* 2009, **39**, 1289-03.
163. L. VALIANOU, K. STATHOPOULOU, I. KARAPANAGIOTIS, P. MAGIATIS, AL.  
SKALTSOUNIS, Y. CHRYSSOULAKIS  
"Phytochemical analysis of young fustic (*Cotinus coggygria* heartwood) and identification of isolated  
colorants in historical textiles.  
*Analyt. Bioanalyt. Chem.* 2009, **394**, 871-82.
164. I. ANDREADOU, M. PAPAETHIMIOU, A. ZIRA, M. CONSTANTINO, F. SIGALA, AL.  
SKALTSOUNIS, A. TSANTILI, E.K. ILIODROMITIS, D.T. KREMASTINOS, E. MIKROS  
Metabonomic identification of novel biomarkers in doxorubicin cardiotoxicity and protective effect of  
the natural antioxidant oleuropein  
*NMR Biomed.* 2009, **22**, 585-92.
165. T. TITE, N. LOUGIAKIS, AL. SKALTSOUNIS, P. MARAKOS, N. POULI, R. TENTA, J.  
BALZARINI  
The application of Mitsunobu Cyclization for the synthesis of 2',3'-Dideoxy-C-Nucleosides designed  
as didanosine analogues  
*Synlett* 2009, 1741-44.

166. S. DJIOGUE, M. HALABALAKI, X. ALEXI, D. NJAMEN, Z. T. FOMUM, M. ALEXIS, AL. SKALTSOUNIS  
Isoflavonoids from *Erythrina poeppigiana* O. F. Cook: Evaluation of Their Binding Affinity for the Estrogen Receptor  
*J. Nat. Prod.* 2009, **72**, 1603-7.
167. M. KRITSANIDA, P. MAGIATIS, AL SKALTSOUNIS, Y. PENG, P. LI, LP WENNOGLE  
Synthesis and antiproliferative activity of 7-azaindirubin-3'-oxime, a 7-aza isostere of the natural indirubin pharmacophore.  
*J. Nat Prod.* 2009, **72**, 2199-202.
168. M. ANASTASIADI, A. ZIRA, P. MAGIATIS, S. HAROUTOUNIAN, AL. SKALTSOUNIS, E. MIKROS  
1H NMR-based metabonomics for the classification of Greek wines according to variety, region, and vintage. comparison with HPLC data  
*J. Agric Food Chem.* 2009, **57**, 11067-79.
169. RF. TCHOKOUAHA, X. ALEXI, E CHOSSON, T. BESSON, AL. SKALTSOUNIS, E. SEGUIN, MN. ALEXIS, J. WANDJI  
Erymildbraedin A and B, two novel cytotoxic dimethylpyrano-isoflavones from the stem bark of *Erythrina mildbraedii*: evaluation of their activity toward endocrine cancer cells.  
*J Enzyme Inhib Med Chem.* 2010, **25**, 228-33.
170. E. ZOIDOU, E. MELLIOU, E. GIKAS, A. TSARBOPOULOS, P. MAGIATIS, AL. SKALTSOUNIS  
Identification of Throuba Thassos, a traditional Greek table olive variety, as a nutritional rich source of oleuropein.  
*J Agric Food Chem.* 2010, **58**, 46-50.
171. A. AHMADU, A. ABDULKARIM, R. GROUGNET, V. MYRIANTHOPOULOS, F. TILLEQUIN, P. MAGIATIS, AL. SKALTSOUNIS.  
Two New Peltogynoids from *Acacia nilotica* Delile with Kinase Inhibitory Activity.  
*Planta Med.* 2010, **76**, 458-60.
172. M. ANASTASIADI, H. PRATSINIS, D. KLETSAS, AL. SKALTSOUNIS, S. HAROUTOUNIAN,  
Bioactive Polyphenols Content of Grapes, Wines and Vinification By-products of Greek Origin. Evaluation of the Antioxidant Activities of their Extracts  
*Food Res. Int.* 2010, **43**, 805-13.
173. P. MAGIATIS, P. POLYCHRONOPOULOS, AL. SKALTSOUNIS, O. LOZACH., L. MEIJER, DR. MILLER, JP. O'CALLAGHAN  
Indirubins Affect Striatal Monoamines and Block Striatal Damage in MPTP and Kainate Models  
*Neurotoxicol. & Teratol.* 2010, **32**, 212-19.
174. A. URBAIN, P. CORBEILLER, N. ALIGIANNIS, M. HALABALAKI, A-L. SKALTSOUNIS  
High-speed countercurrent chromatography and UHPLC: Two fast separative methods for the preparative isolation and the analysis of the fragrant massoia lactones  
*J. Separation Sc.* 2010, **33**, 1198-203
175. S. DJIOGUE, D. NJAMEN, M. HALABALAKI, G. KRETZSCHMAR, A. BEYER, J-C. MBANYA, A.-L. SKALTSOUNIS, G. VOLLMER  
Estrogenic Properties of Naturally Occurring Prenylated Isoflavones in U2OS Human Osteosarcoma Cells: Structure-Activity Relationships  
*J. Steroid Biochem Mol Biol.* 2010, **120**, 184-91
176. K. VOUGOGIANNOPOULOU, N. FOKIALAKIS, N. ALIGIANNIS, C. CANTRELL, AL SKALTSOUNIS.  
The raputindoles: novel cyclopentyl bisindole alkaloids from *Raputia simulans*.  
*Org Lett.* 2010, **12**, 1908-11
177. K. MARINO, K. GEORGOPOULOU, G. AGROGIANNIS, T. KARATZAS, D. ILIOPOULOS, A. PAPALOIS, A. CHATZIOANNOU, P. MAGIATIS, M. HALABALAKI, N. TSANTILA, AL. SKALTSOUNIS, E. PATSOURIS, I. DONTAS  
Differential effect of *Pistacia vera* extracts on experimental atherosclerosis in the rabbit animal model: an experimental study.  
*Lipids Health Dis.* 2010, July 16, 9: 73
178. J. HAYES, V. T. SKAMNAKI, G. ARCHONTIS, C. LAMPRAKIS, J. SARROU, N. BISCHLER, A. COOK, A.-L. SKALTSOUNIS, S. E. ZOGRAPHS, N. G. OIKONOMAKOS

Kinetics, *in silico* docking, molecular dynamics and MM-GBSA binding studies on prototype indirubins, KT5720 and staurosporine as phosphorylase kinase ATP-binding site inhibitors: the role of water molecules examined

*Proteins* 2011, **79**, 703-19

179. C. KUHN, N.E. ARAPOGIANNI, M. HALABALAKI, J. HEMPEI, N. HUNGER, J. WABER, A.L. SKALTSOUNIS, G. VOLLMER  
Constituents from *Cistus salvifolius* (cistaceae) activate Proliferator-Activated Receptor- $\gamma$  but not  $\delta$  and stimulate glucose uptake by adipocytes  
*Planta Med.* 2011, **77**, 346-53
180. R. GROUGNET, P. MAGIATIS, S. MITAKU, A.L. SKALTSOUNIS, P. CABALION, F. TILLEQUIN, S. MICHEL  
Dammarane Triterpenes from *Gardenia aubryi*  
*Helvetica Chem. Acta*, 2011, **94**, 656-61
181. K. KEHN-HALL, I. GUENDEL, L. CAPRIO, A.L. SKALTSOUNIS, L. MEIJER, L. AL-HARTHI, J.P. STEINER, A. NATH, O. KUTSCH, F. KASHANCHI  
Inhibition of Tat-mediated HIV-1 replication and neurotoxicity by novel GSK3-beta inhibitors  
*Virology* 2011, **415**, 56-68
182. K. VOUGOGIANNPOULOU, N. FOKIALAKIS, N. ALIGIANNIS, C. CANTRELL, AL. SKALTSOUNIS  
Simple Indole Alkaloids from the Neotropical Rutaceous Tree *Raputia simulans*.  
*Planta Med.* 2011, **77**, 1559-61
183. L. LIU, S. NAM, Y. TIAN, F. YANG, J. WU, Y. WANG, A. SCUTO, P. POLYCHRONOPOULOS, P. MAGIATIS, A.L. SKALTSOUNIS, R. JOVE  
6-Bromoindirubin-3'-oxime inhibits JAK/STAT3 signaling and induces apoptosis of human melanoma cells  
*Cancer Res.* 2011, **71**, 3972-79
184. A. ANGELIS, A. URBAIN, M. HALABALAKI, N. ALIGIANNIS, AL. SKALTSOUNIS  
One-step isolation of  $\gamma$ -oryzanol from rice bran oil by non-aqueous hydrostatic countercurrent chromatography.  
*J Sep Sci.* 2011, **34**, 2528-2531
185. T. MAVROMOUSTAKOS, D. NTOUNTANIOTIS, G. MALI, S. GRDADOLNIK, M. HALABALAKI, AL. SKALTSOUNIS, C. POTAMITIS, E. SIAPI, P. CHATZIGEORGIU, M. RAPPOLT  
Thermal, Dynamic and Structural Properties of Drug AT1 Antagonist Olmesartan in Lipid Bilayers  
*BBA – Biomembranes* 2011, **1808**, 2995-3006
186. M. HALABALAKI, A. URBAIN, A. PASCHALI, S. MITAKOU, AL. SKALTSOUNIS  
Quercetin and Kaempferol 3-O-[ $\alpha$ -L-rhamnopyranosyl-(1 $\rightarrow$ 2)- $\alpha$ -L-arabinopyranoside]-7-O- $\alpha$ -L-rhamnopyranosides from *Anthyllis hermanniae* L.: Structure Determination and Conformational Studies  
*J. Nat. Prod.* 2011, **74**, 1939-1945
187. M. TSELEPI, E. PAPACHRISTOU, A. EMMANOUILIDI, A. ANGELIS, N. ALIGIANNIS, AL. SKALTSOUNIS, D. KOURETAS, K. LIADAKI  
Polyphenolic compounds derived from Greek legume plant extracts exhibit catalytic inhibition of eukaryotic topoisomerases I and II.  
*J. Nat. Prod.* 2011, **74**, 2362-2370
188. N. LEMONAKIS, P. MAGIATIS, N. KOSTOMITSOPOULOS, AL. SKALTSOUNIS, C. TAMVAKOPOULOS  
Oral Administration of Chios Mastic Gum or Extracts in Mice: Quantification of Triterpenic Acids by Liquid Chromatography-Tandem Mass Spectrometry  
*Planta Med.* 2011, **77**, 1916-1923
189. S. PARASCHOS, P. MAGIATIS, P. GOUSSIA, V. ECONOMOU, H. SAKKAS, C. PAPADOPOULOU, AL. SKALTSOUNIS  
Chemical investigation and antimicrobial properties of mastic water and its major constituents  
*Food Chemistry*, 2011, **129**, 907-911
190. E. KASSI, A. PALIOGIANNI, I. DONTAS, N. ALIGIANNIS, M. HALABALAKI, Z. PAPOUTSI, A.L. SKALTSOUNIS, P. MOUTSATSOU.

- Effects of *Sideritis euboica* (lamiaceae) aqueous extract on IL-6, OPG and RANKL secretion by osteoblasts  
*Nat. Prod. Com.* 2011, **6**, 1689-1696
191. C. I. SPANOU., A.S.VESKOUKIS,,D..STAGOS,,K. LIADAKI., N.ALIGIANNIS,,A. ANGELIS, AL. ,SKALTSOUNIS, M.ANASTASIADI, S.HAROUTOUNIAN, D.KOURETAS.  
 Effects of Greek legume plant extracts on xanthine oxidase, catalase and superoxide dismutase activities  
*J. Physiol. & Biochem.* 2011, 1925-1929
192. R. GROUGNET, P. MAGIATIS,H. LABORIE, D. LAZAROU, A. PAPADOPOULOS, AL. SKALTSOUNIS  
 Sesamolol Glucoside, Disaminyl Ether, and Other Lignans from Sesame Seeds  
*J. Agric Food Chem.* 2012, **60**, 108-111
193. M. MAKROPOULOU, N. ALIGIANNIS, Z. GONOU-ZAGOU, H. PRATSINIS, AL. SKALTSOUNIS, N. FOKIALAKIS  
 Antioxidant and Cytotoxic Activity of the Wild Edible Mushroom *Gomphus clavatus*  
*J.Med. Food*2012, **15**, 216-221
194. L. M. PAPASPYRIDIS, N. ALIGIANNIS, E. TOPAKAS, P. CHRISTAKOPOULOS, AL. SKALTSOUNIS, N. FOKIALAKIS  
 Submerged fermentation of the edible mushroom *Pleurotus ostreatus* in a batch stirred tank bioreactor as a promising alternative for the effective production of bioactive metabolites.  
*Molecules.* 2012, **17**, 2714-2724
195. C. SPANOU, A.S. VESKOUKIS, T. KERASIOTI, M. KONTOU, A. ANGELIS, N. ALIGIANNIS, AL SKALTSOUNIS, D. KOURETAS  
 Flavonoid glycosides isolated from unique legume plant extracts as novel inhibitors of xanthine oxidase.  
*PLoS One.* 2012;**7**: e32214.
196. P. GRABHER, E. DURIEU, E. KOULOURA, M. HALABALAKI, AL. SKALTSOUNIS, L. MEIJER, M. HAMBURGER, O. POTTERAT  
 Library-based Discovery of DYRK1A/CLK1 Inhibitors from Natural Product Extracts.  
*Planta Med.* 2012, **78**, 951-956.
197. A.S. VESKOUKIS, A. KYPAROS, M.G. NIKOLAIDIS, D. STAGOS, N. ALIGIANNIS, M. HALABALAKI, K. CHRONIS, N. GOUTZOURELAS, AL. SKALTSOUNIS, D. KOURETAS  
 The antioxidant effects of a polyphenol-rich grape pomace extract in vitro do not correspond in vivo using exercise as an oxidant stimulus.  
*Oxid Med Cell Longev.* 2012;185867. Epub 2012 May 29.
198. E. KOULOURA, M. HALABALAKI, M.C. LALLEMAND, S. NAM, R. JOVE, M. LITAUDON, K. AWANG, H.A. HADI, AL. SKALTSOUNIS  
 Cytotoxic Prenylated Acetophenone Dimers from *Acronychia pedunculata*.  
*J. Nat. Prod.* 2012, **75**, 1270-1276.
199. M.S. CHRISTODOULOU, N. FOKIALAKIS, S. NAM, R. JOVE, A.L.SKALTSOUNIS, S. HAROUTOUNIAN .  
 Synthesis and In Vitro Biological Evaluation of Novel Pyrazole Derivatives as Potential Antitumor Agents.  
*Med Chem.* 2012, **8**, 779-788.
200. M. ANASTASIADI, H. PRATSINIS, D KLETSAS, A.L. SKALTSOUNIS, S. HAROUTOUNIAN  
 Grape stem extracts: Polyphenolic content and assessment of their *in vitro* antioxidant properties  
*Food science and technology* 2012, **48**, 316-322.
201. N. XYNOS, G. PAPAESTATHIOU, M. PSYCHIS, A. ARGYROPOULOU, N. ALIGIANNIS, A.L. SKALTSOUNIS  
 Development of a green extraction procedure with super/subcritical fluids to produce extracts enriched in oleuropein from olive leaves  
*J. Supercritical fluids* 2012, **67**, 89-93
202. A. VONTZALIDOU, G. ZOIDIS, E. CHAITA, M. MAKROPOULOU, N. ALIGIANNIS, G. LAMPRINIDIS, E. MIKROS, AL. SKALTSOUNIS  
 Design, synthesis and molecular simulation studies of dihydrostilbene derivatives as potent tyrosinase inhibitors  
 Bioorganic and Medicinal Chemistry letters,**2012**, **22**, 5523-5526

203. K. NICOLAOU, V. LIAPIS, A. EVDOKIOU, C. CONSTANTINO, P. MAGIATIS, A. L. SKALTSOUNIS, L. KOUMAS, P. COSTEAS, A. CONSTANTINO  
Induction of discrete apoptotic pathways by bromo-substituted indirubin derivatives in invasive breast cancer cells  
*Biochemical and Biophysical Res. Communications*, 2012, **425**, 76-82
204. L. LIU, M. KRITSANIDA, P. MAGIATIS, N. GABORIAUD, Y. WANG, J. WU, R. BUETTNER, F. YANG, S. NAM, AL. SKALTSOUNIS, R. JOVE  
A novel 7-bromoindirubin with potent anticancer activity suppresses survival of human melanoma cells associated with inhibition of STAT3 and Akt signaling  
*Cancer biology & therapy*, 2012, **13**, 1255-1261
205. A. Papachristoforou, A. Kagiava, C. Papaefthimiou, A. Termentzi, N. Fokialakis, AL Skaltsounis, M. Watkins, G. Arnold, G. Theophilidis  
The bite of the honeybee: 2-heptanone secreted from honeybee mandibles during a bite acts as a local anaesthetic in insects and mammals  
*PLoS One*. 2012; 10: e47432
206. M. KOSTOMOIRI, A FRAGKOULI, M. SAGNOU, L. A. SKALTSOUNIS, M. PELECANOU, E. C. TSILIBARY, A. K. TZINIA  
Oleuropein, an Anti-oxidant Polyphenol Constituent of Olive Promotes  $\alpha$ -Secretase Cleavage of the Amyloid Precursor Protein (A $\beta$ PP)  
*Cellular and Molecular Neurobiology* 2013,**33**, 147-154
207. 207 V. MYRIANTHOPOULOS, M. KRITSANIDA, N. GABORIAUD-KOLAR, P. MAGIATIS, Y. FERANDIN, E. DURIEU, O. LOZACH, D. CAPPEL, M. SOUNDARARAJAN, P. FILIPPAKOPOULOS, W. SHERMAN, S. KNAPP, L. MEIJER, E. MIKROS, A.-L. SKALTSOUNIS  
Novel inverse binding mode of indirubin derivatives yields improved selectivity for DYRK kinases  
*ACS Medicinal Chemistry Letters* 2013,**4**, 22-26
208. 208 J.D. KYRIAZIS, N. ALIGIANNIS, P. POLYCHRONOPOULOS, A.-L SKALTSOUNIS, E. DOTSIKA  
Leishmanicidal activity assessment of olive tree extracts  
*Phytomedicine* 2013,**20**,275-281
209. 209 P.MAGIATIS, P. PAPPAS, G.GAITANIS, N.MEXIA, E.MELLIYOU, M.GALANOU, C.VLACHOS, K.STATHOPOULOU, A- L. SKALTSOUNIS, M.MARSELOS, A.VELEGRAKI, M. DENISON, I. BASSUKAS  
Malassezia Yeasts Produce a Collection of Exceptionally Potent Activators of the Ah (Dioxin) Receptor Detected in Diseased Human  
*Journal of Investigative Dermatology*2013, in press
210. E.M. ODIATOU, A.L. SKALTSOUNIS, A.I. CONSTANTINO  
Identification of the factors responsible for the in vitro pro-oxidant and cytotoxic activities of the olive polyphenols oleuropein and hydroxytyrosol  
*Cancer Letters* 2013, **330**, 113-121
211. J. POLASEK, E.F.QUEIROZ, L.MARCOURT, A.K.MELIGOVA, M.HALABALAKI, A.L.SKALTSOUNIS, M.N.ALEXIS, B.PRAJOGO, J.LWOLFENDER, K.HOSTETTMANN  
Peltogynoids and 2-phenoxychromones from peltophorum pterocarpum and evaluation of their estrogenic activity  
*Planta Medica* 2013, **79**, 480-486
212. W.KUKULA-KOCH, N.ALIGIANNIS, M.HALABALAKI, A.-LSKALTSOUNIS, K.GLOWNIAK, E.KALPOUTZAKIS  
Influence of extraction procedures on phenolic content and antioxidant activity of Cretan barberry herb  
*Food Chemistry*2013, **138**, 406-413
213. E. POTHOU, E.MELLIYOU, A.-L.SKALTSOUNIS, M.LIOUNI, P. MAGIATIS  
Investigation of volatile constituents of beer, using resin adsorption and GC/MS, and correlation of 2-(3H)-benzoxazolone with wheat malt  
*J.Amer. Soc. of Brewing Chemists* 2013,**71**, 35-40
214. T.I.ROUMELIOTIS, M.HALABALAKI, X.ALEXI, D.ANKRETT, E.GIANNOPOULOU, A.-L.SKALTSOUNIS, B.S.SAYAN, M.N.ALEXIS, P.A.TOWNSEND, S.GARBIS  
Pharmacoproteomic study of the natural product Ebenfuran III in DU-145 prostate cancer cells: The quantitative and temporal interrogation of chemically induced cell death at the protein level



- Journal of Proteome Research* 2013, **12**, 1591-1603
215. J. D. TCHOUMTCHOUA, NJAMEN, J.C.MBANYA, A.-L SKALTSOUNIS, M.HALABALAKI, Structure-oriented UHPLC-LTQ Orbitrap-based approach as a dereplication strategy for the identification of isoflavonoids from *Amphimas pterocarpoides* crude extract  
*Journal of Mass Spectrometry* 2013,**48**, 561-575
216. P. KANAKIS, A. TERMENTZI, T. MICHEL, E. GIKAS M. HALABALAKI , A-L. SKALTSOUNIS  
From olive drupes to olive oil. An HPLC-Orbitrap-based qualitative and quantitative exploration of olive key metabolites  
*Planta Medica* 2013, in press
217. CF. BOSI, DW. ROSA,R GROUGNET, N LEMONAKIS, M HALABALAKI, AL SKALTSOUNIS, MW. BIAVATTI.  
Pyrrolizidine alkaloids in medicinal tea of *Ageratum conyzoides*  
*Revista Brasileira de Farmacognosia* 2013, *in press*.
218. N LEMONAKIS, E GIKAS, M HALABALAKI, AL SKALTSOUNIS  
Development and Validation of a Combined Methodology for Assessing the Total Quality Control of Herbal Medicinal Products – Application to Oleuropein Preparations  
**PLOS ONE**,2013,*in press*.
219. A KEILER, O ZIERAU, R BERNHARDT, N LEMONAKIS, A TERMETZI, L SKALTSOUNIS, G VOLLMER, MHALABALAKI  
Impact of a functionalized olive oil extract on the uterus and the bone in a model of postmenopausal osteoporosis  
**European Journal of Nutrition**, 2013, *in press*.
220. L. LIU, N. GABORIAUD, N. VOUGOGIANOPOULOU, Y.TIAN, J. WU, W.WEN, AL. SKALTSOUNIS, R.JOVE.  
MLS2384, a new 6-bromoindirubin derivative with dual JAK/Src kinase inhibitory activity, suppresses growth of diverse cancer cells.  
**Cancer Biol Ther.** 2013, *in press*