

## PERSONAL DATA

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Last name: **Fokialakis**

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## WORKING EXPERIENCE

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- **2012 – 2016** : Assistant Professor, University of Athens, Faculty of Pharmacy, Department of Pharmacognosy and Natural Products Chemistry
- **2007 – 2012** : Lecturer, University of Athens, Faculty of Pharmacy, Department of Pharmacognosy and Natural Products Chemistry
- **2006**: External collaborator (known in Greece as Lecturer 407) University of Athens, Faculty of Pharmacy, Department of Pharmacognosy and Natural Products Chemistry
- **2006-2009**: External collaborator of Benaki Phytophathological Institute.

## EDUCATION

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- **2012-2013**: Visiting Scientist (sabbatical) at CNRS, ICSN, Gif sur Yvette, France
- **2012, 2014**: Visiting Scientist (sabbatical) at Fondacion Medina, Granada , Spain
- **2004-2006**: Visiting scientist at Natural Products Utilization Research Unit, USDA/ARS, Oxford, MS, USA and in School of Pharmacy, University of Illinois at Chicago, Chicago, USA.
- **2004**: Ph.D in Pharmacognosy (Faculty of Pharmacy, University of Athens). Degree: Excellent. Ph. D. thesis title: Study of natural and semisynthetic derivatives of phytoestrogens and investigation of their interaction with the estrogen receptor”
- **2000**: M.Sc. in “Pharmacognosy of biologically active natural products” (Faculty of Pharmacy, University of Athens). Degree: Excellent
- **1998**: B.Sc. in Pharmacy (Faculty of Pharmacy, University of Athens). Degree: Very Good.

## SCHOLARSHIPS

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- **2006-2007:** Post Doctoral Scholarship of State Scholarship Foundation.
- **2005-2006:** Fellowship of OECD (Organization of Economic Co-operation and Development)
- **2001-2004:** Scholarship for a PhD from the Ministry of Foreign Affairs
- **1998-2000:** Scholarship of the “Foundation of Greeks from Egypt”
- **1993-1998:** Scholarship for undergraduate studies of the Ministry of Foreign Affairs

## AWARDS

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- **2010:** Arthur Neish Award of the Phytochemical Society of North America (PSNA)
- **2006 :** Research starter Grant of the American Society of Pharmacognosy (ASP)
- **2001:** Award for graduate studies in “Pharmacognosy of biologically active natural products”. Source: State Scholarships Foundation.
- **1999:** Travel grant of AFERP (5<sup>th</sup> Joint Meeting of ASP, GA, AFERP, PSE Amsterdam 1999)
- **1992:** 1<sup>st</sup> prize award in Lyceum. Source: Ministry of Education.

## RESEARCH EXPERIENCE

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- **2012-2013:** Natural Product Chemistry Institute, CNRS, France
- **2012, 2014:** Fundación Medina, Granada, Spain
- **2008-today:** Department of Pharmacognosy and Natural Products Chemistry, Faculty of Pharmacy, University of Athens
- **2004-2006:** Natural Products Utilization Research Unit, USDA/ARS, Oxford, MS, USA & School of Pharmacy, University of Illinois at Chicago, Chicago, USA
- **1994-2004:** Department of Pharmacognosy, Faculty of Pharmacy, University of Athens
- **1998:** Department of Pharmacognosy, Université Paris 5

## RESEARCH INTERESTS

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- Phytochemical analysis of plants of the Greek, Mediterranean and global biodiversity
- Chemical investigation of microorganisms
- Application of metabolomics on plants and microorganisms

- Biological evaluation of natural products
- Exploitation of agricultural byproducts for extracting bioactive small molecules
- Exploitation of bioactive natural products as pharmaceuticals, nutraceuticals, cosmeceuticals and biopesticides.

## TEACHING EXPERIENCE

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- 2015-today: Biotechnology for MSc students
- 2013-today: Pharmaceutical biotechnology for undergraduate students
- 2009-today: “Lab. of Pharmacognosy I” for undergraduate students
- 2007-today: “Methods of Phytochemical Analysis” for MSc students
- 2006-2008: Teaching assistant for Labs of Pharmacy students. microscopic and macroscopic identification of plant material , systematic botany, biochemistry and in isolation and identification methods on natural products research for undergraduate students
- 1998-2004: Assistant in undergraduate laboratories of Pharmacognosy I & Phamracognosy II. Training and supervision of graduate students.

## MENTORING

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- 3 PhD students as supervisor.
- 10 PhD students partially guiding and participation in their committee of examination.
- 14 Master students as supervisor.
- 6 undergraduate students as supervisor.

## LANGUAGES

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- Greek: Excellent (mother tongue)
- English: Excellent (Cambridge Proficiency in English)
- French: Very Good (Delf II)
- Arabic: Basic

## SKILLS AND QUALIFICATIONS

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Computers softwares for: general use (Microsoft Windows, Microsoft Office), databases search (Beilstein commander+Crossfire, SciFinder), HPLC system operation and data processing (ChromQuest), NMR system operation and data processing (WinNMR, MestReC, TopSpin), GC+&

LC+MS system operation and data processing (XCalibur, MassLynx, Analyst), library generation and LC+MS data processing (Mass Frontier).

## PROFESSIONAL ASSOCIATIONS

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- Society for Medicinal Plant and Natural Product Research (GA) (**Member of the Board of Directors**)
- *American Society of Pharmacognosy (ASP)*
- Association Francaise pour l'Enseignement et la Recherche en Pharmacognosie (AFERP)
- Phytochemical Society of Europe (PSE)
- Hellenic Society of Pharmacology
- Greek Pharmaceutical Association

## FUNDED PROJECTS AS COORDINATOR

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- Exploitation of microbial biodiversity for the discovery and development of novel cosmeceutical agents – **MICROSMETCS** project - FP7-PEOPLE-2013-IAPP (**2013-2017**) Total Budget : 2.2 M € (**UoA budget 500K€**).
- Exploitation of byproducts from the processing of peach, pomegranate, crocus and wood for the production of high added value products with applications in cosmetic industry **AGROSMETICS (2012-2015)** Total Budget 800 K€ (**UoA budget 230K€**) .
- Investigation of natural products for developing novel Plant Protection Products (2007-2010).
- Phytochemical investigation of *Genista* sp. For the isolation of potential phytoetrogens and evaluation of the biological activity thereof. (ASP – USA: 2006-2007). Budget : 4.000 \$

## FUNDED EU PROJECTS AS PRINCIPAL INVESTIGATOR

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- Tools And Strategies to access to original bioactive compounds from Cultivation of MARine invertebrates and associated symbionts. **TASC MAR** project –H2020 (**2015-2019**) **Total Budget 6.7 M. € (UoA budget 800 K €)**.

## PARTICIPATION IN OTHER EU & NATIONAL PROJECTS

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- **2016-2020: EXANDAS-H2020-MSCA-RISE-2015** “Exploitation of Aromatic plants’ by-products for the development of novel cosmeceuticals and food Supplements”
- **2015-2019:** Cost CA15136 European network to advance carotenoid research and applications in agro-food and health - **EUROCAROTEN**.
- **2014-2018:** Cost CM1407 **NatChemDrugs:** Challenging Organic Syntheses Inspired by Nature: from Natural Products Chemistry to Drug Discovery.
- **2014-2018:** Cost CM1406 **EPICHEM** - Epigenetic Chemical Biology
- **2012-2016:** FP7-PEOPLE-IAPP-2011-286287 Marie Curie Actions “Integrated technologies for the discovery and development of cosmeceutical agents from plant biodiversity- **NATPROTEC**”.
- **2011-2015:** Cost action TD0905 **Epigenetics:** Bench to Bedside.
- **2011-2015:** “Establishment of innovative enterprises – Spin off/Spin out».
- **2011-2015:** **HELBIONET**- the Hellenic Network for Biodiversity Research.
- **2011-2015:** FP7-PEOPLE-2010-IRSES. **CHEMBIOFIGHT** project: Exploring the Chemical Biodiversity with Innovative Approaches to Fight Chagas Disease and Leishmaniasis.
- **2011-2015:** 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**”.
- **2010-2014:** FP7-KBBE-2009-3-1-04, Seventh Framework Programme of the European Community for Research, Technological Development and Demonstration Activities “From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest - **AgroCos**” .
- **2009:** 11SMEs2009 “Exploitation of industrial by-products of oil refining for the production of squalene” (2011-2015).
- **2009-2013:** 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**”.
- **2008-2011:** Cost action FA0602: Bioactive food components, mitochondrial function and health **MITOFOOD**.
- **2008-2011:** FP7-REGPOT-2007-1 CSA 206570 “Reinforcing scientific and technological potential of the Natural Products Laboratory- University of Athens - **NatForce**”.

## REVIEWER IN SCIENTIFIC JOURNALS & ORGANISATIONS

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- Reviewer for International Foundation for Science
- Reviewer for Research Foundation –Flanders
- Reviewer for the Greek Ministry of Education
- Associate Editor of International Journal of Chemical Research
- Associate Editor of British Journal of Pharmaceutical Research
- Editorial board of European Journal of Medicinal Plants (Editorial Board Member)
- Planta Medica (special issue co-editor, July 2008)
  
- Also reviewer for : Journal of Natural Products / Planta Medica / Journal of Agriculture and Food Chemistry / Phytochemistry / Journal of Medicinal Plants Research / Pest Management Science / Molecules / HortScience / Journal of Ethnopharmacology / Bioresources Technology / Bioprocess and Biosystems Engineering / Journal of Pharmacy and Pharmacology / Journal of Basic Microbiology / Natural Products Communication / Wageningen Journal of Life Sciences / Journal of Food Science / African Journal of Biotechnology / Food and Chemical Toxicology etc.

## ORGANIZATION OF CONFERENCES

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1. 9th Joint meeting of AFERP, ASP, GA, PSE & SIF 24-27 July 2016, Copenhagen. Member of the scientific committee.
2. 63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Budapest, 2015. Member of the scientific committee.
3. 62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Portugal, 2014. Member of the scientific committee.
4. 5th BBBB Conference, Athens 26-28 September 2013 (350 participants). Member of the organising committee.
5. 7th Joint meeting of AFERP, ASP, GA, PSE & SIF, 2008, 3-8, August, Athens, Greece; Organizing committee (1300 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). Member of the organising committee.
6. 2nd International congress of AFERP, 2002, 19-21, September Athens, Greece; Organizing committee (150 participants). Member of the organising committee.

## OVERALL SCIENTIFIC WORK

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- **Ph. D. thesis:** “ Study of natural and semisynthetic derivatives of phytoestrogens and investigation of their interaction with the estrogen receptor”
- **M.Sc. thesis** in “Development of new analogs of phytoestrogens and study of their interaction with the estrogen receptor”.
- **2 patents**
- **53 Publications** in international peer reviewed journals
- **90 presenations** in international and national scientific conferences
- **7 oral** presentation as an invited speaker
- **Total citation** (excluding selfcitations) : 735
- **h-index:** 16

## PATENTS

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1. DNA active obstruction method and biological activity control method [Machine Translation]. Hanawa, Fujinori; Skaltsounis, Alexios-Leandros; **Fokialakis, Nikolas**. (Forestry and Forest Products Research Institute FFPRI, Japan). Jpn. Kokai Tokkyo Koho (**2005**), 16 pp. CODEN: JKXXAF JP 2005041816 A2 20050217 Patent written in Japanese. Application: JP 2003-277990 20030723. AN 2005:135636
2. Products from plants of genus *Onobrichis* for the treatment of hormone dependent illnesses . Chalabalaki M, **Fokialakis N.**, Aligiannis N., Skaltsounis A.L. Mitaku S. OVI, 2004 Greece (Number. 1004825 – International clacisication. CL: A61K 35/78, A23L 1/30)

## PEER REVIEWED PUBLICATIONS

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1. Megistosarcimine and Megistosarconin, two alkaloids from *Sarcomelicope megistophylla*. **Nikolas Fokialakis**, Sofia Mitaku, Emmanuel Mikros, Alexios-Leandros Skaltsounis, Francois Tillequin and Thiery Sevenet, *Phytochemistry*, 52,**1999**,1745-1748.
2. Two new alkaloids from the bark of *Sarcomelicope megistophylla*. Magdalene Papageorgiou, **Nikolas Fokialakis**, Sofia Mitaku, Alexios-Leandros Skaltsounis, Francois Tillequin and Thiery Sevenet, *Journal of Natural Products*, 63, **2000**, 385-386.
3. Two new 3-methoxy-4-quinolone alkaloids from the bark of *Sarcomelicope megistophylla*.

- Nikolas Fokialakis**, Prokopios Magiatis, Sofia Mitaku, Francois Tillequin and Thiery Sevenet, *Chemical and Pharmaceutical Bulletin*, 48, **2000**, 2009-2010.
4. Megistolactone, a new alkaloid from *Sarcomelicope megistophylla*. **Nikolas Fokialakis**, Prokopios Magiatis, Alexios-Leandros Skaltsounis, Francois Tillequin and Thiery Sevenet, *Verlag der Zeitschrift fur Naturforschung*, 55c, **2000**, 874-876.
  5. The structure of Sarcomegine: an application of long range <sup>1</sup>H-<sup>15</sup>N correlation at natural abundance. **Nikolas Fokialakis**, Prokopios Magiatis, Alexios-Leandros Skaltsounis, Francois Tillequin and Thiery Sevenet, *Journal of Natural Products*, 63, **2000**, 1004-1005.
  6. Furomegistines I and II, two furanopyridine alkaloids from the bark of *Sarcomelicope megistophylla*. **Nikolas Fokialakis**, Prokopios Magiatis, Nektarios Aligianis, Sofia Mitaku, Francois Tillequin and Thiery Sevenet, *Phytochemistry*, 57, **2001**, 593-596.
  7. Cyclomegistine, the first alkaloid with the new cyclobuta[b]quinoline ring system from *Sarcomelicope megistophylla*. **Nikolas Fokialakis**, Prokopios Magiatis, Aris Terzis, Francois Tillequin and Alexios-Leandros Skaltsounis, *Tetrahedron Letters*, 42, **2001**, 5323-5325.
  8. Megistoquinones I and II, two quinoline alkaloids with antibacterial activity from the bark of *Sarcomelicope megistophylla*. **Nikolas Fokialakis**, Prokopios Magiatis, Ioanna Chinou, Sofia Mitaku and Francois Tillequin, *Chemical and Pharmaceutical Bulletin*, 50, **2002**, 413-414.
  9. Essential Oil Constituents of *Valeriana italica* and *Valeriana tuberosa*. Stereochemical and Conformational Study of 15-Acetoxyvaleranone. **Fokialakis N.**, Magiatis P. and Mitaku S., *Verlag der Zeitschrift fur Naturforschung*, 57c, **2002**, 791-796.
  10. Composition of the Essential oils of six *Euphorbia* species from Greece. **Fokialakis N.**, Melliou E., Magiatis P., Harvala C., and Mitaku S. *Journal of Flavor and Fragrance*, 18, **2003**, 39-42.
  11. Estrogenic Activity of Phenylpropanoids from *Sarcomelicope megistophylla* and Structure Determination of a New Norneolignan. **Nikolas Fokialakis**, Prokopios Magiatis, Sofia Mitaku, Harris Pratsinis, and Francois Tillequin, *Planta Medica*, **2003**, 69, 566-568.
  12. A New Class of Phytoestrogens: Evaluation of the Estrogenic Activity of deoxybenzoins **Nikolas Fokialakis**, George Lambrinidis, Nektarios Aligiannis, Sofia Mitakou, Alexios-Leandros Skaltsounis, Harris Pratsinis, Emmanuel Mikros and Michael N. Alexis, *Chemistry & Biology*, **2004**, 11, 397-406.
  13. Hyperjovinols A and B: two new phloroglucinol derivatives from *Hypericum jovis* with antioxidant activity in cell cultures. Konstantinos Athanasas, Prokopios Magiatis, **Fokialakis**



- N.**, Skaltsounis A.L., Pratsinis H. and Kletsas D. *Journal of Natural Products*, **2004**, 67 (6), 973-977.
14. Photo-activated DNA binding and antimicrobial activities of furoquinoline and pyranoquinolone alkaloids from Rutaceae. Fujinori H., **Fokialakis N.** and Skaltsounis A.L. *Planta Medica* **2004**, 70(6), 531-535.
  15. Greek Plant Extracts Exhibit Selective Estrogen Receptor Modulator (SERM)-like Properties. Kassi E., Papoutsi Z, **Fokialakis N.**, Messari I. Mitakou S. and Moutsatsou P. *Journal of Agricultural and Food Chemistry* **2004**, 52, 6956-6961.
  16. Triterpenic Derivatives of *Achillea alexandri-regis* Bornm. & Rudski Kundakovic T., **Fokialakis N.**, Magiatis P., Kovacevic N. and Chinou I. *Chem. Pharm. Bull* **2004**, 52, 1462-1465.
  17. Koniomborine, the First pyrano[3,2-b] indole Alkaloid and other Secondary Metabolites from *Boronella koniambiensis*. Grougnet R., **Fokialakis N.**, Magiatis P., Mitaku S., Skaltsounis A.-L., Tillequin F., Sévenet T., and Litaudon M. *Journal of Natural Products*, **2005** 1083-1086.
  18. Evaluation of Estrogenic/Antiestrogenic Activity of Ellagic Acid via the Estrogen Receptor Subtypes ER $\alpha$  and ER $\beta$  Papoutsi Z., Kassi E., Tsiapara A., **Fokialakis N.**, Chrousos G.P., Moutsatsou P. *Journal of Agricultural and Food Chemistry* **2005**, 53, 7715-7720.
  19. Acretoside, a New Sucrose Ester from the Greek Endemic Species *Aristolochia cretica*. Georgopoulou C., Aligiannis N., **Fokialakis N.** and Mitaku S. *Natural Products Research* **2005**, 19, 795-799.
  20. New coumarins from the fruits of *Seseli devenyense*. Widelski J., Melliou E., **Fokialakis N.**, Magiatis P., Glowniak K., Chinou I. *J. Nat. Prod.*, **2005**, 68, 1637-1641.
  21. Evaluation of the Anti-inflammatory and Cytotoxic Activities of Naphthazarine Derivatives from *Onosma leptantha*. Kundakovic T., **Fokialakis N.**, Dobric S., Pratsinis H., Kletsas D., Kovacevic N., and Chinou I., **2006** *Phytomedicine*, 13, 290-294.
  22. Evaluation of the Antifungal Activity of Thiophenes from *Echinops ritro* L. **Fokialakis N.**, Cantrell C., Duke S.O., Skaltsounis A.L. and Wedge D.E. *J. Agr. Food Chem*, **2006**, 54, 1651-1655.
  23. Antifeedant and toxicity effect of thiophenes from four *Echinops* species against the Formosan subterranean termite, *Coptotermes formosanus* **Nikolas Fokialakis**, Weste Osbrink, Leonid K. Mamonov, Nadejda G. Gemejjeva, Amelia B. Mims, Alan Lax, Alexios L. Skaltsounis, Charles L. Cantrell. *Pest Management Science*, 62, **2006**, 832-838.

24. Synthesis of Novel Conformationally Constrained Derivatives of Pyrazolo[4,3-c]quinolines as Potential Ligands for the Estrogen Receptor. K. M. Kasiotis, **N. Fokialakis** and S. A. Haroutounian, *Synthesis*, 11, **2006**, 1791-1802
25. Antileishmanial Activity of natural diterpens from *Cistus sp.* and semisynthetic derivatives thereof. **Nikolas Fokialakis**, Eleutherios Kalpoutzakis, Babu Tekwani, Alexios Leandros Skaltsounis, and Stephen Oscar Duke. *Biological and Pharmaceutical Bulletin* 29, **2006**, 1775-1778.
26. Chemical composition of the essential oil of *Cionura erecta* (Asclepiadaceae) inflorescences Myrianthopoulos V., **Fokialakis N.**, Melliou E. and Mitaku S. *JEOR* 19, **2007**, 266-268
27. Deoxybenzoins are Novel Potent Selective Estrogen Receptor Modulators. Z. Papoutsi, E. Kassi, **N. Fokialakis**, S. Mitakou, E. Mikros, P. Moutsatsou, *Steroids*, 72 **2007**, 693-704.
28. Evaluation of the Antimalarial and Antileishmanial Activities of Plants from Crete **N. Fokialakis**, E. Kalpoutzakis, B. L. Tekwani, S. I. Khan, M. Kobaisy, A.L.Skaltsounis, S.O. Duke, *Journal of Natural Medicines* 61, **2007**, 38-45.
29. Essential oil composition of *Achillea lingulata* and *A. umbellata* T. Kundakovic , **N. Fokialakis** , N. Kovacevic and I. Chinou. *Flavour and Fragrance Journal* 22, **2007**, 184-187.
30. Alkaloids from *Sarcomelicope megistophylla*. **Nikolas Fokialakis**, Prokopios Magiatisa, François Tillequinb, Sofia Mitaku. *Fitoterapia* 78, **2007**, 169-170.
31. Coumarins from Peucedanum luxurians. Jaroslaw Widelskia, **Nikolas Fokialakis**, Prokopios Magiatis , Kazimierz Glowniak, Ioanna Chinou, *Fitoterapia* 78, **2007**,448-449.
32. Modulation of soy isoflavones bioavailability and subsequent effects on bone health in ovariectomized rats: The case for equol. Mathey, J. Mardon, J., **Fokialakis, N.** Puel, C., Kati-Coulibaly, S., Mitakou, S., Bennetau-Pelissero, C., Lamothe, V., Davicco, M.J., Lebecque, P., Horcajada, M.N., Coxam, V. *Osteoporosis International* 18, **2007**, 671-679.
33. PIFA-mediated synthesis of novel pyrazoloquinolin-4-ones as potential ligands for the estrogen receptor. M S. Christodoulou, K. Kasiotis, **N. Fokialakis**, I. Tellitu, S.A. Haroutounian, *Tetrahedron Letters*, 49, **2008**, 7100-7102.
34. Differential estrogen receptor subtype modulators: assessment of estrogen receptor subtype-binding selectivity and transcription-regulating properties of new cycloalkyl pyrazoles. Alexi X, Kasiotis KM, **Fokialakis N**, Lambrinidis G, Meligova AK, Mikros E, Haroutounian SA, Alexis MN. *J Steroid Biochem Mol Biol.* 117, **2009**, 159-67.

35. The raputindoles: Novel cyclopentyl bisindole alkaloids from *Raputia simulans*. Vougianniopoulou, K., **Fokialakis, N.**, Aligiannis, N., Cantrell, C., Skaltsounis, A.-L. *Organic Letters* 12, **2010**, 1908-1911.
36. Acute toxicity of olive mill wastewater on rats, vibrio fischeri and *Artemia franciscana*, Charistou, A., Kyriakopoulou, K., Anastasiadou, P., **Fokialakis, N.**, Skaltsounis, A.L., Machera, K., *Hellenic Plant Protection Journal* 3, **2010**, 17-24
37. Simple indole alkaloids from the Neotropical Rutaceous tree *Raputia simulans*. Vougianniopoulou K., **Fokialakis N.**, Aligiannis N., Cantrell C., Skaltsounis A.L. *Planta Medica*, **2011**, 77, 1559-1561.
38. Natural Resins and Bioactive Natural Products thereof as Potential Antimicrobial Agents. Termentzi A, **Fokialakis N.**,\* Skaltsounis A.L. *Current Pharmaceutical Design*, **2011**, 17, 1267-1290.
39. Antioxidant and Cytotoxic Activity of the Wild Edible Mushroom *Gomphus clavatus*. Makropoulou M., Aligiannis N., Gonou-Zagou Z., Pratsinis H., Skaltsounis A.L., **Fokialakis N.**\* *Journal of Medicinal Food*, **2012**, 216-221.
40. Ester and carbamate ester derivatives of Biochanin A: synthesis and in vitro evaluation of estrogenic and antiproliferative activities. **Fokialakis N.**, Alexi X., Aligiannis N., Siriani D., Meligova A.K., Pratsinis H., Mitakou S., Alexis M.N. *Bioorganic and Medicinal Chemistry*, **2012**, 20, 2962-2970.
41. Synthesis and *in vitro* biological evaluation of novel pyrazole derivatives as potential antitumor agents. Christodoulou M., **Fokialakis N.**, Nam S., Jove R., Skaltsounis L., Haroustounian S. *Medicinal Chemistry*, **2012**, 8, 779-788.
42. 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. Papaspyridi L.M., Aligiannis N, Topakas E, Christakopoulos P, Skaltsounis A.L. and **Fokialakis N\*** *Molecules*, **2012**, 17, 2714-2724.
43. The Bite of the Honeybee: 2-Heptanone Secreted from Honeybee Mandibles during a Bite Acts as a Local Anaesthetic in Insects and Mammals. Papachristoforou A., Kagiava, A., C. Papaefthimiou, Termentzi A, **Fokialakis N.**, Skaltsounis A.L., Watkins M., Arnold G., Theophilidis G. *PLoS ONE* **2012**, 7(10): e47432. doi:10.1371/journal.pone.0047432
44. Novel Pyrazole and Indazole Derivatives: Synthesis and Evaluation of Their Anti-Proliferative and Anti-Angiogenic Activities. Christodoulou, M.S., **Fokialakis, N.**, Nam, S., Jove R., Skaltsounis A.L. Haroutounian S.A. *Medicinal Chemistry*, **2012**, 8, 779-788.

45. Antioxidant Properties of the Wild Edible Mushroom *Lactarius salmonicolor*. Athanasakis G., Aligiannis N., Gonou-Zagou Z., Skaltsounis A.L and **Fokialakis N.** *Journal of Medicinal Food*, **2013**, 16: 760-764.
46. Synthesis and biological evaluation of novel tamoxifen analogues. Christodoulou M.S, **Fokialakis N**, Passarella D, García-Argáez A.N., Gia O.M., Pongratz I, Via L.D. , Haroutounian S.A. *Biorganic Medicinal Chemistry*, **2013**, 21, 4120-4131.
47. Rare Bisindole alkaloids from the Amazonian tree *Raputia simulans*. Vougianniopoulou K., Travasrou A., **Fokialakis N.**, Skaltsounis A.L. *Chemistry & Biodiversity*, **2014**, 11, 126-132.
48. Modulation of CYP1A1 and CYP1A2 Hepatic Enzymes after Oral Administration of Chios Mastic Gum to Male Wistar Rats. Katsanou E. S., Kyriakopoulou K., Emmanouil C., **Fokialakis N.**, Skaltsounis A.L., Machera K. *PLoS ONE* **2014** 9 (6), e100190.
49. Synthesis of Novel Isoxazoles: Their Antiproliferative Activities and QSAR Studies. Tzanetou E., Liekens S., Kasiotis K.M., Melagraki G., Afantitis A. **Fokialakis N.** and Haroutounian S. *European Journal of Medicinal Chemistry* **2014** 81, 139-149.
50. Can we use the epigenetic bioactivity of caloric restriction and phytochemicals to promote healthy ageing? Christodoulou M.S, Thomas A., Poulain S, Vidakovic M., Lahtela-Kakkonen M., Matulis D., Bertrand P., Bartova E., Blanquart C., Mikros E., **Fokialakis N.**, Daniele Passarella D., Benhida R. and Martinet N. *MedChemCommun*, **2014**, 5, 1804-1820.
51. Leaf structure and histochemistry of the hardy evergreen *Euphorbia charachias* L. (Mediterranean Spurge). Christodoulakis, N.S., Mamoucha S., Termentzi A and **Fokialakis N.** *Planta*, **2015**, 210, 13-18.
52. Novel Conformationally Constrained Pyrazole Derivatives as Potential Anti-Cancer Agents. Kasiotis K., Tzanetou E.N., Stagos D., **Fokialakis N.**, Koutsotheodorou E., Kouretas D., Haroutounian S.A. *Z. Zeitschrift fur Naturforschung B*, **2015**; 70(9). DOI:10.1515/znb-2015-0053.
53. Leaf structure and histochemistry of *Ficus carica* L. Mamoucha S., **Fokialakis N.**, Christodoulakis N.S., *Flora*, **2016**; 218, 24–34.

**CONFERENCES ANNOUNCEMENTS**

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1. Phytochemical investigation of *Sarcomelicope megistophylla*. Fokialakis N., Mitaku S., Skaltsounis A.L. and Tillequin F. **8<sup>th</sup> Panhellenic Pharmaceutical Conference**, Athens, 5-7/11/1996.
2. Megistosarcimine and Megistosarconin, two alkaloids from *Sarcomelicope megistophylla*. Fokialakis N., Mitaku S., Mikros E., Skaltsounis A.L., Tillequin F. and Sevenet T. **2000 Years of Natural Products Research, ASP, GA, AFERP & Phytochemical Society of Europe Joint Meeting**, Amsterdam, Netherlands, 26-30/7/1999.
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88. (\*\*) A new process for the recovery of bioactive ingredients from mastic gum. A. Angelis, M. Hamzaoui, V. Laskari, A. Termentzi, J. Hubert, N. Fokialakis, N. Aligiannis, J.H. Renault, A.L. Skaltsounis. **2nd International Conference of CRS**, Athens, **2016**.
89. (\*\*) TASC MAR Project: Tools And Strategies to access to original bioactive compounds through the Cultivation of MARine invertebrates and associated symbionts. N. Fokialakis, Y. Benayahu, S. Chavanich, A. Bialecki, M. Schaeffer, R. Verga, D. Felezeu, K. Gardikis, P. Álvarez, Å. Lignell, A. Passani, A. Ariel, J. Ouazzani. **COSM'ING**, St. Malo, France, **2016**.
90. (\*\*) Biological assays for the discovery of novel cosmeceutical agents from global microbial biodiversity. K. Georgousaki, N. DePedro, A. M. Chinchilla, S. Gumeni, N. Aliagiannis, I. P. Trougkos, F. Vicente, M<sup>a</sup> P. de Castro, S. Fotinos, J.R. M. Montaña, O. Genilloud and Nikolas Fokialakis. **COSM'ING**, St. Malo, France, **2016**.

(\*) This work has been partially published in peer reviewed international journal.

(\*\*) This work has not been published yet.

## ORAL PRESENTATIONS AS INVITED SPEAKER

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1. Tools and strategies for the exploitation of global microbial biodiversity towards the discovery and development of novel cosmeceutical agents – COSM'ING2016, St. Malo (France), **2016**.
2. Discovering Bioactive Natural Products from Microorganisms 2<sup>nd</sup> CRS, Athens, **2016**.
3. Rediscovering Natural Products, Vienna, **2015**.
4. Workshop: From idea to business - Marie Curie – ESOF, Copenhagen, **2014**.
5. Evaluation of natural products as potential agrochemical agents with insecticide, fungicide and herbicide activities: The case of AGROCOS project. International Conference of Industrial Crops and Products, Athens, **2014**.
6. The life cycle of EU projects – Brussels, **2014**.
7. Biodiversity as a tool for novel Bioactive compounds – Nice (France), **2012**.