

PERSONAL INFORMATION

SURNAME	ANGELIS
NAME	APOSTOLIS
DATE OF BIRTH	10/07/1977
PLACE OF RESIDENCE	ATHENS GREECE
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MOBILITY

06.2017 - 09.2017 **INGENIEUR DE RECHERCHE**, UFR Sciences Exactes et Naturelles, Université de Reims Champagne-Ardenne, Reims, FRANCE -4 months

10.2014 - 02.2016 **RESEARCH ASSOCIATE**, Institut de Chimie Moléculaire de Reims, UMR CNRS 7312, UFR de Pharmacie, Université de Reims Champagne-Ardenne, (Prof. J-H Renault) Reims, FRANCE under the FP7 IAPP project FP7 IAPP “Natprotec” - 16 months

03.2010 - 05.2010 **EARLE STAGE RESEARCHER** in R&D Department of FRUTAROM Company, Zurich, SWITZERLAND under the FP7 IAPP project “Olitec” 3 months

CURRENT POSITION(S)

02.2020 - 02.2021 **RESEARCH ASSOCIATE**, “Utilization of industrial hemp (*Cannabis sativa* L.) for the development and production of innovative pharmaceutical and cosmeceutical products-CannabisMed”, Division of Pharmacognosy and Natural Products Chemistry, Faculty of Pharmacy, NKUA, GREECE

PREVIOUS POSITION(S)

06.2018 - 01.2020 **RESEARCH ASSOCIATE**; “Upgrading of plant wealth - **PlantUP**”, Division of Pharmacognosy and Natural Products Chemistry, Faculty of Pharmacy, NKUA, Greece

07.2017 - 06.2018 **MANAGER OF SCIENTIFIC AFFAIR** at PHARMAGNOSE-Natural Products Approaches, Evia, Greece

03.2016 - 10.2016 **RESEARCH ASSOCIATE** in R&D Department of LAVIPHARM SA – Trading and Manufacturing Company of Pharmaceutical, Chemical and Cosmetic Products», Athens, Greece under the FP7-IAPP project “MICROSMETICS”

06.2011 - 09.2014 **POST-DOCTORAL RESEARCHER** at Lab. of Pharmacognosy and Natural Products Chemistry, Faculty of Pharmacy, NKUA, Greece

EDUCATION

11.2006 - 10.2011 **PhD in Pharmacy**, Division of Pharmacognosy and Natural Product Chemistry, Faculty of Pharmacy, NKUA. Greece, Thesis title “Phytochemical analysis and biological study of plants from *Fabaceae* family and *Oryza sativa*”. Degree: Excellent

10.2003 - 6.2006 **MSc in Natural Products Chemistry**, Division of Pharmacognosy and Natural Product Chemistry, Faculty of Pharmacy, NKUA. Thesis title “Phytochemical analysis of edible plant *Lotus edulis* (Fabaceae)”. (Degree: 8.35)

10.1997 - 12.2003 **Degree in Pharmacy**, Faculty of Pharmacy, NKUA. Greece, (Degree: 6.3)

PUBLICATIONS (35 *original research articles* & 2 *review articles* in peer reviewed journals and 1 *book chapter* (full CV at <https://scholar.google.gr/citations?user=z9VPi3MAAAAJ&hl=en&oi=ao>. Important publication and articles are listed below)

- *Pilot continuous centrifugal liquid-liquid extraction of extra virgin olive oil biophenols and gram-scale recovery of pure oleocanthal, oleacein, MFOA, MFLA and hydroxytyrosol*. A. Angelis, D. Michailidis, L. Antoniadis, P. Stathopoulos, V. Tsantila, J.-M. Nuzillard, J.-H. Renault, L. A. Skaltsounis; **Separation and Purification Technology** 2020, 255, 117692, <https://doi.org/10.1016/j.seppur.2020.117692>

- *Application of pH-zone refining hydrostatic countercurrent chromatography for the recovery of antioxidant phenolics and the isolation of alkaloids from Siberian barberry herb*", W. Kukula, W. Koch, A. Angelis, M. Halabalaki, N. Aligiannis, *Food Chemistry* 2016, 203, 394, DOI: [10.1016/j.foodchem.2016.02.096](https://doi.org/10.1016/j.foodchem.2016.02.096)
- *Flavonoid glycosides isolated from unique legume plant extracts as novel inhibitors of Xanthine Oxidase*", C. I. Spanou, A. S. Veskoukis, T. Kerasioti, M. Kontou, A. Angelis, N. Aligiannis, A.-L. Skaltsounis and D. Kouretas, *PLoS ONE* 2012, 7(3), <https://doi.org/10.1371/journal.pone.0032214>
- *Effects of Greek legume plant extracts on xanthine oxidase, catalase and superoxide dismutase activities*", C. Spanou, A. S. Veskoukis, D. Stagos, K. Liadaki, N. Aligiannis, A. Angelis, L. Skaltsounis, M. Anastasiadi, S. A. Haroutounian, D. Kouretas, *J. Phys. Biochem*, 2012, 68, 37-45, DOI: [10.1007/s13105-011-0117-z](https://doi.org/10.1007/s13105-011-0117-z)
- *Catalytic inhibition of eukaryotic topoisomerases I and II by flavonol glycosides extracted from Vicia faba and Lotus edulis*", Tselepi, M., Papachristou, E., Emmanouilidi, A. , Angelis, A., Aligiannis, N., Skaltsounis, A.-L. , Kouretas, D., Liadaki, K., *J. Nat. Prod.*, 2011, 74(11), 2362-2370, DOI: [10.1021/np200292u](https://doi.org/10.1021/np200292u)
- *Antioxidant and chemopreventive properties of new polyphenolic compounds derived from Greek legume plant extracts*", Ch. Spanou, G. Bourou, A. Dervishi, N. Aligiannis, A. Angelis, A.-L. Skaltsounis and D. Kouretas. *Journal of Agricultural and Food Chemistry*, 2009, 56(16), 6967-6976. DOI: [10.1021/jf800842p](https://doi.org/10.1021/jf800842p)
- *Assessment of antioxidant activity of extracts from Greek varieties of Leguminosae plants using In Vitro assays*", Ch. Spanou, D. Stagos, L. Tousias, A. Angelis, N. Aligiannis, A.-L. Skaltsounis and D. Kouretas. *Anticancer Research*, 2007, 27(5A), 3403-3410, <https://pubmed.ncbi.nlm.nih.gov/17970087/>

CONFERENCES/WORKSHOPS/etc.

Since 2008 more than **35 participations** in peer reviewed scientific conferences, **3 oral presentations** (2 after invitation), **3 oral presentations** in scientific groups internationally and **> 60 poster presentations**. Indicative list below.

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- **67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products**, Sep., 2019, Innsbruck, Austria. "Research, Modern solid support free liquid-liquid techniques turn EVOO to a pool of new natural products and provide gram scale isolation of high importance biophenols"
 - **10th International Countercurrent Chromatography Conference**, August, 2018, Braunschweig, Germany. "Key Tool for the Isolation of Bioactive Compounds from Edible Oils"
 - **International Conference on Agricultural-food Sector – New Technology – Entrepreneurship – Local Development**, May, 2018, Serres, Greece. "Correlation of composition and antioxidant activity in biophenolic extracts of Greek olive oils"
 - **9th Joint Natural Products Conference**, July, 2016, Copenhagen, Denmark. "Implementation of Supercritical Fluid Chromatography for the isolation of new polar γ -oryzanol from Rice Bran Oil"
 - **7th International Symposium on Recent Advances in food analysis**, Nov., 2015, Prague, Czech Republic. "Cooked edible greens of Greece: "chórta" and their decoctions as sources of valuable water-soluble phytonutrients"
 - **8th International Countercurrent Chromatography Conference** July 2014, Brunel London UK. "Investigation of antioxidant and whitening properties of cultivated *Lathyrus clymenum* and isolation of bioactive compounds using countercurrent chromatography"
 - **59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products** Sep. 2011, Antalya, Turkey. "Research; Efficient isolation of bioactive constituents from Greek Fabaceae species through elaboration of counter-current chromatography (CCC) approaches"
 - **57th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Products**, Aug 2009, Geneva, Switzerland. "Research, Isolation of *Lotus edulis* bioactive flavonoids (Leguminosae) by Centrifugal Partition Chromatography"
 - **7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Natural Products with Pharmaceutical, Nutraceutical, Cosmetic and Agrochemical Interest**, Aug. 2008, Athens, Greece. "In vitro investigation of estrogenic-antiestrogenic activity of extracts obtained from Greek Legumes"

MEMBERSHIPS & REVIEWING ACTIVITIES

2020	Guest Editor in Molecules journal: Special Issue entitled "Modern Isolation Techniques in the Recovery of Bioactive Natural Products from Plant Matrices" 2020
2018-today	Evaluator in GSRT programs
2014-today	Reviewer in > 10 scientific journals. e.g. Journal of Agricultural and Food Chemistry, Food Chemistry, Journal of Chromatography A, etc.

2008-today Member of: Hellenic Pharmaceutical Association (EFE), European Society of Pharmacognosy (PSE), Society for Medicinal Plant and Natural Product Research (GA)

TEACHING ACTIVITIES

- 2021** Participation in master's program entitled "TECHNOLOGIES FOR THE MANAGEMENT OF AROMATIC AND MEDICINAL PLANTS: Cultivation, Processing and Production of High Added-Value Products"; Department of Agriculture–Agrotechnology, School of Technology, University of Thessaly.
- 2018–2021** Laboratory assistance and participation in the scientific supervision of 6 under graduated, 7 master's and 3 PhD students
- 2020** Scientific lectures in master and PhD students at Medical University of Lublin, POLAND
- 2020** Participation in the master's program entitled "ISOLATION, DEVELOPMENT, PRODUCTION AND EVALUATION OF BIOACTIVE NATURAL PRODUCTS"; Department of Pharmacy, Division of Pharmacognosy and Natural Products Chemistry, NKUA
- 2020** Scientific lectures in master students at Medical University of Lublin, POLAND
- 2008-2010** Laboratory and technical assistance in the practical courses of under graduated students following the curriculum of the Lab. of Pharmacognosy and Natural Products Chemistry, Department of Pharmacy, NKUA

FELLOWSHIPS and AWARDS

- 2004 – 2006** **Fellowship** from National Ministry of Foreign Affairs (Greece) for the implementation of master research entitled "*Phytochemical analysis of edible plant Lotus edulis (Fabaceae)*"
- 2015** **Best Poster Award** at 22nd Young Research Fellows Meeting, Paris, France; Rapid and effective isolation of crocins, picrocrocin and crocetin from Saffron extract using step-gradient Hydrostatic Countercurrent Chromatography.
- 2018** **Best Poster Award** at OliveBioteq, Sevilla, Spain,: Oleocanthalic, Oleaceinic and EDA acids: Three new standard ingredients of Extra Virgin Olive Oil (EVOO)

RESEARCH GRANTS Since 2008 the PI is actively involved in the preparation of numerous scientific projects and participated in 15 i.e.3 EU granted projects, 10 national projects, 1 university project (Poland) and 1 private sector. Below an indicative list of most relevant

Project Title	Funding source	Period	Role of the PI
Production and Commercial Utilization of Nutritional Products based on medicinal and aromatic plants of Mediterranean Diet- KALIMERA	GSRT-GR	2020-2023	Particip. in projects implementation and management
Upgrading of plant wealth- PlantUP	GSRT-GR	6/2018-1/2020	Particip. in projects implementation
High Quality Medical Education - HQMedEd	Med. Univ. of Lublin-PL	5/2020	Scientific lectures
Utilization of the olive oil / kernel oil refining by-products for the production of squalene	GSRT-GR	6/2014-7/2014	Particip. in projects implementation and management
Tumor mutations of phosphoinositide-3-kinase in breast and colon cancers: development of targeted anticancer drugs and diagnostic markers	GSRT-GR	6/2011-10/2011	Particip. in projects management
Bioactive natural compounds extracted and isolated from olive tree using modern technologies: Probing into their therapeutic potential - Olitec	MCAction-IAPP-EU	3/2010-5/2010	Particip. in projects implementation -
Isolation and study of physicochemical properties of Chios Mastic	PRIVATE SECTOR	1/2010-3/2010	Particip. in projects implementation

Natural products with Pharmaceutical, Nutraceutical, Cosmetic and Agrochemical interest	GSRT-GR	1/2009-8/2009	Particip. in projects implementation
Integration of bioactive plant extracts in the production of high quality biofunctional dairy products	GSRT-GR	5/2008-8/2008	Particip. in projects implementation

SCIENTIFIC ACHIEVEMENTS

Representative publications the last 5 years

- *Traditional uses, Phytochemistry and pharmacology of Chios mastic gum (Pistacia lentiscus var. Chia, Anacardiaceae): A review.* V. Pachi, E. Mikropoulou., P Gkiouvetidis, P Siafakas, A. Angelis, S, Mitakou, M, Halabalaki. **J. of Ethnopharmacology**, 2020 254, <https://doi.org/10.1016/j.jep.2019.112485>
- *Recovery of sesamin, sesamol and minor lignans from sesame oil using solid support free liquid-liquid Extraction and Chromatography techniques and evaluation of their enzymatic inhibition properties.*, D. Michailidis, A. Angelis, N. Aligiannis, S. Mitakou, L. A. Skaltsounis, **Frontiers in Pharmacology** 2019, 28;10:723, <https://doi.org/10.3389/fphar.2019.00723>
- *Rapid isolation of acidic cannabinoids from Cannabis sativa L. using pH-zone-refining centrifugal partition chromatography*”, J. R. Popp, E. A. Petrakis, A. Angelis, M. Halabalaki, G. K. Bonn, H. Stuppner, A. Skaltsounis, **J. of Chromatography A**, 2019, 1599, 196, <https://doi.org/10.1016/j.chroma.2019.04.048>
- *Rapid isolation and characterization of crocins, picrocrocin and crocetin from saffron using centrifugal partition chromatography and LC-MS*; E.Karkoula, A. Angelis, E.Gikas, M.Halabalaki, A. Tsarbopoulos, L Skaltsounis, **J. of Separation Science**, 2018, 41(22), 4105-4114 DOI: [10.1002/jssc.201800516](https://doi.org/10.1002/jssc.201800516)
- *An integrated process for the recovery of high added-value compounds from olive oil using solid support free liquid-liquid extraction and chromatography techniques*, A. Angelis, M. Hamzaoui, N. Aligiannis, Th. Nikou, D. Michailidis, P. Gerolimatos, A. Termentzi, J. Hubert, M. Halabalaki, J.-H. Renault, AL. Skaltsounis.: **J. of Chromatography A**, 2017, 1491, 126–136 , DOI: [10.1016/j.chroma.2017.02.046](https://doi.org/10.1016/j.chroma.2017.02.046)

Granted patents

- Recovery of acidic cannabinoids from plant material. JR Popp, G BONN, H Stuppner, AL Skaltsounis, E Petrakis, A. Angelis, M Halabalaki. EP 3 449 992 A1. Application number: 17189289.6. Date of publication:06.03.2019 Bulletin 2019/10

Invited presentations to international conferences and/or advanced schools

- 2nd Jiang International Forum on Pharmaceutical Sciences; Isolation of Bioactive Unpolar Compounds using Centrifugal Partition Chromatography. **September 26-28, 2019, Guilin, China**
- VII Serbian Congress of Pharmacy; Olive bioactive compounds: Chemistry and pharmacology, **Belgrade, Serbia, 10-14.10.2018.**

Oral presentations to scientific groups after invitation

- Medical University of Lublin-Poland, May 2020 -Title: Isolation of Bioactive Unpolar Compounds using Centrifugal Partition Chromatography.
- Institute of Chemical Industry of Forest Products, Nanjing, China, October, 2019 (group of Prof. Cheng Zhang Wang) –Title: Solid-Support Free liquid-liquid Extraction and Chromatography Techniques as a Key Tool for the Recovery of High-Value Natural Products
- Key Laboratory of Chemistry of Northwestern Plant Resources, Lanzhou, China, July, 2018 (group of Prof. Duolong Di)-Title: *The use of CPE and CPC for the effective recovery of bioactive compounds from plant material*
- University of Reims Champagne-Ardene, Reims, France, 2015 (InfoDay)-, Title: Informations and Proposal Submission of Marie Curie Industry-Academia Partnerships and Pathways (IAPP) Call: FP7-PEOPLE-201x-

Organization of conferences

- *Member of Local Organizing Committee* of the 10th International Conference on Biodiversity (ISCNP-30 & ICOB-10), November 25 - 29, 2018, Athens, Greece

Prizes/Awards/Academy memberships

The scientific work of PI was awarded two times with the **Best Poster Award** at the international conferences OliveBioteq (2018, Sevilla, Spain) and 22nd Young Research Fellows Meeting (2015, Paris, France). In 2004 the PI has been awarded with the **fellowship** (2 years) from National Ministry of Foreign Affairs (Greece) for the implementation of master research.