

CURRICULUM VITAE

PERSONAL DATA

Surname: Argyropoulou

First Name: Aikaterini

Academic Position: Researcher

Date of Birth: 27/03/1982

Place of Birth: Lamia, Phthiotida

Professional Address: Department of Pharmacognosy and Natural Products Chemistry, Faculty of Pharmacy, Panepistimiopolis Zografou, 15771, Athens

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EDUCATIONAL QUALIFICATIONS

Education:

- PhD: 23/06/2010, Faculty of Pharmacy, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece, Supervisor: Prof. Eleni Skaltsa, Title of Dissertation "Chemical analysis of the bioactive secondary metabolites of the endemic plant species *Marrubium thessalum*. Exploitation of the bioactive metabolites through hydroponic cultivation"
- M.Sc.: 04/2006, Department of Agricultural Biotechnology, AUA, Greece, Degree: Excellent-9.80/10.00, Supervisor: Prof. Constantinos Fasseas, Title of Dissertation: "The glandular trichomes of *Lippia citriodora* H.B. & K.: ultrastructure, histochemistry and chemical analysis of its essential oil"
- B.sc.: 11/2004, Department of Agricultural Biotechnology, AUA, Greece, Degree: Good-8.16/10.00, Supervisor: Prof. Polydeukis Hatzopoulos Title of Dissertation: "cAMP and regulated growth of the root of the plant *Arabidopsis thaliana*"

Post-doctoral research:

04/2017-04/2019: Postdoctoral researcher – IKY Scholarship, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece. Action "Reinforcement of Postdoctoral Researchers—1st cycle," in the framework of Operational Program "Human Resources Development Program, Education and Lifelong Learning" of the National Strategic Reference Framework 2014–2020. Title of Dissertation: "Phytochemical study of edible plants of the Mediterranean diet that contribute to healthy aging and study of metabolism of their biologically active molecules"

PARTICIPATION IN RESEARCH PROJECTS

04/2021-03/2022: Participation in the research project "Preclinical control of the efficacy of agonists and antagonists of the endocannabinoid system in an animal model of autism-Rat Fmr1". GSRT, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

05/2019-03/2021: Participation in the research project "Utilization of vinification by-products and plant parts of the vine for the development of an innovative food supplement with activity against venous insufficiency". GSRT, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

01/04/2011-30/09/2011 and 03/03/2017-31/12/2017: Participation in the research project "From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest-AGROCOS". FP7-KBBE-2009-3-1-04, Seventh Framework Programme of the European Community for Research, Technological Development and Demonstration Activities. Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

04/2016-01/2017: Participation in the research project "Development of methodologies for the quality control-characterization of bioactive molecules of extra virgin olive oils and table

oils using modern analysis techniques and chemometrics". GSRT, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

01/2015-08/2015 and 11/2015-01/2016: Participation in the research project "Integrated technologies for the discovery and development of cosmeceutical agents from plant biodiversity" FP7-PEOPLE-IAPP-2010 Marie Curie Actions. Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

09/2014-06/2015: Participation in the research project "Application of state-of-the-art green technology for the development of high added value cosmeceuticals based on the Greek flora". GSRT, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

12/2011-08/2014: Participation in the research project "Integrating the emerging research potential of the University of Athens Cancer Research Group in the European research area", FP7-REGPOT-2011-1, CSA 284460, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

04/2011-11/2011: Participation in the research project "From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest", FP7-KBBE-2009-3-1-04, Seventh Framework Programme of the European Community for Research, Technological Development and Demonstration Activities. Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

01/2007-12/2009: Participation in the research project "Anti-inflammatory & cytotoxic action of labdanic diterpenes from endemic Greek plants of the Lamiaceae". transnational cooperation Greece-Germany IKYDA 2007, I.K.Y.-DAAD, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

08/2007-01/2008: Participation in the research project "Secondary metabolites from Greek endemic medicinal plants with antimicrobial and cytotoxic/cytostatic activity". GSRT, transnational cooperation Greece-Turkey, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

07/2007-12/2007: Participation in the research project "Utilization of medicinal products of economic interest of the genus *Thymus* (thyme)". GSRT, transnational cooperation Greece-Albania, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

12/2006-12/2007: Participation in the research project "Uses of extracts of species of the genus *Anthemis* sp. in dermatological and cosmetic products". GSRT, transnational cooperation Greece-Turkey, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

10/2006-12/2006: Participation in the research project "Isolation and identification of bioactive components of the genus *Quercus* (family Fagaceae) after insect infestation. Utilization of modern methods of Molecular Simulation, in the design and development of new bioactive molecules of natural origin". EPEAEK, «PYTHAGORAS II», Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

04/2006-09/2006: Participation in the research project "Secondary metabolites from endemic species of the genus *Anthemis* active against *Helicobacter pylori*. Prediction and optimization of their pharmacokinetic parameters". GSRT, Department of Pharmacognosy and Natural Product Chemistry, UoA, Greece

Training

10/2013-11/2014 and 09/2015-11/2015: Department of Research and Development of the company CAMAG, Muttenz, Switzerland in the frame of FP7-PEOPLE-IAPP-2010 Marie Curie Actions (development of methods of analysis of natural products with the use of High Performance Thin Layer Chromatography)

10/2010-12/2010: Department of Research and Development of the company HITEX, Vannes, France in the frame of FP7-PEOPLE-IAPP-2008 230763 Marie Curie Actions (production of ingredients for cosmetics and aromas with supercritical fluid extraction)

RESEARCH INTERESTS

Study of the biodiversity and chemodiversity of the Greek and Mediterranean flora.

Study of essential oils from different plant sources and determination of their constituents.

Isolation of natural products from medicinal and aromatic plants: terpenes (sesquiterpene lactones, sesquiterpenes, diterpenes, triterpenes), flavonoids, phenolics and phenylethanoid glycosides, using chromatographic techniques. Structure elucidation of natural products with spectroscopic methods.

Study of contemporary extraction techniques.

Antimicrobial assays.

Biological evaluation of natural products concerning their anti-ageing potential.

PARTICIPATION IN CONFERENCES

(selected)

1. 02-06/09/2007

Phytochemical investigation of the endemic species *Marrubium thessalum* Boiss. & Heldr. (P363). Argyropoulou C., Karioti A., Skaltsa H.

55th International Congress and Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria

2. 03-08/08/2008

Antimicrobial activity of *Santolina chamaecyparissus* L. volatile oil (PI51). Djeddi S., Argyropoulou C., Djebil K., Hadjibourega G., Achour Z., Skaltsa H.

7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece

3. 03-08/08/2008

Analgesic activity of secondary metabolites from two *Centaurea* species (PA37). Djeddi S., Chatter R., Karioti A., Argyropoulou C., Kharrat R., Skaltsa H.

7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece

4. 03-08/08/2008

Poster and Awarded Oral Presentation: Secondary metabolites of the genus *Marrubium*: Strategies of isolation and structure elucidation. (PB184). Argyropoulou C., Skaltsa H.

7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece

5. 03-08/08/2008

Labdane diterpenes and phenylethanoid glycosides from the Greek endemic species *Marrubium thessalum* (Lamiaceae). (PB84). Argyropoulou C., Karioti A., Skaltsa H.

7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece

6. 03-08/08/2008

Chemical composition of the essential oil of the Greek endemic species *Marrubium thessalum* (Lamiaceae). (PI52). Argyropoulou C., Karioti A., Skaltsa H.

7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens, Greece

7. 29/08-02/09/2010

Essential oil of *Centaurea pannonica* (Heuffel) Simonkai and antioxidant activity of the methanol extract (P226). Milošević T., Argyropoulou C., Mihailović V., Stanković M., Solujić

S., Skaltsa H. 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany.

8. 29/08-02/09/2010

Guaianolides from *Crepis dioscoridis* L. (P254). Tsoukalas M., Argyropoulou C., Skaltsa H. 58th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Berlin, Germany.

9. 09/10-12/10/2011

Design optimization study for oleuropein content and antioxidant activity of olive leaves extracts with environmentally friendly extraction techniques. Xynos N., Papaefstathiou G., Psychis M., Argyropoulou A., Aligiannis N., Gikas E., Skaltsounis A.L.

13th European Meeting on Supercritical Fluids, Hague, The Netherlands.

10. 11/05-13/05/2011

Extracts with high antioxidant activity derived from olive leaves by applying environmentally friendly techniques. Papaefstathiou G., Psychis M., Argyropoulou A., Aligiannis N., Skaltsounis A.L.

1st Graduate Students Meeting in Pharmaceutical Sciences, Athens.

11. 04/09-09/09/2011

Exploitation of HPTLC for methodology development: quantification, fingerprinting and partition coefficient determination. Boka V.-I., Amountzias V., Argyropoulou A., Aligiannis N., Skaltsounis A.L.

59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Antalya, Turkey.

12. 28/07-01/08/2012

Production of extracts from olive by-products and evaluation of their cytotoxic/cytostatic activity. Xynos N., Argyropoulou A., Samara P., Aligiannis N., Tsitsilonis O., Skaltsounis A.L.

60th International Congress (Joint Meeting with ASP, AFERP, PSE and SIF) and Annual Meeting of GA New York, USA.

13. 16/04-17/04/13

Valorization of olive industry by-products for tracing and extraction of hydroxytyrosol using various green extraction technologies. Xynos N., Argyropoulou A., Aligiannis N., Polychronopoulos P., Abatis D., Skaltsounis A.L.

International Congress on Green Extraction of Natural Products (GENP2013), Université d'Avignon et des Pays de Vaucluse, France.

14. 01/09-05/09/2013

Microwave-assisted hydrodistillation and extraction of petals from *Rosa damascena* and *Crocus sativus*. Dina E., Argyropoulou A., Papaefstathiou G., Xynos N., Aligiannis N., Polychronopoulos P., Skaltsounis A.L.

61st International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Muenster, Germany.

15. 02/07-04/07/2014

Discovery and development of cosmeceutical agents. Screening of 600 plants using HPTLC autobiographic assay for tyrosinase inhibition - NATPROTEC project. Ankli A., Reich E., Magenant C., Simões-Pires C., Cuendet M., Taibon J., Stuppner H., Boka V.I., Argyropoulou A., Aligiannis N., Skaltsounis A.L.

International Symposium for Thin-Layer Chromatography, Lyon, France

16. 31/08-4/09/2014

NMR Screening of Greek Olive Oils. Argyropoulou A., Benaki D., Spraul M., Schaefer H., Skaltsounis A.L., Mikros E.

62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Guimaraes, Portugal.

17. 31/08-4/09/2014

Development and validation of an HPTLC based assay for the screening and identification of tyrosinase inhibitors. Taibon J., Ankli A., Magnenat C., Simões-Pires C., Boka V.I., Argyropoulou A., Aligiannis N., Skaltsounis A.L., Cuendet M., Stuppner H., Reich E.

62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Guimaraes, Portugal.

18. 31/08-4/09/2014

HPTLC bioautography as a potent tool for the discovery of new tyrosinase inhibitors from plant extracts. Boka V.I., Argyropoulou A., Ankli A., Reich E., Aligiannis N., Skaltsounis A.L.

62nd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Guimaraes, Portugal.

19. 07/09-10/08/2014

Essential oil content of cultivated *Origanum vulgare* ssp. *hirtum*. Papadatou M., Argyropoulou C., Grigoriadou C., Maloupa E., Skaltsa H.

45th international Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey.

20. 07/09-10/08/2014

Essential oil content of *Origanum cordifolium*, cultivated at the Laboratory of Conservation and Evaluation of the Native and Floricultural Species (North Greece), originated from Cyprus. Papadatou M., Argyropoulou C., Grigoriadou C., Maloupa E., Skaltsa H.

45th international Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey.

21. 07/09-10/08/2014

Composition of the essential oils of *Satureja* spp. cultivated at the Laboratory of Conservation and Evaluation of the Native and Floricultural Species (North Greece).

Papadatou M., Argyropoulou C., Grigoriadou C., Maloupa E., Skaltsa H.

45th international Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey.

22. 20/06-23/06/2015

Differential effects of acteoside in normal and cancer cells.

Cheimonidou C., Argyropoulou A., Samara P., Tsakiri E.N., Papassideri I., Polychronopoulos P., Tsitsilonis O.E., Aligiannis N., Skaltsounis A.L., Trougkos I.P.

EACR-AACR-SIC Special Conference on Anticancer Drug Action and Drug Resistance: From Cancer Biology to the Clinic, Florence, Italy.

23. 23/08-27/08/2015

Development of anti-ageing natural products based on biodiversity of the Greek flora by employing environmentally friendly technologies and anti-ageing biological research.

Boka, V.-I., Sklirou, A., Angelopoulou M., Konstantas, A., Argyropoulou, A., Pratsinis, H., Bilalis, D., Kalpoutzakis, E., Aligiannis, N., Kletsas, D., Trougkos, I.P., Ralli, M., Skaltsounis AL.

63rd International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Budapest, Hungary.

24. 24/07-27/07/2016

In vitro antimicrobial potential of representative Mediterranean plant extracts against oral microorganisms. Argyropoulou, A., Karygianni, L., Bartels, N., Aligiannis, N., Ahmad, A.A., Hellwig, E., Wittmer, A., Skaltsounis AL.

9th Joint Natural Product Conference 2016 (Joint Meeting with ASP, AFERP, JSP, PSE and SIF) and 64th International Conference and Annual Meeting of GA, Copenhagen, Denmark.

25. 03/09-07/09/2017

Phytochemical investigation of bioactive ingredients from *Aristotelia chilensis* and *Ugni molinae*. Evaluation of their antioxidant and anti-ageing effects employing a *Drosophila* model. Sakavitsi, M-E., Evangelakou, Z., Araneda Faúndez, C., Lemus Belen Ringele, G., Argyropoulou, A., Halabalaki, M., Kesternich, V., Trougkos, I., Skaltsounis, A-L.

65th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA), Basel, Switzerland

26. 01/09-05/09/2019

Analysis of Herbofix® herbal infusions and comparative study with traditional infusions employing HPTLC, HPLC-DAD and UPLC-MS. Argyropoulou, A., Tseti, I.K., Thoma, E., Skaltsounis A-L.

67th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research (GA)

Innsbruck, Austria

LANGUAGES

Greek (native language)

English (fluent speaker)

French (basic knowledge)

PUBLICATIONS

1. Argyropoulou, C., Daferera, D., Tarantilis, P.A., Fasseas, C., Polissiou, M. (2007). Chemical composition of the essential oil from leaves of *Lippia citriodora* H.B.K. (Verbenaceae) at two developmental stages. *Biochemical Systematics and Ecology*, 35: 831-837.
2. Djeddi, S., Argyropoulou, C., Skaltsa, H. (2008). Secondary metabolites from *Centaurea grisebachii* ssp. *grisebachii*. *Biochemical Systematics and Ecology*, 36: 336-339.
3. Argyropoulou, C., Karioti, A., Skaltsa, H. (2009). Labdane diterpenes from *Marrubium thessalum*. *Phytochemistry*, 70: 635-640.
4. Argyropoulou, C., Akoumianaki - Ioannidou, A., Christodoulakis, N.S., Fasseas, C. (2010a). Leaf anatomy and histochemistry of *Lippia citriodora* (Verbenaceae). *Australian Journal of Botany*, 58: 398-409.
5. Milošević, T., Argyropoulou, C., Solujić, S., Murat-Spahić, D., Skaltsa, H. (2010b). Chemical composition and antimicrobial activity of essential oils from *Centaurea pannonica* (Heufel) Simonkai and *C. jacea* L. *Natural Product Communications*, 5: 1663-1668.
6. Gonenc, T., Argyropoulou, C., Erdogan, T., Gousiadou, C, Juergenliemk, G., Kivçak, B., Skaltsa, H. (2011a). Chemical constituents from *Anthemis wiedemanniana* Fisch. & Mey. *Biochemical Systematics and Ecology*, 39: 51-55.
7. Argyropoulou, C., Karioti, A., Skaltsa, H. (2011b). Minor labdane diterpenes from *Marrubium thessalum*. *Chemistry & Biodiversity*, 8: 1880-1890.
8. Djeddi, S., Djebile, K., Hadjbourega, G., Achour, Z., Argyropoulou, C., Skaltsa, H. (2012a). *In vitro* antimicrobial properties and chemical composition of *Santolina chamaecyparissus* essential oil from Algeria. *Natural Product Communications*, 7: 937-940.
9. Argyropoulou, C., Skaltsa, H. (2012b). Identification of essential oil components of *Marrubium thessalum* Boiss. & Heldr., growing wild in Greece. *Natural Product Research*, 26: 593-599.
10. Djeddi, S., Argyropoulou, C., Chatter, R. (2012c). Analgesic properties of secondary metabolites from Algerian *Centaurea pullata* and Greek *C. grisebachii* ssp. *grisebachii*. *Journal of Applied Sciences Research*, 8: 2876-2880.
11. Argyropoulou, A., Samara, P., Tsitsilonis, O., Skaltsa, H. (2012d). Polar constituents of *Marrubium thessalum* Boiss. & Heldr. (Lamiaceae) and their cytotoxic/cytostatic activity. *Phytotherapy Research*, 26: 1800-1806.
12. Xynos, N., Papaefstathiou, G., Psychis, M., Argyropoulou, A., Aligiannis, N., Skaltsounis, A.-L. (2012e). Development of a green extraction procedure with super/subcritical fluids to produce extracts enriched in oleuropein from olive leaves. *Journal of Supercritical Fluids*, 67: 89-93.

- 13.** Argyropoulou, A., Aligiannis, N., Trougakos, I.P., Skaltsounis, A.-L. (2013). Natural compounds with anti-ageing activity. *Natural Product Reports*, 30: 1412-1437.
- 14.** Xynos, N., Papaefstathiou, G., Gikas, E., Argyropoulou, A., Aligiannis, N., Skaltsounis, A.-L. (2014a). Design optimization study of the extraction of olive leaves performed with pressurized liquid extraction using response surface methodology. *Separation and Purification Technology*, 122: 323-330.
- 15.** Karygianni, L., Cecere, M., Skaltsounis, AL., Argyropoulou, A., Hellwig, E., Aligiannis, N., Wittmer, A., Al-Ahmad A. (2014b). High-Level antimicrobial efficacy of representative Mediterranean natural plant extracts against oral microorganisms. *BioMed Research International*, Article ID 839019.
- 16.** Argyropoulou, C., Papadatou, M., Grigoriadou, C., Maloupa, E., Skaltsa H. (2014c). Evaluation of the essential oil content of cretan dittany cultivated in Northern Greece. *Medicinal & Aromatic Plants*, 3:157.
- 17.** Xynos, N., Abatis, D., Argyropoulou, A., Aligiannis, N., Skaltsounis, AL. (2015). Development of a sustainable procedure for the recovery of hydroxytyrosol from table olive processing wastewater using absorption resin technology and hydrostatic countercurrent chromatography. *Planta Medica*, 81: 1621-1627.
- 18.** Boka, VI., Argyropoulou, A., Gikas, E., Aligiannis, N., Skaltsounis, AL. (2015). Method development and validation of the isolation and quantification of oleuropein from olive leaves by coupling Fast Centrifugal Partition Chromatography & High Performance Thin Layer Chromatography. *Planta Medica*, 81: 1628-1635.
- 19.** Karygianni, L., Al-Ahmad, A., Argyropoulou, A., Hellwig, E., Anderson, A.C., Skaltsounis, AL (2016a). Herbal interventions for the eradication of multispecies oral biofilms. A systematic review. *Frontiers Microbiology*, 6: 1529.
- 20.** Aligiannis, N., Halabalaki, M., Chaita, E., Kouloura, E., Argyropoulou, A., Benaki, D., Kalpoutzakis, E., Angelis, A., Stathopoulou, K., Antoniou, S., Sani, M., Krauth, V., Werz, O., Schütz, B., Schäfer, H., Spraul, M., Mikros E., Skaltsounis, A.L. (2016b). Heterocovariance Based Metabolomics as a Powerful Tool Accelerating Bioactive Natural Product Identification. *Chemistry Select*, 1: 2531-2535.
- 21.** Sakavitsi, M.-E., Christodoulou, M.-I., Tchoumtchoua, J., Fokialakis, N., Kokkinopoulou, I.K., Papageorgiou, E., Argyropoulou, A., Skaltsounis, L.A., Halabalaki, M. (2017a). Comparative HPLC-DAD and UHPLC-ESI(-)-HRMS & MS/MS profiling of *Hypericum* species and correlation with necrotic cell-death activity in human leukemic cells. *Phytochemistry Letters*, 20: 481-490.
- 22.** Samara, P., Christoforidou, N., Lemus, C., Argyropoulou, A., Ioannou, K., Vougianniopoulou, K., Aligiannis, N., Paronis, E., Gaboriaud-Kolar, N., Tsitsilonis, O., Skaltsounis, A.-L. (2017b). New semi-synthetic analogs of oleuropein show improved anticancer activity in vitro and in vivo. *European Journal of Medicinal Chemistry*, 137: 11-29.
- 23.** Hickl, J., Argyropoulou, A., Sakavitsi, M.E., Halabalaki, M., Al-Ahmad, A., Hellwig, E., Aligiannis, N., Skaltsounis, A.L., Wittmer, A., Vach, K., Karygianni, L. (2018a). Mediterranean herb extracts inhibit microbial growth of representative oral microorganisms and biofilm formation of *Streptococcus mutans*. *PLoS ONE*, 13: e0207574.
- 24.** Cheimonidi, C., Samara, P., Polychronopoulos, P., Tsakiri, E.N., Nikou, T., Myriantopoulos, V., Sakellaropoulos, T., Zoumpourlis, V., Mikros, E., Papassideri, I., Argyropoulou, A., Halabalaki, M., Alexopoulos, L.G., Skaltsounis, A.-L., Tsitsilonis, O.E., Aligiannis, N.N., Trougakos, I.P. (2018b). Selective cytotoxicity of the herbal substance acteoside against tumor cells and its mechanistic insights. *Redox Biology*, 169-178.
- 25.** Vollmer, A., Al-Ahmad, A., Argyropoulou, A., Thurnheer, T., Hellwig, E., Attin, T., Vach, K., Wittmer, A., Ferguson, K., Skaltsounis, A.L., Karygianni, L. (2019a). Antimicrobial

Photoinactivation Using Visible Light Plus Water-Filtered Infrared-A (VIS + wIRA) and *Hypericum perforatum* Modifies In Situ Oral Biofilms. *Scientific Reports*, 9: 20325.

26. Mikropoulou, E.V., Petrakis, E.A., Argyropoulou, A., Mitakou, S., Halabalaki, M., Skaltsounis, L.A. (2019b). Quantification of bioactive lignans in sesame seeds using HPTLC densitometry: Comparative evaluation by HPLC-PDA. *Food Chemistry*, 288: 1-7.

27. Karygianni, L., Cecere, M., Argyropoulou, A., Hellwig, E., Skaltsounis, A.L., Wittmer, A., Tchorz, J.P., Al-Ahmad, A. (2019c). Compounds from *Olea europaea* and *Pistacia lentiscus* inhibit oral microbial growth. *BMC Complementary and Alternative Medicine*, 19: 51.

28. Kokras, N., Poulgiannopoulou, E., Sotiropoulos, M.G., Paravatou, R., Goudani, E., Dimitriadou, M., Papakonstantinou, E., Doxastakis, G., Perrea, D.N., Hloupis, G., Angelis, A., Argyropoulou, A., Tsarbopoulos, A., Skaltsounis, A.-L., Dalla, C. (2020a). Behavioral and Neurochemical Effects of Extra Virgin Olive Oil Total Phenolic Content and *Sideritis* Extract in Female Mice. *Molecules*, 25:(21).

29. Pachi, V.K., Mikropoulou, E.V., Gkiouvetidis, P., Siafakas, K., Argyropoulou, A., Angelis, A., Mitakou, S., Halabalaki, M. (2020b). Traditional uses, phytochemistry and pharmacology of Chios mastic gum (*Pistacia lentiscus* var. Chia, Anacardiaceae): A review. *Journal of Ethnopharmacology*, 254: 112485.

30. Stefi, A.L., Vassilacopoulou, D., Routsis, E., Stathopoulos, P., Argyropoulou, A., Skaltsounis, A.-L., Christodoulakis, N.S. (2020c). The Combined Environmental Stress on the Leaves of *Olea europaea* L. and the Relief Mechanism Through Biosynthesis of Certain Secondary Metabolites. *Journal of Plant Growth Regulation*.

31. Pachi, V.K., Mikropoulou, E.V., Dimou, S., Dionysopoulou, M., Argyropoulou, A., Diallinas, G., Halabalaki, M. (2021). Chemical profiling of *Pistacia lentiscus* var. Chia Resin and essential oil: Ageing markers and antimicrobial activity. *Processes*, 9, 418, 1-20.