

Academic Personnel Short Profile / Short CV

University:	UNIC Athens
Surname:	Termentzi
Name:	Aikaterini
Rank/Position:	Teaching and Research Faculty Member
Faculty:	School of Life and Health Sciences
Department:	Health Sciences
Scientific Domain: *	Pharmacognosy & Natural Products Chemistry

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD with honours	2008	Aristotle University of Thessaloniki	School of Pharmacy	Phytochemical analysis of Sorbus domestica (Rosaceae) fruits' extracts and assessment of their antioxidant capacity and inhibition of aldose reductase activity
MSc studies	2002–2003	Aristotle University of Thessaloniki	Pharmacognosy, School of Pharmacy	—
Bachelor's degree	2002	Aristotle University of Thessaloniki	School of Agriculture	<i>In vitro</i> evaluation of several natural essential oils against phytopathological bacteria.

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2026	Present	UNIC Athens	Athens, Greece	Teaching and Research Faculty Member
2020	2020	University of Miami, Miller School of Medicine	Miami, USA	Visiting Scientist / Research Associate, Group of Chemical Analysis
2016	2026	Benaki Phytopathological Institute	Kifissia, Greece	Associate Researcher, Laboratory of Toxicological Control of Pesticides

Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
No.	Year	Title	Other authors	Journal / Conference	Vol.	Pages
1	2026	Comparing Suspect and Nontargeted Screening Workflows for Perinatal Chemical Exposome Analysis: A European Interlaboratory Study from the PARC-EU Project	Moufawad T., Ayeni K., Baira E. et al.	Environmental Science & Technology	—	In press
2	2026	Comparative Assessment of Screening Workflows for characterizing occupational exposure to chemicals in humans: An EU-PARC interlaboratory study	Habchi B., Remy A., Belova L. et al.	Environ. Sci. Eur.	—	In press
3	2025	In vivo genotoxicity of Chios mastic gum in rodent bone marrow micronucleus test	Psarou E.-C., Kyriakopoulou K., Anastasiadou P., Meidanis M., Fokialakis N., Machera K.	Toxicology Reports	15	102-155
4	2025	Proteomic analysis of bone marrow CD138+ cells to identify proteins associated with the response of multiple myeloma patients to commonly used therapeutic regimens	Lygirou V., Paradeisi F., Tserga A., Makridakis M., Stroggilos R. et al.	Proteomics	16	48–60
5	2024	Chemical Investigation of the Mediterranean Sponge Crambe crambe by UHPLC-HRMS/MS via Manual and Computational Dereplication Approaches	Vlachou P., Tsafantakis N., Milic N., Polyzois A., Baira E., Le Goff G., Ouazzani L., Fokialakis N.	Marine Drugs	22(11)	522
6	2021	Detection, isolation and NMR quantitation of the nitrile glucoside sarmentosin from <i>Bryophyllum pinnatum</i> hydroethanolic extract	Fernandez J., Mandova T., Hammad K., Machera K., Magiatis P., Michel S., Zucolotto S., Grougnet R.	Journal of Agricultural and Food Chemistry	69	8081–8089

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No.	Year	Title	Other authors	Journal / Conference	Vol.	Pages
7	2021	Untargeted Ultrahigh-Performance Liquid Chromatography-Hybrid Quadrupole-Orbitrap Mass Spectrometry (UHPLC-HRMS) Metabolomics Reveals Propolis Markers of Greek and Chinese Origin	Stavropoulou M.-I., Kasiotis K.M., Cheilari A., Stathopoulou K., Machera K., Aligiannis N.	Molecules	26(2)	456
8	2020	An intrinsic role of IL-33 in Treg cell-mediated tumor immunoevasion.	Hatzioannou A., Banos A., Sakelaropoulos T., Fedonidis C., Vidali M.-S., Köhne M., Händler K., Boon L., Henriques A., Koliaraki V., Georgiadis P., Zoidakis J., Beyer M., Chavakis T., Boumpas D., Tsirigos A., Verginis P.	Nature Immunology	21	75-85
9	2018	Supercritical CO2 extraction of mastic gum and chemical characterization of bioactive fractions using LC-HRMS/MS and GC-MS	Xynos N., Fokialakis N., Skaltsounis A.L., Aligiannis N.	Journal of Supercritical Fluids	133	349–356
10	2013	From olive drupes to olive oil. An HPLC-Orbitrap-based qualitative and quantitative exploration of olive key metabolites	Kanakakis P., Michel T., Gikas E., Halabalaki M., Skaltsounis A.L.	Planta Medica	79	1576–1587

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
No.	Date	Title	Funded by	Project Role*
1	2022–Present	PARC — Partnership for the Assessment of Risks from Chemicals	European Union	Research Team Member; perinatal exposure studies P4.3.2_H01 & H02 (WP4 Monitoring and exposure).
2	2019–2025	EthnoHerbs — Conservation of European Biodiversity through Exploitation of Traditional Herbal Knowledge for the Development of Innovative Products	European Commission; H2020 MSCA-RISE	Lead Researcher / Institutional Coordinator for Benaki Phytopathological Institute.
3	ESPA 2015–2020	PLANTUP — Upgrading the plant capital; BPI sub-project on harmful plant organisms and strategies to address them (MIS 5002803)	GSRT; ESPA	Researcher responsible for metabolomics and proteomics experiments.
4	2013–2017	MICROSMETICS — Exploitation of microbial biodiversity for the discovery and development of novel cosmeceutical agents	European Commission; FP7 Marie Curie IAPP, 612276	Research Team Member; project preparation and submission; analysis of secondary metabolites.
5	2013–2017	OLA.LA. — Quality control and characterisation of bioactive molecules in extra virgin olive oils and table olives using modern analytical techniques and chemometrics	GGET; PAVET 2013	Research Team Member; project preparation and submission; analysis of secondary metabolites.
6	2013–2017	AGROSMETICS — Valorisation of peach, pomegranate, saffron and wood processing by-products for high-value products with cosmetic applications	GGET; PAVET 2013	Research Team Member; project preparation and submission; analysis of secondary metabolites.
7	2011–2014	INSPIRE — Integrating the emerging research potential of the University of Athens Cancer Research Group in the European Research Area	European Commission; FP7 REGPOT-2011-1 HEALTH, CSA 284460	Research Team Member; work package implementation and reporting.
8	2010–2014	AgroCos — From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic Interest	European Commission; FP7-KBBE-2009-3-1-04	Researcher; extract analysis, metabolic profiling and metabolite dereplication using HRMS; interim reports.
9	2009–2013	OLITEC — Bioactive natural compounds extracted and isolated from olive tree using modern technologies: Probing into their therapeutic potential	European Commission; FP7 Marie Curie IAPP, 230763	Researcher; olive analytical methods; transfer of green extraction know-how; workshop, dissemination and reporting.
10	2009–2013	OSTEOPRO — Natural products and their analogues for the prevention and treatment of osteoporosis: Transcriptomic, proteomic and metabolomic approach	GGET; SYNERGASIES 2009	Researcher; preparation, chemical analysis and characterisation of natural extracts.

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
No.	Period	Organization	Title of Position or Service	Key Activities
1	2025–Present; 2020–2022	French National Research Agency (ANR)	Reviewer; Evaluation Panel CE20 member	Evaluation of research proposals in animal, photosynthetic organism and microorganism biology.
2	2025–2026; 2018–2019	Benaki Phytopathological Institute	Scientific Council member	Participation in the Institute's Scientific Council.
3	2019	Greek General Secretariat for Research and Technology / Innovation	Research project reviewer	Evaluation of scientific research proposals.
4	24–25 April 2018	European Food Safety Authority (EFSA)	Member, Omics working group	Omics in risk assessment: state of the art and next steps; Berlin, Germany.
5	September 2017	Hellenic Food Authority (EFET)	BPI representative in working group	Olive oil quality and authenticity.

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
No.	Date	Title	Awarded by:
1	2008	Postdoctoral research fellowship	City of Paris (Mairie de Paris)
2	2007	Young scientists' award for poster presentation at the 50th Anniversary Conference, Cambridge, UK	Phytochemical Society of Europe
3	2004	PhD student research fellowship	Aristotle University of Thessaloniki Research Committee
4	2002	Ranked 10th among 250 BSc graduates	Aristotle University of Thessaloniki
5	1997	Undergraduate scholarship	Greek State Scholarships Foundation (IKY)
6	1997	Ranked 3rd among 450 successful university entrants	Aristotle University of Thessaloniki

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
No.	Date	Title	Key Activities:
1	2026	Scientific publication record	39 journal articles listed, including articles in press; three book chapters. Scopus h-index: 23; total citations: 1,264.
2	2026	Invited speaker, 31st Agrotica, Thessaloniki	Presentation on the legislative framework for industrial hemp in Greece and potency testing for certification.
3	2023–Present	PhD advisory committees at NKUA	Nikola Milic: bioactive natural products from extremophilic microorganisms; Konstandinos Gaitanis: Greek microbial diversity and novel bioactive compounds.
4	2017–2026	Further PhD advisory committees	Marianna Stavropoulou: green propolis extraction; Elodie Bossard and Evangelia Tsiokanos: Boraginaceae metabolites and symbioses; Mohamed Asmaey: natural plant-protection compounds; Eirini Psarou: Chios mastic gum assessment.
5	2018	Invited speaker, EFSA RARA, Utrecht	Creation of an HRMS-based platform for the assessment of food supplements containing botanicals.
6	2011–2018	Natural and organic cosmetics certification	Certified inspector and scientific advisor at BIOELLAS on behalf of ECOCONTROL, applying the NATRUE standard.
7	2010–Present	Scientific society memberships	Society for Medicinal Plant and Natural Product Research (GA); Hellenic Mass Spectrometry Society.
8	—	Establishment of HRMS analytical platforms	Set up high-resolution mass spectrometry platforms for small-molecule and protein analysis; management and implementation of metabolomics and proteomics projects.
9	—	Accredited analytical methods for cannabinoids	Main responsibility for validation and ISO 17025 accreditation of the quantitative determination of Δ^9 -THC and other cannabinoids at BPI.
10	—	Scientific reviewing and advisory activities	Peer reviewer for natural products, phytochemistry and related journals; BPI representative in the EFSA working group for cannabinoids.