



Academic Personnel Short Profile / Short CV

University:	Cyprus University of Technology
Surname:	Christou
Name:	Atalanti
Rank/Position:	Special Teaching Staff
Faculty:	Faculty of Geotechnical Sciences and Environmental Management
Department:	Department of Agricultural Sciences, Biotechnology and Food Science
Scientific Domain: *	Food and Natural Product Analysis - Sample Preparation, Instrumental Methods of Analysis, Bioactivity Assessment, and Chemometric Data Processing

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2022	University of Cyprus	Department of Chemistry	Spectrophotometric, Electrophoretic and Chromatographic Determination of Carob Polyphenols – Factors Affecting their Phenolic Composition
BSc Chemistry – Environmental and Food Chemistry	2016	University of Cyprus	Department of Chemistry	Qualitative and Quantitative Determination of Flavonoids in Cypriot Wines by Use of High-Performance Liquid Chromatography - A Comparison Between Red and White Wines

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
01/2025	Present	Cyprus University of Technology	Limassol, Cyprus	Special Teaching Staff
08/2022	12/2024	Cyprus University of Technology	Limassol, Cyprus	Post-doctoral researcher
03/2022	07/2022	University of Cyprus	Nicosia, Cyprus	Post-doctoral researcher

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2024	Phytochemical Analysis and Biological Evaluation of Carob Leaf (<i>Ceratonia siliqua</i> L.) Crude Extracts Using NMR and Mass Spectroscopic Techniques	Themistoklis Venianakis, Nikolaos Parisis, Atalanti Christou, Vlasios Goulas*, Nikolaos Nikoloudakis, George Botsaris, Tjaša Goričan, Simona Golič Grdadolnik, Andreas G. Tzakos, Ioannis P. Gerothanassis	Molecules	29	5273
2	2024	Optimization of β -Cyclodextrin Based Ultrasound-Assisted Extraction: A Green Strategy to Enhance the Extraction of Bioactive Compounds from Taro Leaf Byproduct	Atalanti Christou, Nikolaos A. Parisis, Andreas G. Tzakos, Ioannis P. Gerothanassis, Vlasios Goulas*	Sustainable Chemistry and Pharmacy	41	101728
3	2024	Optimization of the Ultrasound-Assisted Extraction of Phenolic Antioxidants from <i>Cistus Salvifolius</i> L. Using Response Surface Methodology	Atalanti Christou, Fotini Nikola, Vlasios Goulas*	Chemistry & Biodiversity		e20240 1337
4	2024	Evaluation of Mediterranean Tree Leaves as Valuable Biomass of Digestive Enzymes and Bacterial Inhibitors in the Concept of Circular Bioeconomy	Atalanti Christou, Konstantina Stavrou, Christodoulos Michael, George Botsaris, Vlasios Goulas *	Biomass	4	442-454

5	2024	New Insights into the Potential Inhibitory Effects of Native Plants from Cyprus on Pathogenic Bacteria and Diabetes-Related Enzymes	Atalanti Christou, Konstantina Stavrou, Christodoulos Michael, George Botsaris, Vlasios Goulas *	Microbiology Research	15	926-942
6	2023	Ultrasound-Assisted Extraction of Taro Leaf Antioxidants Using Natural Deep Eutectic Solvents: An Eco-Friendly Strategy for the Valorization of Crop Residues	Atalanti Christou*, Nikolaos A. Parisi, Andreas G. Tzakos, Ioannis P. Gerothanassis, Themistoklis Venianakis, Alexandra Barbouti, Vlasios Goulas*	Antioxidants	12	1801
7	2022	HPLC-ESI-HRMS and Chemometric Analysis of Carobs Polyphenols – Technological and Geographical Parameters Affecting their Phenolic Composition	Atalanti Christou, Ana B. Martinez-Piernas, Ioannis J. Stavrou, Juan F. Garcia-Reyes, Constantina P. Kapnissi-Christodoulou*	Journal of Food Composition and Analysis	114	104744
8	2021	Combined Use of β -Cyclodextrin and Ionic Liquid as Electrolyte Additives in EKC for Separation and Determination of Carob's Phenolics – A Study of the Synergistic Effect	Atalanti Christou, Ioannis J. Stavrou, Constantina P. Kapnissi-Christodoulou*	Electrophoresis	42	1945-1955
9	2021	Continuous and Pulsed Ultrasound-Assisted Extraction of Carob's Antioxidants: Processing Parameters Optimization and Identification of Polyphenolic Composition	Atalanti Christou, Ioannis J. Stavrou, Constantina P. Kapnissi-Christodoulou*	Ultrasonics Sonochemistry	76	105630
10	2018	Polyphenols in Carobs: A Review on their Composition, Antioxidant Capacity and Cytotoxic Effects, and Health Impact	Ioannis J. Stavrou, Atalanti Christou, Constantina P. Kapnissi-Christodoulou*	Food Chemistry	269	355-374

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	02/2025 - Present	Innovative 3D Printing of Smart Food Packaging: Fabrication of Anthocyanin-NaDES Films for Sustainable Food Preservation and Freshness Monitoring	Research and Innovation Foundation	Coordinator

2	10/2024 - 12/2024	The “End Life” of the Commandaria Grape Pomace Becomes the New Beginning: Exploring its Potential Use as a Source of Cosmeceutical Sunscreen Agent for its Antioxidant and Photoprotective Properties	Cyprus University of Technology	Coordinator/Researcher
3	04/2024 - 12/2024	Carob Pulp: Waste or Source of Bioactive Substances. Development of an Environmentally Friendly and Sustainable Extraction Procedure for Polyphenols Recovery	University of Cyprus	Researcher
4	08/2022 - 03/2024	Natura Platform – Establishment of a Platform for the Discovery of Novel Antimicrobial and Antidiabetic Agents from Natural Sources	Research and Innovation Foundation	Researcher
5	07/2019 – 06/2021	BlackGold – Carobs, the Black Gold of Cyprus: Science meets Industry	Research and Innovation Foundation	Researcher
6	10/2018 – 12/2018	Carob: Cyprus’ Black Gold – Isolation and Qualitative and Quantitative Analysis of Polyphenols in Carob Pods	University of Cyprus	Researcher

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2016	Distinguished Graduating Chemistry Student Award for the Highest Mark in the Bachelor of Science Degree in Chemistry (Environmental and Food Chemistry)	University of Cyprus
2	2014	Award for the Highest Academic Performance During the Academic year 2013-2014	University of Cyprus