

Academic Personnel Short Profile / Short CV

Institution:	Cyprus University of Technology
Surname:	Tzortzakis
Name:	Nikolaos
Rank/Position:	Assistant Professor
Program of Study:	Department of Agricultural Sciences, Biotechnology and Food Science
Scientific Domain: *	Vegetable Crops/ Aromatic plants/ Postharvest Physiology and Technology

**Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D. in Postharvest Physiology and Biochemistry of Horticultural Crops	2006	University of Newcastle upon Tyne	School of Biology	Atmospheric Ozone-Enrichment for the Preservation of Fresh Produce
M.Sc. in 'Horticulture Quality Management'	2002	Mediterranean Agronomic Institute of Chania	Horticultural Science and Technology	Soilless cultivation of tomato in different growing media (organic and inorganic mixtures of different substrates)
Specialized Post-University Diploma (DSPU)	2001	Mediterranean Agronomic Institute of Chania	Horticultural Science and Technology	
Agronomist (B.Sc & M.Eng)	1999	Aristotle University of Thessaloniki	School of Geotechnic Science	In vitro culture in selected plant species

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

Period of employment		Employer	Location	Position
From	To			
2012	present	Cyprus University of Technology	Lemesos, Cyprus	Lecturer/Assist. Professor

2007	2011	Technological Educational Institute of Crete	Heraklion, Greece	Scientific contractor- Lecturer
2006	2011	Institute of Olive Tree and Subtropical Plants, NAGREF	Chania, Greece	PostDoc position

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	2020	Traditionally used <i>Sideritis cypria</i> Post.: Phytochemistry, nutritional content, bioactive compounds of cultivated populations	Lytra K, Tomou EM, Chrysargyris A, Drouza C, Skaltsa H, Tzortzakis N	Frontiers in Pharmacology	In press	
2	2020	Grown to be Blue—Antioxidant Properties and Health Effects of Colored Vegetables. Part II: Leafy, Fruit and others Vegetables	Di Gioia F, Tzortzakis N, Rouphael Y, Kyriacou MC, Sampaio SL, Ferreira ICFR, Petropoulos SA	Antioxidants	In press	
3	2019	Variation of microbial load and biochemical activity of ready-to-eat salads in Cyprus as affected by vegetable type, season, and producer	Xylia P, Botsaris G, Chrysargyris A, Skandamis P, Tzortzakis N	Food Microbiology	83	200-210
4	2019	Bioactivities, chemical composition and nutritional value of <i>Cynara cardunculus</i> L. seeds	Petropoulos SA, Fernandes A, Pereira C, Tzortzakis N, Vaz J, Sokovic M, Barros L, Ferreira ICFR	Food Chemistry	289	404-412
5	2019	The combined and single effect of salinity and copper stress on growth and quality of <i>Mentha spicata</i> plants	Chrysargyris A, Papakyriakou E, Petropoulos S.A., Tzortzakis N	Journal of Hazardous Materials	368	584-593

6	2019	Deployment of olive-stone waste as a substitute growing medium component for <i>Brassica</i> seedlings production in nurseries	Chrysargyris A, Antoniou O, Athinodorou F, Vassiliou R, Papadaki A, Tzortzakis N	Environmental Science and Pollution Research	26	35461-35472
7	2019	Effect of phosphorus application rate on <i>Mentha spicata</i> L. grown in deep flow technique (DFT).	Chrysargyris A, Petropoulos S, Fernandes A, Barros L, Tzortzakis N, Ferreira ICFR.	Food Chemistry	276	84-92
8	2019	Physiological and Proteomic Approaches to Address the Active Role of <i>Botrytis cinerea</i> Inoculation in Tomato Postharvest Ripening	Tzortzakis N	Microorganisms,	7(12)	681
9	2019	Water-energy-food nexus: a case study on medicinal and aromatic plants	Litskas DV, Chrysargyris A, Stavriniades CM, Tzortzakis N	Journal of Cleaner Production	233	1334-1343
10	2018	Effects of salinity on tagetes growth, physiology and shelf life of edible flowers stored in passive modified atmosphere packaging or treated with ethanol	Chrysargyris A, Tzisionis A, Xylia P, Tzortzakis N.	Frontiers in Plant Science	10	9:1765

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
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**Specify venue, geographic location etc*

**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	2018-2021	Improving innovation capacities of private and public actors for sustainable and profitable REcycling of LIVEstock WASTE-RELIFEWASTE	Interreg in Mediterranean –MED (3MED17_1.1_M2_070)	Research Team Member
2	2018-2020	Herbal essential oils: Potential for development as low-risk pesticides, plant growth promoters and produce sanitizers-PlanSafe	Research Promotion Foundation	Research Team Member
3	2017-2020	AgroFood Innovation Clusters - AgroLabs	Interreg Balkan-Mediterranean 2014-2020	Scientific/Project Coordinator
4	2017-2019	Biochar as peat replacement growing media - OptiBiochar”	Cooperation Programme Cyprus-Ireland	Scientific/Project Coordinator
5	2016-2019	Toward a Sustainable Viticulture: Improved Grapevine Productivity and Tolerance to Abiotic and Biotic Stresses by Combining Resistant Cultivars and Beneficial Microorganisms- VITISMART	FACCE SUPPLUS	Scientific/Project Coordinator
6	2013-2015	Alteration of salinity-induced stress in hydroponically grown aromatic plants - SALTAROMA	Cyprus University of Technology. Start-up grant for research	Scientific/Project Coordinator
7	2012-2014	Sustainable of Biotic and Abiotic Parameter in Hydroponically Grown Tomatoes and Lettuce-HYDROFLIES	Inter-Border Cooperation Programme between Greece-Cyprus 2007-2013	Scientific/Project Coordinator
8	2012-2015	Deployment of Essential Oils for the Preservation of Fresh Produce in Crete- ESSOFRESH	Archimedes III- Strengthening research groups in Technological Educational Institutes	Research associate from abroad & Scientific Coordinator

9	2010-2011	"From treated wastewater to alternative water resources in semi-arid regions" "Improving the reclamation and reuse of the organic fraction of municipal solid wastes in Agriculture and Environmental applications"	LIFE 08 ENV/GR/551 Research program XM EOX: EL0031	PostDoc position
10	2006-2008	Sustainable use of water resources and rural development in drought affected areas	INTERREG III, ARCHIMED	PostDoc position

**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)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2017-2019	Cyprus University of Technology	Scientific Coordinator	Evaluation of peat/biochar based media
2	2016-present	EUVRIN	European Vegetables Research Institute Network (EUVRIN)/ Board member	Country Representative
3	2019-present	Ministry of Agriculture, Rural Development and Environment (Department of Agriculture)	Committee member for the Medicinal/Aromatic Plant sector development	Advisor/academic representative
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**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	2019	Young Minds Awards Nomination for “Simopoulou S, Chrysargyris A, Tzortzakis N, Petropoulos S. 2019. The use of agricultural byproducts as alternative growing media for lettuce cultivation	III International Symposium on Growing Media, Composting and Substrate Analysis. SusGro2019. 24-28 June 2019, Milan, Italy”.
2	2019	Best Poster Presentation Award for “Chrysargyris A, Prasad M, Antoniou O, Massou N, Kavanagh A, Tzortzakis N. 2019. Exploitation of Biochar type and ratio as a peat additive/ partial peat replacement in growing media.	III International Symposium on Growing Media, Composting and Substrate Analysis. SusGro2019. 24-28 June 2019, Milan, Italy”.
3	2008	Award with the 1st price for the best poster presentation.	2o International Conference of Quality and Marketing of Agricultural Products. Region of Crete, 25-27 September 2008, Chersonisos, Greece.
4	2008-2009	Postdoctoral scholarship by the Greek Scholarship Foundation (IKY) for research in NAGREF.	Greek Scholarship Foundation
5	2002-2005	42-month scholarship after scoring in the 1st position in national examinations from the State Scholarship Foundation of Greece (IKY) for research towards a PhD degree in University of Newcastle upon Tyne, UK.	Greek Scholarship Foundation
6	2000-2002	CIHEAM Scholarship (International Centre of Advanced Mediterranean Agronomic Studies)	CIHEAM
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**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1	2019	Organizing the next Soilless Culture Conference in Cyprus (March 2021)	ISHS
2	2019	Organizing the next Postharvest Pathology Conference in Cyprus (May 2021)	ISHS
3	2012-2016	MC Member for Cyprus in COST Action FA1106	
4	2018-present	MC Member for Cyprus in COST Action CA17133	
5	2014	Member of the Editorial Board for Journal: Journal of Advancement in Medicinal Plant Research (Ass. Editor), Food Research (Ass. Editor), Phytoparasitica (Editorial member), Agronomy (Editorial member), Industrial Crops and Products (Editorial member)	
6	2017- present	Frontier in Plant Science (Editorial member-Guest Editor)	Frontiers Publisher
7	2019- present	Sustainability Journal (Editorial member- Guest Editor)	MDPI Publisher
8	2019- present	Antioxidants Journal (Editorial member- Guest Editor)	MDPI Publisher
9	2019- present	Molecules Journal (Editorial member- Guest Editor)	MDPI Publisher
10	2004	International Patent No PCT/GB2004/003102.	Apparatus and Method for the Ozone Preservation of Crops