

Academic Personnel Short Profile / Short CV

University:	University of Nicosia
Surname:	Volkan
Name:	Ender
Rank/Position:	Associate Professor
Faculty:	Medical School
Department:	Basic and Clinical Sciences
Scientific Domain: *	Microbiology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Faculty Professional Development Seminar on Teaching and Learning	2024	University of Nicosia	Faculty Training and Development Unit	-
PhD	2013	Washington University in Saint Louis	Division of Biology and Biomedical Sciences	Usher Mechanics: Workings of an <i>Escherichia coli</i> Molecular Machine
BSc	2006	University of Missouri – Kansas City	Biological Sciences	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2023	-	University of Nicosia School of Medicine	Cyprus	Course Lead, Associate Professor of Microbiology

2022	2023	Fulbright Visiting Scholar Program	University of Texas at Houston, McGovern Medical School, TX, USA	Research Scientist
------	------	------------------------------------	--	--------------------

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)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2025	Phytochemical Analysis and In Vitro Antibiofilm Activity of Ethanolic Leaf Extract from <i>Quercus alnifolia</i> Poech Against <i>Staphylococcus aureus</i>	Ender Volkan ; Chad Schou; Jandirk Sendker; Panagiotis Karanis	Scientia Pharmaceutica	93	39
2	2025	Open Schooling to raise student awareness and engagement: the case of tackling Antimicrobial Resistance	Irene Drymiotou, Annalisa Quattrocchi, Ender Volkan , Adonis Ioannides, Danny Alon-Ellenbogen, Daphne Mavrides, Despo Ierodiakonou, Eleni Gentekaki, Pascale Salameh, Peter Karayiannis, Souzana Achilleos & Costas P. Constantinou	Journal of Biological Education		
3	2025	Current Risks and Prevention Strategies Against Vector-Borne Diseases in Cyprus. Microorganisms.	Ender Volkan , Panagiotis Karanis	Microorganisms	13	726

4	2023	FimH and Type 1 Pili Mediated Tumor Cell Cytotoxicity by Uropathogenic <i>Escherichia coli</i> In Vitro	Shelly Roselyn Van Eyssen , Anastasia Samarkina , Ovgu Isbilen , Merve Suzan Zeden , Ender Volkan	Pathogens	12	751-765
5	2023	The "vaccine" hubbub: Viral load comparisons of SARS-CoV-2 Delta and Omicron variants against different vaccine-booster vaccine combinations	Mahmut C Ergoren ¹ , Gokce Akan ² , Ender Volkan ^{3,4} , Emine Kandemis ⁵ , Emine U Evren ⁶ , Hakan Evren ⁶ , Eliz Volkan ⁷ , Gulten Tuncel ² , Kaya Suer ⁸ , Tamer Sanlidag ²	Journal of Medical Virology	95	
6	2022	Comparison of SARS-CoV-2 anti-spike receptor binding domain IgG antibody responses after CoronaVac, BNT162b2, ChAdOx1 COVID-19 vaccines, and a single booster dose: a prospective, longitudinal population-based study	Burç Barin , Ulus Kasap , Ferda Selçuk , Ender Volkan , Özge Uluçkan	Lancet Microbe	3	
7	2021	Alkaloid profiling and antimicrobial activities of <i>Papaver glaucum</i> and <i>P. decaisnei</i>	Hawraz Jawdat Jafaar , Ovgu Isbilen , Ender Volkan , Gunay Sariyar	BMC Research Notes	14	348
8	2021	<i>Allium willeanum</i> Holmboe exerts anticancer activities on metastatic breast cancer	Ovgu Isbilen , Ender Volkan	Heliyon	7	

		cells MCF-7 and MDA-MB-231				
9	2021	COVID-19: Structural Considerations for Virus Pathogenesis, Therapeutic Strategies and Vaccine Design in the Novel SARS-CoV-2 Variants Era	Ender Volkan	Molecular Biotechnology	63	885-897
10	2020	Under the COVID-19 lockdown: Rapid review about the unique case of North Cyprus	Eliz Volkan, Ender Volkan	Psychological Trauma	5	539-541
11	2013	Molecular basis of usher pore gating in Escherichia coli pilus biogenesis	Ender Volkan , Vasilios Kalas , Jerome S Pinkner , Karen W Dodson , Nadine S Henderson , Thieng Pham , Gabriel Waksman , Anne H Delcour , David G Thanassi , Scott J Hultgren	PNAS	110	20741-20746
12	2012	Domain activities of PapC usher reveal the mechanism of action of an Escherichia coli molecular machine	Ender Volkan , Bradley A Ford , Jerome S Pinkner , Karen W Dodson , Nadine S Henderson , David G Thanassi , Gabriel Waksman , Scott J Hultgren	PNAS	109	9563-9568
13	2011	Crystal structure of the FimD usher bound to its	Gilles Phan ¹ , Han Remaut , Tao Wang , William J Allen , Katharina F Pirker , Andrey	Nature	474	49-53

		cognate FimC-FimH substrate	Lebedev, Nadine S Henderson, Sebastian Geibel, Ender Volkan , Jun Yan , Micha B A Kunze, Jerome S Pinkner, Bradley Ford, Christopher W M Kay, Huilin Li , Scott J Hultgren, David G Thanassi, Gabriel Waksman			
--	--	-----------------------------	--	--	--	--

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
1	N/A				
2					
3					
4					
5					
6					
7					
8					
9					
10					

**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	2022-2023	Antimicrobial and Antibiofilm Activities of Endemic/Non-Endemic Plant Species of	Fulbright	Researcher

		Cyprus on Drug Resistant Clinical Bacterial Isolates		
2				
3				
4				
5				
6				
7				
8				
9				
10				

**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	N/A			
2				
3				
4				
5				

**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	2022	Fulbright Visiting Scholar Award	Fulbright
2	2009	Washington University Infectious Diseases Gateway Scholar	Washington University School of Medicine
3	2010	American Society for Microbiology Student Travel Award	American Society for Microbiology
4	2007	Outstanding International Applicant	Kansas University
5	2004	Saper Vedere Scholar	University of Missouri - Kansas City
6	2002-2006	Dean's List	University of Missouri - Kansas City
7	2002	Chancellor's Non-Resident Award	University of Missouri - Kansas City
8			
9			
10			

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	N/A		
2			
3			
4			
5			
6			
7			
8			
9			
10			