

Academic Personnel Short Profile / Short CV

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| University: | University of Nicosia |
| Surname: | Volkan |
| Name: | Ender |
| Rank/Position: | Associate Professor of Microbiology |
| 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) |
| 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 | |
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| 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 | 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 |
| 2 | 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 | |
| 3 | 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 | Burc Barin , Ulus Kasap , Ferda Selçuk , Ender Volkan , Özge Uluçkan | Lancet Microbe | 3 | |

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|---|------|---|---|-------------------------|-----|-------------|
| 4 | 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 |
| 5 | 2021 | <i>Allium willeaenum</i> Holmboe exerts anticancer activities on metastatic breast cancer cells MCF-7 and MDA-MB-231 | Ovgu Isbilen , Ender Volkan | Heliyon | 7 | |
| 6 | 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 |
| 7 | 2020 | Under the COVID-19 lockdown: Rapid review about the unique case of North Cyprus | Eliz Volkan, Ender Volkan | Psychological Trauma | 5 | 539-541 |
| 8 | 2013 | Molecular basis of usher pore gating in <i>Escherichia coli</i> 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 |

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|----|------|--|---|--------|-----|-----------|
| 9 | 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 |
| 10 | 2011 | Crystal structure of the FimD usher bound to its cognate FimC-FimH substrate | Gilles Phan ¹ , Han Remaut , Tao Wang , William J Allen , Katharina F Pirker , Andrey 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 | Nature | 474 | 49-53 |

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 Cyprus on Drug Resistant Clinical Bacterial Isolates | Fulbright | Researcher |
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

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 |
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