

Silvard Karen Tadevosyan

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Faculty of Biology

Chair of Biochemistry, Microbiology, and Biotechnology

Senior laboratory assistant

Education

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| Institution | Yerevan State University |
| Faculty | Faculty of Biology, Department of Biochemistry Microbiology and Biotechnology |
| Date | 2023 - 2025 |
| Degree name | PhD student |

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| Institution | Yerevan State University |
| Faculty | Faculty of Biology, Department of Biochemistry Microbiology and Biotechnology |
| Date | 2021 - 2023 |
| Degree name | Masters |

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| Institution | Yerevan State University |
| Faculty | Faculty of Biology, Department of Biophysics |
| Date | 2017 - 2021 |
| Degree name | Bachelor |

Language skills

Русский English

Participation in international conferences and seminars

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|------------------------------------|--|
| 14/07/2025 - 17/07/2025 | FEMS Micro 2025 Italy |
| 24/09/2025 - 26/09/2025 | "Biological Sciences and Environmental Solutions for the Achievement of Sustainable Development Goals" first international conference Yerevan State University Armenia |
| 29/06/2024 - 03/07/2024 | The 48th FEBS Congress 2024 Italy |
| 26/08/2024 - 31/08/2024 | The 22nd European Bioenergetics Conference EBEC 2024 Austria |

Article

The potential of blackcurrant, fig, and grape leaf extracts in the development of new preparations for overcoming antibiotic resistance and enhancing the efficacy of chemotherapeutic agents

Mikayel Ginovyan, Silvard Tadevosyan, Anahit Shirvanyan, Anush Babayan, Barbara Kusznierevicz, Izabela Koss-Mikołajczyk, Marika Mróz, Agnieszka Bartoszek, Naira Sahakyan
BMC Complementary Medicine and Therapies 2025 1-54

Article

Menthol's disruptive effects on kanamycin-resistant Escherichia coli energy metabolism and ion fluxes

Silvard Tadevosyan, Siranuysch Grabska, Hovakim Grabski, Ruben Abagyan, Karen Trchounian, Naira Sahakyan
Biophysical Reports 2025 100240

Article

Influence of menthol on membrane-associated properties of tetracycline-resistant Escherichia coli

Silvard Tadevosyan, Naira Sahakyan
AIMS Biophysics 2024 329-339

Article

CHEMICAL COMPOSITION AND ANTIBACTERIAL ACTIVITY OF ESSENTIAL OIL OF MENTHA ARVENSIS L. HARVESTED AT HIGH ALTITUDE ARMENIAN FLORA

S. K. TADEVOSYAN, A. H. SHIRVANYAN, A. A. MARKOSIAN, M. T. PETROSYAN, N. Zh. SAHAKYAN
Proceedings of the YSU B: Chemical and Biological Sciences 2023 230-237

Conference

From metabolomics to medicine: exploiting the functional potential of plant extracts in human health, with emphasis on Ribes nigrum, Ficus carica and Vitis vinifera

S. Tadevosyan, M. Ginovyan, N. Avtandilyan, A. Shirvanyan, A. Bartoszek, N. Sahakyan

Conference

Harnessing plant extracts to overcome antibiotic resistance: leaf extracts of Ribes nigrum, Ficus carica, and Vitis vinifera as resistance modifiers of E. coli strains

M. Ginovyan, A. Shirvanyan, S. Tadevosyan, A. Babayan, B. Kusznierevicz, N. Avtandilyan, A. Bartoszek, N. Sahakyan

Conference

Impact of menthol on ATPase activity and ion flux in antibiotic-resistant Escherichia coli

Silvard K. Tadevosyan, Anahit Shirvanyan, Karen Trchounian, Naira Sahakyan

Conference

Modulation of antibiotic resistance by quercetin and catechins in E. coli DH5 α -pUC18 and E. coli pARG-25: a potential approach for overcoming antibiotic resistance

Alvard Minasyan, Aram Aramyan, Silvard Tadevosyan, Anush Babayan, Naira Sahakyan

Conference

Modulating antibiotic efficacy: the role of Teucrium polium in disrupting bacterial resistance mechanisms

Silvard Tadevosyan, Anush Babayan, Mikayel Ginovyan, Naira Sahakyan

Conference

Influence of Menthol on Ion Fluxes and Atpase Activity in Antibiotic-Resistant E. Coli Under Aerobic and Anaerobic Conditions

Silvard Tadevosyan, Anahit Shirvanyan, Karen Trchounian, Naira Sahakyan

Conference

Antibiotic Activity of Plant Metabolites and Possibilities of Their Application

Aram Aramyan, Silvard Tadevosyan, Alvard Minasyan, Anush Babayan, Naira Sahakyan

Conference

Comprehensive Assessment of the Biological and Chemical Properties of Ficus carica Leaf Ethanolic Extract

Naira Vardanyan, Alvard Minasyan, Silvard Tadevosyan, Anush Babayan, Karen Trchounian,

Naira Sahakyan

Conference

Antibiotic Potential of Mentha Arvensis Extract

Sona Sargsyan, Silvard Tadevosyan, Anush Babayan, Alvard Minasyan, Andranik Davinyan,

Armenuhi Moghrovyan, Naira Sahakyan
