

Faculty of Biology

Chair of Biochemistry, Microbiology, and Biotechnology
Senior laboratory assistant

Education

Institution	Yerevan State University
Faculty	Biology / Applied Microbiology
Date	2021 - 2023
Degree name	Masters

Institution	Yerevan State University
Faculty	Biology / Biochemistry, microbiology and biotechnology
Date	2017 - 2021
Degree name	Bachelor

Language skills

Русский Հայերեն English

Work experience

Institution	Yerevan State University
Period of time	2022 till now
Rank/degree	Senior Laboratory Assistant

Institution	YSU, Research Institute of Biology
Period of time	2021 till now
Rank/degree	Senior Laboratory Assistant

Institution	Kh. Buniatyan Institute of Biochemistry
Period of time	2021 - 2022
Rank/degree	Senior Laboratory Assistant

Publications

Article
A novel approach for synthesizing silver nanoparticles with antibacterial and cytotoxic activities using the leaf extract of hydroponically grown Moringa oleifera
Anush Aghajanyan, Marina Timotina, Tatevik Manutsyan, Ani Harutyunyan, Mikayel Ginovyan,

Article

Gold nanoparticles activate hydrogenase synthesis and improve heterotrophic growth of *Ralstonia eutropha* H16

Tatevik Manutsyan, Syuzanna Blbulyan, Anait Vassilian, Tatiana Semashko, Gayane Kirakosyan,

Lilit Gabrielyan, Karen Trchounian, Anna Poladyan

FEMS Microbiology Letters 2024 1-8

Conference

The cytotoxicity and antibacterial activity of *Moringa oleifera*-mediated silver nanoparticles

M. Timotina, T. Manutsyan, M. Ginovyan, K. Trchounian, L. Gabrielyan, A. Aghajanyan

2024 442-442

<https://2024.febscongress.org/>

Conference

Influence of UV-irradiation on lipid peroxidation processes and the activity of plasmatic and mitochondrial ATPases of yeasts *Candida guilliermondii* NP-4

S. Marutyan, H. Karapetyan, S. Marutyan, A. Muradyan, T. Manutsyan

2024 518 - 518

<https://febs.onlinelibrary.wiley.com/doi/10.1002/2211-5463.13856>

Conference

Green synthesis of silver nanoparticles and their effect on the energy-dependent H⁺ -fluxes across the bacterial membrane

M. Timotina, T. Manutsyan, A. Aghajanyan, K. Trchounian, L. Gabrielyan

2023 124-124

<https://2023.febscongress.org/>

Conference

Characteristic effects of gold nanoparticles on growth and H₂ metabolism of *Ralstonia eutropha* H16 and *Escherichia coli*

Anna Poladyan, Tatev Manutsyan, Meri Iskandaryan, Syuzanna Blbulyan, Anait Vassilian,

Tatiana Semashko

2023 358 - 358

<https://www.fems2023.org/>
