# **Diana Hamlet Ghevondyan**

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# Research Institute of Biology

Մանրէաբանական կենսավերականգնման գիտական խումբ Junior Researcher

## Education

Institution Yerevan state university **Faculty** Faculty of Biology Date 2019 - 2021 Degree name Masters

Institution Yerevan state university **Faculty** Faculty of Biology 2015 - 2019 **Date** Bachelor Degree name

# Language skills

Հայերեն English Русский



# **Work experience**

Institution

Yerevan state university, Research Institute of Biology Period of time 2023 till now Rank/degree senior Assistant SCIENTIFIC RESEARCH INSTITUTE OF SPA TREATMENT AND PHYSICAL MEDICINE Institution Period of time 2019 - 2021

Rank/degree Microbiologist

# Participation in international conferences and seminars

29/06/2024 -48th FEBS Congress 03/07/2024 Երևանի պետական համալսարան Italy 14/07/2025 -FEMS MICRO Milan 2025: Congress & Exhibition 17/07/2025 Yerevan State University Italy

09/12/2021 - 10/12/2021	1st Central Asia Genomics Symposium Yerevan State University Uzbekistan
09/07/2023 - 13/07/2023	FEMS 2023; 10th Congress of European Microbiologists Yerevan State University Germany
18/09/2022 - 22/09/2022	13TH INTERNATIONAL CONGRESS ON EXTREMOPHILES Yerevan State University Greece

# Publications

#### Article

### Biodegradation of polyhydroxyalkanoates: current state and future prospects

Hovik Panosyan, Ani Paloyan, Mane Tadevosyan, Diana Ghevondyan, Armine Margaryan,

Mariam Karapetyan, Lev Khoyetsyan, Garabed Antranikian

Frontiers in Microbiology 2025 1-18

#### Article

# Polyhydroxyalkanoates produced by extremophiles: main structure, synthesis, and application

Hovik Panosyan, Armine Margaryan, Diana Ghevondyan, Rafii Shakhmuradian

Microbial Essentialism: An Industrial Prospective 2024 243-263

#### Article

# Detergent-resistant α-amylase derived from Anoxybacillus karvacharensis K1 and its production based on whey

Hovik Panosyan, Armine Margaryan, Diana Ghevondyan, Ani Paloyan, Tigran Soghomonyan,

Pargev Hovhannisyan, Nils Kare Birkeland, Garabed Antranikian

Scientific Reports 2024 12682

### Article

## Microbial thermostable hydrolases (amylases, lipases, and keratinases) and polymerases: biology and applications

Hovik Panosyan, Mane Tadevosyan, Sahak Yeghiazaryan, Diana Ghevondyan, Ani Saghatelyan,

Armine Margaryan

Extremozymes and Their Industrial Applications 2022 177-204

### Conference

## The valorization of whey-based side-streams for microbial biomass, hydrogen and hydrogenase enzyme production

Anna Poladyan, Hayarpi Aghekyan, Ella Minasyan, Karen Trchounian, Ani Paloyan, Sargis Aghayan, Garabed Antranikian, Meri Iskandaryan, Diana Ghevondyan

#### Conference

Genomic and chemical insights into extracellular polymeric substances produced by

### thermophilic Parageobacillus toebii strain H - 70

H. Panosyan, D. Ghevondyan, A. Margaryan, A. Cattaneo, I. Finore, A. Poli, N. Birkeland

#### Conference

Recombinant thermostable \_-amylase from anoxybacillus karvacharensis k1 Hovik Panosyan, Diana Ghevondyan, Armine Margaryan, Ani Paloyan, Garabed Antranikian,

Nils-Kare Birkeland

#### Conference

Production, chemical and genomic insights into exopolysaccharides synthesized by Haloarcula japonica strain SST1 isolated from a subterranean salt deposit in Armenia Hovik Panosyan, Diana Ghevondyan, Armine Margaryan, Anna Hakobyan, Ilaria Finore,

Giovanni Pezzella, Nils-Kare Birkeland, Annarita Poli

#### Conference

Chemical and genomic insights into extracellular polymeric substances by Brevibacillus thermoruber strain Tatev 9-4 isolated from an Armenian geothermal spring Hovik Panosyan, Diana Ghevondyan, Armine Margaryan, Andrea Cattaneo, Ilaria Finore, Annarita Poli