

Белла Гагиковна Бабаян

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Научно-исследовательский институт биологии

Եկոլոգիական մշտադիտարկման խումբ

Научный сотрудник

Образование

Учреждение	Ереванский Университет Культуры
Факультет	искусство
Дата	2019 - 2021
Степень / Звание	Бакалавр

Учреждение	НПЦ "Армбиотехнология" НАН РА
Факультет	Микробиология, Биотехнология
Дата	2017 - 2024
Степень / Звание	Соискатель

Учреждение	Российско-Армянский Университет
Факультет	медицинская биохимия
Дата	2008 - 2011
Степень / Звание	Аспирант

Учреждение	Ереванский Государственный Университет
Факультет	Биологический / Биохимия
Дата	2006 - 2008
Степень / Звание	Магистр

Учреждение	Ереванский Государственный Университет
Факультет	Биологический / Биохимия
Дата	2002 - 2006
Степень / Звание	Бакалавр

Ученое звание/Ученая степень

Учреждение	НПЦ "Армбиотехнология" НАН РА
Дата	2024
Степень / Звание	Аспирант
Научный руководитель	Н.А. Оганесян
Научная тема	Изучение мультирезистентности некоторых видов бактерий родов <i>Pseudomonas</i> , <i>Stenotrophomonas</i> , <i>Xanthomonas</i> и ее преодоление синтетическими производными L-винной кислоты

Знание языков

Русский English Հայերեն

Опыт работы

Учреждение	Ереванский Государственный Университет
Период времени	2023 до настоящего времени
Звание/степень	Научный сотрудник

Научные интересы

- Биохимия, биотехнология, экология, молекулярная биология, генетика, токсикология, фармакология, микробиом пещер, искусство, музыка

Членство

Учреждение	SPELEOLOGICAL CENTER OF ARMENIA, Secretary, member of council,
Период времени	2019 - 2023

Учреждение	BAA
Период времени	2017 - 2024

Учреждение	BAA secretary
Период времени	2017 - 2019

Учреждение	FEMS
Период времени	2018 - 2024

Учреждение	FEBS
Период времени	2023 - 2024

Государственные награды и почетные звания

2025 Почетный член жюри Международного Конкурса-Фестиваля "Constelația Talentelor", UNESCO.

2010 Первая премия фонда "Синопис" в области ИТ

2010 Президентская премия "Лучшая Аспирантка года"

Дополнительная информация

<https://blog.eif.am/2021/08/02/phd-support-program-fellow-bella-babayan...>

<https://www.youtube.com/watch?v=xx43jl8dyQQ> <https://www.youtube.com/watch?v=dXEAYIZ7SLM>

Публикации

Статья

Genetic Changes In Common Dandelion (*Taraxacum officinale*) Induced by High Concentrations of Heavy Metals in Soil

Bella Babayan, Alexander Yesayan, Garegin Sevoyan, Tigran Yesayan

Functional Foods in Health and Disease 2025 625-633

Статья

***Pseudomonas fluorescens*: Prospective green antimicrobial for crops cultivation**

Marina Melkumyan, Bella Babayan, Alexander Yesayan, Tigran Yesayan, Sevoyan Garegin,

Armen Grigoryan, Anna Grigoryan

Bioactive Compounds in Health and Disease 2025 269 - 278

Статья

Artificial fragrances and semisynthetic perfumes: The hidden health risks

Bella Babayan, Tigran Yesayan, Marina Melkumyan, Gagik Mikaelyan, Samvel Bagdasaryan,

Silviana Elbakyan, Anzhelika Avanesyan, Alexander Yesayan, Garegin Sevoyan

Functional Food Science 2025 621-632

Статья

Therapeutic utilization of tetrodotoxin for treating carcinomas: a comparative molecular docking and dosage adjustment study

Anna Grigoryan, Hamlet Karayan, Samvel Bagdasaryan, Tatevik Evadzhyan, Peri Ghukasyan,

Marina Melkumyan, Bella Babayan

Bioactive Compounds in Health and Disease 2025 422-431

Статья

Tartaric acid new derivatives as prospective and safe alternative to antimicrobials for food products packing

Mikaelyan A.R., Babayan B.G., Grigoryan A.L., Grigoryan A.M., Asatryan N.L., Melkumyan M.A.

Functional Foods in Health and Disease 2024 33-50.

Статья

Carnivorous fungi application for pesticide-free vegetable cultivation

Alexander Yesayan, Tigran Yesayan, Bella Babayan, Syuzanna Esoyan, Ani Hayrapetyan,

Garegin Sevoyan, Armine Chakhmakhchyan, Siranush Nanagulyan, Marina Melkumyan

Functional Food Science 2024 325-336

Статья

Strategic food reserves storage, safety and risk minimization: Problems and perspectives

Samvel M. Shahinyan, Ani Yu. Badasyan, Bella G. Babayan, Marina A. Melkumyan, Tigran A. Yesayan,

Alexandr H. Yesayan

Functional Foods in Health and Disease 2024 615-629

Статья

Crops biological protection: Phytopathogens growth inhibition by the entomopathogens

Marina Melkumyan, Bella Babayan, Anna Grigoryan, Alexander Yesayan
Bioactive Compounds in Health and Disease 2024 361-374

Статья

Traditional vegetarian food products in villages of Syunik, Armenia: Technogenic contamination risks assessment

Garegin G. Sevoyan, Karen A. Ghazaryan, Tigran A. Yesayan, Ani K. Hayrapetyan, Seyran H. Minasyan, Bella G. Babayan, Ivan G. Gabrielyan, Syuzanna S. Esoyan, Armine D. Chakhmakhchyan, Anna M. Grigoryan, Marina A. Melkumyan, Alexander H. Yesayan
Functional Food Science 2024 380-389

Статья

Impact of ceramic packaging on the quality and safety of Armenian fermented dairy product Matsoun

Syuzanna S. Esoyan, Ani K. Hayrapetyan, Tigran A. Yesayan, Armine E. Sargsyan, Armine D. Chakhmakhchyan, Bella G. Babayan, Garegin G. Sevoyan, Aleksandr H. Yesayan
Functional Food Science 2024 370-379

Статья

The safety of animal-derived food products in areas of technogenic pollution

Garegin G. Sevoyan, Seyran H. Minasyan, Tigran A. Yesayan, Bella G. Babayan, Syuzanna S. Avetisyan, Alexander H. Yesayan
Functional Foods in Health and Disease 2024 704-712

Статья

The preliminary study of antifungal and antibacterial properties of wine by-products

Ani K. Hayrapetyan, Tigran A. Yesayan, Armine D. Chakhmakhchyan, Bella G. Babayan, Garegin G. Sevoyan, Alexander H. Yesayan, Syuzanna S. Esoyan
Bioactive Compounds in Health and Disease 2024 570-580

Статья

Colamine and tartaric acid based innovative antioxidant and anti-spoilage food additive for fish product industry

Aram R. Mikaelyan, Tigran Soghomonyan, Bella G. Babayan, Samvel A. Bagdasaryan, Nona L. Asatryan, Anna M. Grigoryan, Marina A. Melkumyan
Bioactive Compounds in Health and Disease 2024 489-499

Статья

New functionally substitutes cyclopropanecarboxylic acids as ethylene biosynthesis innovative regulators

Aram Mikaelyan, Samvel Bagdasaryan, Bella Babayan, Nona Asatryan, Marina Melkumyan, Anna Grigoryan
Bioactive Compounds in Health and Disease 2024 500-510

Статья

The epigenetic impact of daily diet food choices on human health and chronic diseases

Yesayan A. H., Chetta M., Babayan B. G., Yesayan T. A., Esoyan S. S., Sevoyan G. G.
Functional Foods in Health and Disease 2024 739-750

Статья

Sustainable methods for producing food-derived bioactive compounds

Aram R. Mikaelyan, Samvel A. Bagdasaryan, Alexander H. Yesayan, Tigran A. Yesayan,

Ani K. Hayrapetyan, Bella G. Babayan, Marina A. Melkumyan, Vardan Sargsyan

Bioactive Compounds in Health and Disease 2024 525-535

Статья

THE STUDY OF PROTEOLYTIC ACTIVITY OF PHYTOPATHOGENIC RHODOCOCCUS, PSEUDOMONAS AND XANTHOMONAS SOME STRAINS

Melkumyan M., Babayan B.

EUROPEAN SCIENCE REVIEW 2023 3-7

Статья

Assessment of 'Complex-co' preparation efficiency for some cereal crops growth stimulation

H.S. Martirosyan, A.R. Mikaelyan, N.L. Asatryan, B.G. Babayan

Agronomy Research 2023 1213-1220

Статья

Tartaric acid synthetic derivatives effect on phytopathogenic bacteria

A.R. Mikaelyan, B.G. Babayan, A.A. Vartanyan, H.V. Tokmajyan

Agronomy Research 2022 644-659

Статья

Analysis of genome sequence and trehalose lipid production peculiarities of the thermotolerant Gordonia strain

Yanina Delean, Armen Sargsyan, Nelli Hovhannisyan, Bella Babayan, Kirill Petrikov, Mikhail Vainstein

Journal of Basic Microbiology 2020 14-21

Статья

Исследования стабильности плазмид антибиотикорезистентности у почвенных условно-патогенных штаммов Stenotrophomonas и Pseudomonas

Бабаян Б.Г., Саргсян А.С., Багдасарян С.А, Мелкумян М.А., Давидян Т.С, Оганесян Н.А,

Оганесян А.М.

Авиценна 2019 13-17

Статья

RESISTANCE TO β -LACTAM ANTIBIOTICS IN SOME SOIL STENOTROPHOMONAS AND PSEUDOMONAS.

Hovhannisyan A.M., Hovhannisyan N. A., Babayan B.G., Sargsyan A.S., Davidyan T.S.

The scientific heritage 2019 32-38

Статья

Inactivation of Macrovipera lebetina obtusa snake venom by enzymes of multidrug resistant Pseudomonas

Bella G. Babayan, N.A. Hovhannisyan, M.A. Melkumyan, A. Sargsyan

Toxicon 2019 S20

Статья

СОВРЕМЕННЫЕ ТЕНДЕНЦИИ В РАЗРАБОТКЕ ЭФФЕКТИВНЫХ КОМБИКОРМОВ ДЛЯ РЫБ

В. Ю. Агеец, А. Р. Микаелян, Ж. В. Кошак, Б. Г. Бабаян, С. М. Дегтярик

Конференция

The Research of Aminoglycoside Resistance Spread in Non-Pathogenic Strains of Pseudomonas Isolated From Soil

A.Hovhannisyan, N. Hovhannisyan, A.Sargsyan, B. Babayan, M. Kinosyan, T.Davidyan, S. Bagdasaryan, M.Melkumyan, G.Oganezova

Конференция

“Study on stability of soil Pseudomonas and Xanthomonas plasmids possessing antibiotic resistance genes”

Hovhannisyan N.A., Babayan B.G., Sargsyan A.S., Bagdasaryan S.A, Hovhannisyan A.M.

Конференция

Antimicrobial Activity of Newly Synthesized Derivatives of Tartaric Acid Against the Multidrug Resistant Soil Strains of Pseudomonas and Stenotrophomonas

Aram R. Mikaelyan, Nona L. Asatryan, Samvel A. Bagdasaryan, Bella G. Babayan

Патент

Համակցված ազդեցության հակաբորբոքային քսուլը
Գազիկ Ներսիսյան, Արամ Միքայելյան, Բելլա Բաբայան

Конференция

The Effect of Tartaric Acid New Derivatives Against the Multidrug Resistant Opportunistic Pathogenic Soil Strains of Pseudomonas Fluorescens

Bella G. Babayan, Aram R. Mikaelyan, Nona L. Asatryan, Samvel A. Bagdasaryan, Marina A. Melkumyan

Конференция

Tartaric Acid New Synthetic Derivatives Antibacterial Activity against the Phytopathogenic Pseudomonas syringae

Bella G. Babayan, Aram R. Mikaelyan, Nona L. Asatryan, Marina A. Melkumyan, Samvel A. Bagdasaryan,

Anna M. Grigoryan

Конференция

Carnivorous Fungi: Innovative Safe Alternative Against The Agricultural Worm Pests

A. H. Yesayan, T. A. Yesayan, B. G. Babayan, G. G. Sevoyan, S. S. Esoyan, A. K. Hayrapetyan,

A. D. Chakhmakhchyan

Конференция

“Complex-Co” Innovative Ecologically Safe Agropreparation

A.R. Mikaelyan, B.G. Babayan, M.A. Melkumyan, T.M. Soghomonyan, N.L. Asatryan, A.M. Grigoryan,

S.A. Bagdasaryan, H.S. Martirosyan, A.S. Melikyan

Конференция

The Preliminary Research of Magellan’s Cave Microbiome

Samvel M. Shahinyan, Bella G. Babayan, Smbat Davtyan, Tigran A. Yesayan, Alexander H. Yesayan,

Marina A. Melkumyan

Конференция

CARNIVOROUS FUNGI APPLICATION PERSPECTIVES FOR PESTICIDE- FREE VEGETABLES CULTIVATION

Alexander Yesayan, Tigran Yesayan, Bella Babayan, Syuzanna Esoyan, Ani Hayrapetyan, Garegin Sevoyan, Armine Chakhmakhchyan, Siranush Nanagulyan, Marina Melkumyan

Конференция

The prospectives of crops biological protection based on *Pseudomonas fluorescens* non-pathogenic bacteria

Marina A. Melkumyan, Bella G. Babayan, Marina H. Kinosyan, Tamara S. Davidyan

Конференция

Innovative Green Agents Against the Pathogens of Crops Based On *Brevibacillus Laterosporus*

Bella G. Babayan, Marina A. Melkumyan, Gagik S. Mikaelyan

Конференция

Carnivorous Fungi: Innovative Green Alternative Against the Worm-pests of Crops

Tigran A. Yesayan, Alexander H. Yesayan, Bella G. Babayan

Конференция

Antimicrobial Resistance of Native Bacteria and The Spread of It out of Clinics

Bella G. Babayan, Marina A. Melkumyan, Marina H. Kinosyan, Tamra S. Davidyan, Alexander H. Yesayan, Garegin G. Sevoyan, Tigran A. Yesayan

Конференция

Crops Biological Protection Based on *Pseudomonas fluorescens*: Prospectives for Green Agriculture

Marina Melkumyan, Bella Babayan, Alexander Yesayan, Tigran Yesayan
