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Научный сотрудник

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Научно-исследовательский институт биологии
Группа экологического мониторинга
Научный сотрудник

Образование

Факультет	искусство
Дата	2019 - 2021
Степень / Звание	Бакалавр

Факультет	Микробиология, Биотехнология
Дата	2017 - 2024
Степень / Звание	Соискатель

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

Дата	2024
Степень / Звание	PhD
Научный руководитель	Н.А. Оганесян
Научная тема	Изучение мультирезистентности некоторых видов бактерий родов Pseudomonas, Stenotrophomonas, Xanthomonas 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

Членство

Учреждение	FENS
Период времени	2026 до настоящего времени

Учреждение	SPELEOLOGICAL CENTER OF ARMENIA, Secretary, member of council,
Период времени	2019 до настоящего времени

Учреждение	BAA
Период времени	2017 - 2024

Учреждение	BAA secretary
Период времени	2017 - 2019

Учреждение	FEMS
Период времени	2018 до настоящего времени

Учреждение	FEBS
Период времени	2023 до настоящего времени

Государственные награды и почетные звания

2026 "Stars of the World – Alexandra Princess Angel" ежегодный международный фестиваль искусств и талантов (Болгария), почетный член жюри

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

2010 Первая премия фонда "Синопсис" 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=xx43jI8dyQQ https://www.youtube.com/watch?v=dXEAYIZ7SLM
https://www.youtube.com/watch?v=D_y9sRjerR4 https://www.youtube.com/watch?v=pSNFKpiPRd8

Публикации

Конференция

GLOBAL CHALLENGES OF CLIMATE CHANGE INFLUENCE ON BIODIVERSITY IN ARMENIAN CAVES ECOSYSTEMS
Babayan B., Shahinyan S., Bagdasaryan S., Yesayan T., Sevoyan G., Yesayan A.

2026 28

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Статья

Pseudomonas fluorescens: Prospective green antimicrobial for crops cultivation
Marina Melkumyan, Bella Babayan, Alexander Yesayan, Tigran Yesayan, Sevoyan Garegin,

Armen Grigoryan, Anna Grigoryan

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269 – 278

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

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 - Online ISSN 2574-0334 Print ISSN 2769-2426 2025 422-431

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

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

2025 1

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Конференция

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

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

2025 1

https://www.greenconferencearmenia.com/

Конференция

Carnivorous Fungi: Innovative Green Alternative Against the Worm-pests of Crops
Tigran A. Yesayan, Alexander H. Yesayan, Bella G. Babayan

2025 1

https://www.greenconferencearmenia.com/

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

2025 137-137

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Конференция

Crops Biological Protection Based on Pseudomonas fluorescens: Prospectives for Green Agriculture
Marina Melkumyan, Bella Babayan, Alexander Yesayan, Tigran Yesayan

2025 90-90

https://www.researchgate.net/publication/396465991_Crops_Biological_Protection_...

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

Crops biological protection: Phytopathogens growth inhibition by the entomopathogens
Marina Melkumyan, Bella Babayan, Anna Grigoryan, Alexander Yesayan

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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

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

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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

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Статья

New functionally substitutes cyclopropanecarboxylic acids as ethylene biosynthesis innovative regulators

Aram Mikaelyan, Samvel Bagdasaryan, Bella Babayan, Nona Asatryan, Marina Melkumyan,

Anna Grigoryan

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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

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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

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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

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

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.

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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

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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
2024 1

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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

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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
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https://www.eurospeleo.eu/event/conference-man-and-karst-2024/

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

2024 54-55

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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

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

2021 1-7

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Патент

Համակցված ազդեցության հակաբորբոքային քսուք
Գագիկ Ներսիսյան, Արամ Միքաելյան, Բելլա Բաբայան

2021

Статья

Analysis of genome sequence and trehalose lipid production peculiarities of the thermotolerant Gordonia strain
Yanina Delegan, 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.

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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

Proceedings of the National Academy of Sciences of Belarus Agrarian Series 2019 323–333

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.

2019 24

https://www.pulsus.com/proceedings/study-on-stability-of-soil-pseudomonas-and-x...

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

2019 37-37

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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

2019 1-9

https://www.dpublication.com/proceeding/2nd-rsetconf/

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

2018 18

http://pharmconf2018.ysu.am/web/indexeng.html
