Armine Armen Margaryan

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Research Institute of Biology
Մանրէաբանական կենսավերականգնման խումբ
Group Leader
Faculty of Biology
Research Institute of Biology
Մանրէաբանական կենսավերականգնման խումբ
Group Leader
Faculty of Biology
Chair of Biochemistry, Microbiology, and Biotechnology
Associate professor

Education

Institution	Yerevan State University
Faculty	Faculty of Biology/Department of Microbiology and Biotechnology of Plants and Microorganisms
Date	2007 - 2012
Degree name	PhD student

Institution	Yerevan State University
Faculty	Faculty of Biology/Department of Microbiology and Biotechnology of Plants and Microorganisms
Date	2005 - 2007
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Biology/Department of Microbiology and Biotechnology of Plants and Microorganisms
Date	2001 - 2005
Degree name	Bachelor

Scientific Rank/degree

Institution	Yerevan State University
Date	2021
Degree name	Associate professor

Institution	Yerevan State University
Date	2014
Degree name	Candidate

Scientific Supervisor	Hovik Panosyan
Research Topic	Microbiota of Armenian copper and gold mines, Isolation, identification and heavy metal resistance mechanisms of heavy metal resistant bacilli

Language skills

Русский English

Work experience

Institution	Research Institute of Biology, Faculty of Biology, Yerevan State University
Period of time	2023 till now
Rank/degree	Head of the scientific group

Institution	Department of Biochemistry, Microbiology and Biotechnology, Faculty of Biology, Yerevan State University
Period of time	2021 till now
Rank/degree	Associate Professor

Institution	Department of Biochemistry, Microbiology and Biotechnology, Faculty of Biology, Yerevan State University
Period of time	2021 till now
Rank/degree	Associate Professor

Institution	Medical Microbiology, Department of Bioscience, Traditional Medical University, Armenia
Period of time	2018 - 2021
Rank/degree	Assistant Professor

Institution	Research Institute of Biology, Faculty of Biology, Yerevan State University
Period of time	2012 - 2023
Rank/degree	Researcher

Institution	Department of Biochemistry, Microbiology and Biotechnology, Faculty of Biology, Yerevan State University
Period of time	2011 - 2021
Rank/degree	Assistant Professor

Institution	Department of Microbiology and Biotechnology of Plants and Microorganisms, Faculty of Biology, Yerevan State University
Period of time	2007 - 2012
Rank/degree	Senior Lab Assistant

Publications

Article

Genomic and chemical insights into a human lectin-binding extracellular polysaccharides from Parageobacillus toebii strain H-70
Hovik Panosyan, Armine Margaryan, Diana Ghevondyan, Fabrizio Chiodo, Yvette van Kooyk, Ilaria Finore, Annarita Poli
PLOS ONE 2026 1-18
https://www.scopus.com/pages/publications/105026820122?origin=resultslist

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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

Assessment of feather degrading activity of thermophilic bacilli isolated from Armenian geothermal springs
Hovik Panosyan, Mane Tadevosyan, Armine Margaryan
Biologia 2025 765-777

Article

Heavy Metal-Resistant Bacterial Communities in the Artsvanik Tailing Dump, Armenia
Armine Margaryan, Sona Nikolyan, Irina Ayvazyan, Hovik Panosyan, Nils-Kåre Birkeland
Current Microbiology 2025 1-11

Article

Production, characterization, and genomic insights of a human lectin-binding exopolysaccharide from Haloarcula japonica strain SST1
Diana Ghevondyan, Anna Hakobyan, Armine Margaryan, Ilaria Finore, Andrea Cattaneo, Fabrizio Chiodo, Nils-Kåre Birkeland, Annarita Poli, Hovik Panosyan
Scientific Reports 2025 1-16

Article

EFFECT OF Fe (III) IONS ON HYDROGENASE ACTIVITY AND GROWTH OF THE CUPRIAVIDUS NECATOR H16 STRAIN IN DIVERSE GROWTH MEDIA
[ВПЛИВ ІОНІВ Fe (III) НА АКТИВНІСТЬ ГІДРОГЕНАЗИ ТА РІСТ ШТАМУ CUPRIAVIDUS NECATOR H16 У РІЗНИХ КУЛЬТУРАЛЬНИХ СЕРЕДОВИЩАХ]
Sona Nikolyan, Armine Margaryan, Anna Poladyan
Mikrobiolohichnyi Zhurnal 2025 64-74
https://www.scopus.com/pages/publications/105027226619?origin=resultslist

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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
2025 1478-1478

https://www.femsmicro.org/

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

2025 431 - 431

https://www.femsmicro.org/

Article

Mining thermophiles for biotechnologically relevant enzymes: evaluating the potential of European and Caucasian hot springs

Hovik H. Panosyan, Armine Margaryan, Ani Paloyan, Christin Burkhardt, Leon Baruth,

Neele Meyer-Heydecke, Barbara Klippel, Garabed Antranikian

Extremophiles 2024 27

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

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

2024 141-141

https://2025.febscongress.org/

Conference

Recombinant thermostable _-amylase from anoxybacillus karvacharensis k1

Hovik Panosyan, Diana Ghevondyan, Armine Margaryan, Ani Paloyan, Garabed Antranikian,

Nils-Kare Birkeland

2024 2319-2320

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Conference

Fe ions effect on hydrogenase actvity of Ralstonia eutropha H16 in various growth media

Sona Nikolyan, Armine Margaryan, Anna Poladyan

2023 1042 - 1042

https://www.fems2023.org/

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

Article
Microbial Diversity of Terrestrial Geothermal Springs in Armenia and Nagorno-Karabakh: A Review
Hovik Panosyan, Armine Margaryan, Ani Saghatelyan, Nils-Kåre Birkeland

Microorganisms 2021 1473

Article
Extremophiles Thriving in Extreme Ecosystems of Armenia
Panosyan Hovik, Margaryan Armine

Extreme Environments 2021 234-251

Article
Anoxybacillus karvacharensis sp. nov., a novel thermophilic bacterium isolated from the Karvachar geothermal spring in Nagorno-Karabakh
Hovik Panosyan, Armine Margaryan, Nils-Kare Birkeland

INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY 2021 9

Article
Heavy Metal Resistance in Prokaryotes: Mechanism and Application
Hovik Panosyan, Armine Margaryan, Birkeland NK.

Microorganisms for Sustainability: Microbial Communities and their Interactions in the Extreme Environment
2021 273-313

Article
Microbial Diversity of High-Altitude Geothermal Springs in Tajikistan
Hovik Panosyan, Armine Margaryan, Dzhuraeva M.M., Ratnadevi C.M., Birkeland NK., Bobodzhanova K.I.

Microorganisms for Sustainability: Microbial Communities and their Interactions in the Extreme Environment
2021 43-63

Article
Geothermal springs in Armenia and Nagorno-Karabakh: potential sources of hydrolase-producing thermophilic bacilli
Hovik Panosyan, Armine Margaryan, Nils-Kåre Birkeland

Extremophiles 2020 519–536

Study manual
ՄՈԼԵԿՈՒԼԱՅԻՆ ՄԱՆՐԷԱԲԱՆՈՒԹՅԱՆ ԼԱԲՈՐԱՏՈՐ ԱՇԽԱՏԱՆՔՆԵՐ
Հ.Հ. Փանոսյան, Ա.Ա. Մարգարյան, Ի.Լ. Բազուկյան, Ա.Հ. Թռչունյան

2020 120

Article
Insights into the Bacterial Diversity of the Acidic Akhtala Mine Tailing in Armenia Using

Molecular Approaches
Armine Margaryan, Hovik Panosyan, Chonticha Mamimin, Armen Trchounian, Nils-Kåre Birkeland

Current Microbiology 2019 462–469

Conference

Bacterial Membrane Protein Activity Affected by 60Co Gamma Radiation
D. Soghomonyan, A. Margaryan, H. Badalyan, A. Trchounian

2019 MBP-112

https://www.asm.org/Events/ASM-Microbe/Home

Conference

Metal resistant microbes of Armenian mining areas as new means for bioremediation

Armine Margaryan

2019 79-80

https://avivardan.wixsite.com/mysite

Conference

Heavy metal resistance of Arthrobacter oryzaea VL55 and Pseudomonas sp. AI2 strains
D. Ghevondyan, O. Miqayelyan, A. Margaryan

2019 29

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Conference

The hexavalent-chromium reduction by the metal-resistant Bacillus sp. NA7 strain
N. Abrahamyan, A. Margaryan

2019 45

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Conference

Metal resistant microbes of Armenian mining areas as new means for bioremediation

Margaryan A.

2019 41-42

http://www.gagam.ge/course/microbes-and-their-viruses-2019/#1559215830612-4db4b...

Conference

Isolation and characterization of new heavy metal resistant alkaliphilic bacteria from Artsvanik Tailing
I. Ayvazyan, A. Margaryan, A. Trchounian

2019 48-49

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Conference

The study of heavy metal resistance of newly isolated acidotolerant metal-resistant Arthrobacter oryzaea VL55 strain
Ghevondyan D., S. Mirzoayn, A. Margaryan

2019 63

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Conference

Microbial Community structure of Armenian mining territories

A.A. Margaryan, H.H. Panosyan, A.H. Trchounian

2019 92-94

Article

The Effects of Low Doses of Gamma-Radiation on Growth and Membrane Activity of Pseudomonas aeruginosa GRP3 and Escherichia coli M17

D. Soghomonyan, A. Margaryan, K. Trchounian, K. Ohanyan, H. Badalyan, A. Trchounian

Cell Biochemistry and Biophysics 2018 209-217

https://link.springer.com/article/10.1007%2Fs12013-017-0831-4

Article

Microbial Diversity of Terrestrial Geothermal Springs in Lesser Caucasus

Hovik Panosyan, Armine Margaryan, Liana Poghosyan, Ani Saghatelyan, Ekaterine Gabashvili,

Ekaterine Jaiani, Nils-Kåre Birkeland

Microorganisms for Sustainability: Extremophiles in Eurasian Ecosystems: Ecology, Diversity, and Applications
2018 81-117

Article

Geobacillus and Anoxybacillus spp. from Terrestrial Geothermal Springs Worldwide: Diversity and Biotechnological Applications

Armine Margaryan, Grigor Shahinyan, Pargev Hovhannisyan, Hovik Panosyan, Armen Trchounian,

Nils-Kåre Birkeland

Microorganisms for Sustainability: Extremophiles in Eurasian Ecosystems: Ecology, Diversity, and Applications
2018 119-166

Conference

Металлоустойчивые бактерии из хвостохранилища Арцваник: Идентефикация бактерий и определение генов, обеспечивающих их металлоустойчивость

Айвазян И. С., Маргарян А. А., Трчунян А. А.

2018 272

http://www.biology21.ru/ru

Conference

Antibiotic Resistance of Bacteria: Novel Findings on Antimicrobial Agents and Activation of Resistance Genes

I. Bazukyan, D. Soghomonyan, A. Margaryan, N. Sahakyan, M. Petrosyan, A. Trchounian

2018 SUNDAY-611

https://www.asm.org/index.php/asm-microbe-2018

Conference

Microbial community of Armenian mining areas, their heavy metal resistance and th role in bioremediation

Armine Margaryan, Hovik Panosyan, Armen Trchounian, Nils-Kare Birkeland

2018 16

http://ecobiome.uz/2018/07/17/extremophiles-from-biology-to-biotechnology/

Conference

BACILLUS SUBTILIS AG4 AS A PROSPECTIVE TOOL FOR BIOREMEDIATION

Armine Margaryan, Hovik Panosyan, Armen Trchounian, Birkeland Nils Kare

2018 59-59

https://www.extremophiles2018.org/

Conference

EXPLORING METAL RESISTANT MICROBES OF ARMENIAN MINING AREAS IN ORDER TO FIND NEW MEANS FOR BIOREMEDIATION

Margaryan Armine, Shahinyan Grigor, Panosyan Hovik, Trchounian Armen

2018 62

https://www.extremophiles2018.org/

Article

Identification and sequence analyses of novel lipase encoding novel thermophillic bacilli isolated from Armenian geothermal springs

Grigor Shahinyan, Armine Margaryan, Hovik Panosyan, Armen Trchounian

BMC Microbiology 2017 1-11

https://bmcmicrobiol.biomedcentral.com/

Article

DENATURING GRADIENT GEL ELECTROPHORESIS (DGGE) PROFILES OF THE PARTIAL 16S rRNA GENES DEFINED BACTERIAL POPULATION INHABITING IN ARMENIAN GEOTHERMAL SPRINGS

H.H. Panosyan, A. A. Margaryan, A.A. Trchounian

Biological Journal of Armenia 2017 102-109

http://www.flib.sci.am/eng/Biology/

Article

BACTERIAL COMMUNITY STRUCTURE OF ARMENIAN MINING TERRITORIES REVEALED BY PCR-DGGE FINGERPRINTING

A.A. MARGARYAN

Biological Journal of Armenia 2017 56-62

http://biology.asj-oa.am/

Conference

The Modelling of Lipase Protein Structures Based on Newly Isolated Thermophilic Bacilli Gene Sequences

G. Shahinyan, A. Margaryan, H. Panosyan, A. Trchounian

2017 SATURDAY 739-739

https://www.asm.org/index.php/asm-microbe-2017

Conference

New heavy metal tolerant alkalophilic bacteria isolated from Artsvanik tailing

I. Ayvazyan, A. Margaryan, A. Trchounian

2017 11

http://armbiotech.am/arm/conf/conf4/index.html

Conference

New acidophilic metal tolerant bacteria isolated from mining sites in Armenia

S. Mirzoyan, A. Margaryan

2017 24

http://armbiotech.am/arm/conf/conf4/index.html

Article

Comparative Analysis of UV Irradiation Effects on Escherichia coli and Pseudomonas aeruginosa Bacterial Cells Utilizing Biological and Computational Approaches
A. Margaryan, H. Badalyan, A. Trchounian

Cell Biochemistry and Biophysics 2016 381–389

http://link.springer.com/journal/12013

Conference

Microbial Diversity in Armenian Mining Areas Revealed by Molecular Approach
A. Margaryan, H. Panosyan, A. Trchounian, N-K. Birkeland

2016 158-158

http://www.asmmicrobe.org/

Conference

New Approach to Monitor Gamma-rays Effects on Different Bacteria in the Environment
A. Margaryan, D. Soghomonyan, K. Ohanyan, H. Badalyan, A. Trchounian, S. Astanyan

2016 791-791

http://www.asmmicrobe.org/

Conference

Antibiotic resistant bacteria inhabiting Lake Sevan (ARmenia)
Hovik Panosyan, Armine Margarayn, Inga Bazukyan, Ekaterine Jaiani, Ekaterine Gabashvili,

Marina Tediashvili

2016 66-66

http://www.isme-microbes.org/isme16

Article

Isolation and characterization of lipase-producing bacilli from Tatev geothermal spring
Vardanyan G., Margaryan A., Panosyan H.

ԵՊՀ ՈՒԳԸ գիտական հոդվածների ժողովածու 2015 33-36

http://www.ysu.am/sss/hy

Article

ISOLATION AND CHARACTERIZATION OF LIPASE-PRODUCING THERMOPHILIC BACILLI FROM GEOTHERMAL SPRINGS IN ARMENIA AND NAGORNO-KARABAKH
G.S. Shahinyan, A.A. Margaryan, H.H. Panosyan, A.H. Trchounian

Biological Journal of Armenia 2015 7-15

http://www.flib.sci.am/eng/Biology/

Article

АНТИМИКРОБНАЯ АКТИВНОСТЬ ХИТОЗАНОВЫХ ПЛЕНОК, МОДИФИЦИРОВАННЫХ ПИРАЗОЛ КАРБОНОВЫМИ КИСЛОТАМИ
А.Э. Акопян, А.А. Маргарян, О.С. Аттарян, Г.В. Асратян, И.Л. Базукян, О.А. Паносян, А.А. Трчунян

Biological Journal of Armenia 2015 45-49

http://www.flib.sci.am/eng/Biology/

Conference

Application of computational and biological approaches to detect UV radiation effects on bacterial cells
Margaryan A., Ohanyan V., Torgomyan H., Soghomonyan D., Badalyan H., Trchounian A.

2015 47-47

http://physecolab.ysu.am/

Conference

Diversity of thermophiles in Armenian geothermal springs
Panosyan H., Saghatelyan A, Margaryan A., Trchounian A., Birkeland N.-K.

2015 149-149

http://www.thermophiles2015.cl/

Conference

Could Bacillus subtilis AG4 strain isolated from Armenian Gold Mine be a tool for bioremediation of heavy metal contaminated environment?
Armine A. Margaryan., Hovik H. Panosyan., Armen Trchounian

2015 28-28

http://armbiotech.am/arm/conf/conf3/index.html

Conference

Anoxybacillus flavitermus K103 strain as an active producer of amylolytic enzymes
Armine A. Margaryan., Hovik H. Panosyan, Armen Trchounian, Pargev A. Hovhannisyan

2015 21-21

http://armbiotech.am/arm/conf/conf3/index.html

Conference

Микробиота рудных пород Армении, выделение металлоустойчивых микроорганизмов и изучение механизмов металлоустойчивости
Маргарян А. А., Паносян О. А., Трчунян А. А

2015 22-22

http://aab.sci.am/events.html

Conference

Antibiotic resistant environmental bacilli and their bacteriophages isolated from freshwater and marine environments of Georgia and Armenia
Hovik Panosyan, Armine Margaryan, Inga Bazukyan, Ekaterine Gabashvili, Nino Janelidze,

Elene Didebulidze, George Tsertsvadze, Marina Tediashvili, Ekaterine Jaiani

2015 41-41

http://www.eliava-institute.org/?rid=9&item=28

Conference

Heavy metal resistance of Bacillus subtilis AG4 isolated from the Sotk Gold Mine (Armenia)
A. Margaryan, H. Panosyan, N.-K. Birkeland, A. Trchounian

2015 221-222

http://febs.onlinelibrary.wiley.com/hub/journal/10.1111/(ISSN)1742-4658/journal...

Article

ТЕРМОФИЛЬНЫЕ БАЦИЛЛЫ, ВЫДЕЛЕННЫЕ ИЗ ГЕОТЕРМАЛЬНЫХ ИСТОЧНИКОВ АРМЕНИИ И НАГОРНОГО КАРАБАХА, КАК ПРОДУЦЕНТЫ ГИДРОЛИТИЧЕСКИХ ФЕРМЕНТОВ
ВАРДАНЯН Г.Г., ОГАНЕСЯН П.А., МАРГАРЯН А.А., ПАНОСЯН О.А., ТРЧУНЯН А.А.

АКТУАЛЬНЫЕ ПРОБЛЕМЫ ГУМАНИТАРНЫХ И ЕСТЕСТВЕННЫХ НАУК 2014 47-50

http://elibrary.ru/title_about.asp?id=28238

Article

ВЫДЕЛЕНИЕ И ИЗУЧЕНИЕ THERMUS SCOTODUCTUS KARVACHAR-1 ИЗ ГОРЯЧЕГО ИСТОЧНИКА КАРВАЧАР

САГАТЕЛЯН А.Р., МАРГАРЯН А.А., ПАНОСЯН О.А., ТРЧУНЯН А.А.

АКТУАЛЬНЫЕ ПРОБЛЕМЫ ГУМАНИТАРНЫХ И ЕСТЕСТВЕННЫХ НАУК 2014 89-92

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Article

Բուհական կրթական համակարգում լաբորատոր աշխատանքների իրականացման ժամանակակից մոտեցումները:

Հ.Հ. Փանոսյան, Ի.Լ. Բազուկյան, Ա.Ա. Մարգարյան, Յու.Գ. Պոպով, Ա.Հ. Թռչունյան

Բնագետ 2014 145-146

http://www.ysu.am/bnaget

Conference

Distribution of Heavy Metal Resistant Bacteria in Armenian Copper and Gold Mines and their Response to Heavy Metal Stress

Margaryan A., Trchounian A., Panosyan H., Birkeland N.-K.

2014 145-145

http://extremophiles2014.ru

Conference

ARMENIAN MINES AS A SOURCE OF HEAVY METAL ACCUMULATING METALOPHILIC BACILLI

Margaryan A., Popov Yu., Panosyan H., Trchounian A., Birkeland N.-K.

2014 27-27

http://tmmb.ysu.am/

Conference

THERMOSTABLE HYDROLYTIC ENZYME PRODUCING BACILLI ISOLATED FROM GEOTHERMAL SPRINGS OF ARMENIA AND NAGORNO-KARABAKH

Margaryan A., Panosyan H., Trchounian A., Hovhannisyan P., Vardanyan G.

2014 60-60

http://tmmb.ysu.am/

Conference

Термофильные бациллы, выделенные изгеотермальных источников Армении, как продуценты гидролитических ферментов

Маргарян А. А., Паносян О. А., Трчунян А. А., Оганнесян П. А., Варданян Г. Г.

2014 221

http://www.biology21.ru/ru

Conference

Thermus scotoductus, изолированный из горячего источника Карвачар

Сагателян А. Р., Маргарян А. А., Паносян О. А.., Трчунян А. А

2014 223-224

http://www.biology21.ru/ru

Conference

Thermostable a-amylase produced by Anoxibacillus flavitermus K103 isolated from an Armenian geothermal spring

Panosyan H.H., Margaryan A.A., Birkeland N.-K.

2014 673

http://onlinelibrary.wiley.com/doi/10.1111/febs.2014.281.issue-s1/issuetoc

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Study manual

Մանրէաբանության լաբորատոր աշխատանքներ, ուսումնամեթոդական ձեռնարկ
Թռչունյան Ա.Հ., Փանոսյան Հ.Հ., Բազուկյան Ի.Լ., Մարգարյան Ա.Ա., Պոպով Յու.Գ.

2014 316

Article

Functional, structural and phylogenetic analysis of domains underlying the Al sensitivity of the aluminum-activated malate/anion transporter, TaALMT1
Armine Margaryan, Ayalew Ligaba, Ingo Dreyer, David J. Schneider, Leon Kochian, Miguel Piñeros

Plant Journal 2013 766-780

http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1365-313X

Article

Heavy metal accumulation and the expression of the copA and nikA genes in Bacillus subtilis AG4 isolated from the Sotk Gold Mine in Armenia
A.A. Margaryan, H.H. Panosyan, A. Trchounian, N.-K. Birkeland

Biological Journal of Armenia 2013 51-57

http://www.flib.sci.am/eng/Biology/

Conference

Амилазная активность металлоустойчивой термофильной бактерии Bacillus subtilis AG4 в присутствие Cu(II), Ni(II), Zn(II) и Cd(II)
Маргарян А. А., Паносян О. А., Мкртчян А. С.

2013 31-32

http://www.biology21.ru/

Conference

Bacterial diversity in the Alaverdi Copper Smelter (Armenia)
Margaryan A., Panosyan H., Popov Y., Trchounian A., Birkeland N.-K.

2013 217

http://www2.kenes.com/fems2013/pages/home.aspx

Conference

The effect of combined heavy metal ions on copA, nikA and czcD genes expression of metal-resistant bacilli
Margaryan A., Birkeland N.-K., Panosyan H., Popov Y., Trchounian A.

2013 231

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