Gohar Hamlet Margaryan

gohar.margaryan@ysu.am

Faculty of Biology
Chair of Ecology and Nature Conservation
Lecturer

Faculty of Biology
Chair of Ecology and Nature Conservation
Lecturer

Faculty of Biology
Research Institute of Biology
Applied Ecology and Environmental Research Laboratory (AEER-Lab)
Junior Researcher

Education

Institution	Yerevan State University
Faculty	Biology
Date	2022 - 2025
Degree name	PhD student

Institution	Yerevan State University
Faculty	Biology
Date	2020 - 2022
Degree name	Masters

Institution	Yerevan State University
Faculty	Biology
Date	2016 - 2020
Degree name	Bachelor

Scientific Rank/degree

Institution	Yerevan State University
Date	2026
Degree name	Candidate
Scientific Supervisor	K.A. Ghazaryan
Research Topic	ASSESSMENT OF SALINIZATION DEGREE OF LANDS IN ARMAVIR REGION AND APPROACHES FOR THEIR IMPROVEMENT

Language skills

Work experience

Institution	Yerevan State University
Period of time	2025 till now
Rank/degree	կրտսեր գիտաշխատող

Institution	Yerevan State University
Period of time	2024 till now
Rank/degree	դասախոս

Institution	Yerevan State University
Period of time	2022 - 2022
Rank/degree	Lecturer

Participation in international conferences and seminars

19/03/2026 - 20/03/2026	Annual Scientific Conference of the Research Institute of Biology Yerevan Armenia
15/09/2025 - 18/09/2025	Catchment-River-Estuary: Studies of Soil Erosion, Channel and Estuary Processes Rostov-on-Don Russian Federation (the)
17/11/2023 - 22/11/2023	Pan-Armenian Scientific Conference 2023 Yerevan Armenia
24/09/2025 - 26/09/2025	Biological Sciences and Environmental Solutions for the Achievement of Sustainable Development Goals (SDGs) Yerevan Armenia
03/09/2025 - 06/09/2025	International Conference on Environmental Science and Technology (CEST) Kos Greece
22/05/2023 - 26/05/2023	The International Network of Salt-Affected Soils (INSAS), Managing salt-affected soils for sustainable future Tashkent Uzbekistan

12/11/2024 - 13/11/2024	Sustainable Water Management and Resource Adaptation: Security and Energy Nexus Paris France
07/06/2024 - 09/06/2024	Monitoring, protection and restoration of soil ecosystems under anthropogenic pressure Gelendzhik Russian Federation (the)

Publications

Article

Application of Advanced Methods for the Assessment of Irrigation Suitability of Groundwater: A Case Study of Armavir Region, Armenia

Anna Harutyunyan, Gohar Margaryan, Aram Gevorgyan, Hrant Khachatryan, Hasmik Movsesyan, Karen Ghazaryan, Singh, Abhishek

Advances in Science, Technology & Innovation (ASTI) 2026 227 - 233

https://link.springer.com/chapter/10.1007/978-3-032-06709-8_24

Article

Salinity tolerance and growth response of redroot pigweed (Amaranthus retroflexus L.): a comprehensive evaluation

Gohar Margaryan, Abhishek Singh, Vishnu D. Rajput, Mohamed Soliman Elshikh, Sapna Rawat, Karen Ghazaryan

PeerJ 2025 1-28

Article

Beyond science: ethical and societal considerations in the era of biogenic nanoparticles

Simran Choudhury, Indrani Bhattacharya, Shreni Agrawal, Abhishek Singh, Vishnu D. Rajput, Sakshi Singh, Gohar Margaryan, Rupesh Kumar Singh, Francisco Roberto Quiroz-Figueroa, Joa˜o Ricardo Sousa, Henrique Trindade, Hassan El-Ramady, Karen Ghazaryan

Biogenic Nanoparticles Interplay with Climate Change and Implications for Human Health 2025 55-78

Article

Chenopodium album L.: a promising NaCl accumulating and tolerant plant for mitigation of salinity stress

Ghazaryan K.A., Margaryan G.H., Minkina T.M., Rajput V.D., Movsesyan H.S.

Revista Brasileira de Botanica 2024 1-20

Article

Advancing Agricultural Resilience in Ararat Plain, Armenia: Utilizing Biogenic Nanoparticles and Biochar under Saline Environments to Optimize Food Security and Foster European Trade

Abhishek Singh, Gohar Margaryan, Anna Harutyunyan, Hasmik S. Movsesyan, Hrant Khachatryan, Vishnu D. Rajput, Tatiana Minkina, Athanasios Alexiou, Dimitrios Petropoulos, Athanasios Kriemadis, Hassan El-Ramady, Karen Ghazaryan

Egyptian Journal of Soil Science 2024 459-483

Article

SOIL SALINIZATION IN THE AGRICULTURAL LANDS OF ARMAVIR AND BAGHRAMYAN REGIONS

G. H. MARGARYAN

ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2024 95-106

Article

Unveiling the salinity tolerance potential of Armenian Dandur (Portulaca oleracea L.) genotypes: Enhancing sustainable agriculture and food security

Gohar Margaryan, Abhishek Singh, Hrant Khachatryan, Vishnu D Rajput, Tatiana Minkina, Dimitrios Petropoulos, Athanasios Kriemadis, Athanasios Alexiou, Mohamed S. Elshikh, Abd El-Zaher M.A. Mustafa, Karen Ghazaryan

Journal of King Saud University - Science 2024 103332

Article

Emerging technologies for sustainable soil management and precision farming

Abhishek Singh, Bhavana Tomar, Gohar Margaryan, Priyadarshani Rajput, Tatiana Minkina, Saglara Mandzhieva, Mohamed S. Elshikh, Shen-Ming Chena, Rupesh Kumar Singh, Hassan Ragab El-Ramady, Anil Kumar Singh, Omkar Singh, Karen Ghazaryan

Nanotechnology Applications and Innovations for Improved Soil Health 2024 210-235

Article

Soil Pollution: An Agricultural and Environmental Problem with Nanotechnological Remediation Opportunities and Challenges

Karen Ghazaryan, Shreni Agrawal, Gohar Margaryan, Anna Harutyunyan, Priyadarshani Rajput, Hasmik Movsesyan, Vishnu D. Rajput, Rupesh Kumar Singh, Tatiana Minkina, Mohamed S. Elshikh, Mona S. Alwahibi, Athanasios Alexiou, Marios Papadakis, João Ricardo Sousa, Abhishek Singh

Discover Sustainability 2024 1-33

Article

Enhancing crop food security in the Ararat Plain region of Armenia: harnessing arid soil resources and biogenic nanoparticles for salinity-resilient cultivation

Abhishek Singh, Karen Ghazaryan, Gohar Margaryan, Hrant Khachatryan, Vishnu D Rajput, Tatiana M. Minkina

Sustainable Agriculture: Nanotechnology, Biotechnology, Management and Food Security 2024 49-71

Article

ԷՋՄԻԱԾՆԻ ՏԱՐԱԾԱՇՐՋԱՆԻ ԳՅՈՒՂԱՏՆՏԵՍԱԿԱՆ ՆՇԱՆԱԿՈՒԹՅԱՆ ՀՈՂԱՏԱՐԱԾՔՆԵՐԻ ԱՂԱԿԱԼՎԱԾՈՒԹՅԱՆ ԱՍՏԻՃԱՆԻ ԳՆԱՀԱՏՈՒՄԸ

Գ.Հ. Մարգարյան, Հ.Է. Խաչատրյան, Կ.Ա. Ղազարյան

Biological Journal of Armenia 2023 32-43
