

# Gohar Hamlet Margaryan

## Faculty of Biology

Chair of Ecology and Nature Conservation

Lecturer

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## Education

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Faculty of Biology/Chair of Ecology and Nature Conservation
<b>Date</b>	2020 - 2022
<b>Degree name</b>	Masters

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Faculty of Biology/Chair of Ecology and Nature Conservation
<b>Date</b>	2016 - 2020
<b>Degree name</b>	Bachelor

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## Language skills

Հայերեն Русский English

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## Work experience

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<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2022 till now
<b>Rank/degree</b>	Lecturer

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## Publications

*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,

Joaõ Ricardo Sousa, Henrique Trindade, Hassan El-Ramady, Karen Ghazaryan

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

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*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

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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

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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

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Article

**SOIL SALINIZATION IN THE AGRICULTURAL LANDS OF ARMAVIR AND BAGHRAMYAN REGIONS**

G. H. MARGARYAN

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

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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

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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

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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

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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

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Article

**ԷԶՄԻԱՇՆԻ ՏԱՐԱԾԱԾՐՁԱՆԻ ԳՅՈՒՂԱՏՆՏԵՍԱԿԱՆ ՆՇԱՆԱԿՈՒԹՅԱՆ ՀՈՂԱՏԱՐԱԾՔՆԵՐԻ  
ԱՂԱԿԱԼՎԱԾՈՒԹՅԱՆ ԱՍՏԻՃԱՆԻ ԳՆԱՀԱՏՈՒՄԸ**

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

Հայաստանի կենսաբանական հանդես 2023 32-43

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