Anna Samvel Harutyunyan

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Faculty of Biology
Chair of Ecology and Nature Conservation
Lecturer

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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	2023 - 2026
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

Language skills

Հայերեն English Русский Deutsch

Work experience

Institution	Yerevan State University
Period of time	2025 till now
Rank/degree	Junior Researcher

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

Institution	Yerevan State University
Period of time	2022 - 2023
Rank/degree	Lecturer on an hourly basis

Institution	Yerevan State University
Period of time	2021 - 2025
Rank/degree	Senior laboratory assistant

Participation in international conferences and seminars

20/07/2026 - 26/07/2026	1st International Conference on Land Degradation and Restoration Valencia Spain
19/03/2026 - 20/03/2026	Annual Conference of the Institute of Biology Yerevan Armenia
24/09/2025 - 26/09/2025	International Conference of Biological Sciences and Environmental Solutions for the Achievement of Sustainable Development Goals (SDGs) Yerevan Armenia
03/09/2025 - 06/09/2025	19th International Conference on Environmental Science and Technology (CEST) Kos Island Greece
12/11/2024 - 14/11/2024	Sustainable Water Management, and Resource Adaptation (SWMRA) Paris France
07/06/2024 - 09/06/2024	Мониторинг, охрана и восстановление почвенных экосистем в условиях антропогенной нагрузки, III Международная молодежная научная школа Gelendzhik Russian Federation (the)
12/11/2023 - 22/11/2023	Pan-Armenian Conference-2023 Yerevan Armenia

22/05/2023 - 24/05/2023	FAO, The International Network of Salt-Affected Soils (INSAS), Managing salt-affected soils for sustainable future Tashkent Uzbekistan

Membership

Institution	Student Member of the Academic Council of the Faculty of Biology, YSU
Period of time	2018 - 2026

Publications

Article

Exploring the Resilience of Traditional Barley (Hordeum vulgare L.) Genotype in Mitigating Salinity Stress for Sustainable Agriculture and Food Security

Anna Harutyunyan, Abhishek Singh, Hrant Khachatryan, Hasmik Movsesyan, Karen Ghazaryan

Biological Science and Innovation for Achieving the Sustainable Development Goals 2026 39-60

https://www.igi-global.com/chapter/exploring-the-resilience-of-traditional-barl...

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

Adaptation and resilience: plants and microorganism responding to biogenic nanomaterial

Morishwala Mohammad Farhan, Shreni Agrawal, Indrani Bhattacharya, Abhishek Singh, Anna Harutyunyan, Hasmik Movsesyan, Rupesh Kumar Singh, Francisco Roberto Quiroz-Figueroa, Joa˜o Ricardo Sousa, Henrique Trindade, Mohamed S. Elshikh, Arunava Pradhan, Karen Ghazaryan

Biogenic Nanoparticles Interplay with Climate Change and Implications for Human Health 2025 227-255

Article

SALINITY STRESS RESPONSES AND PHYTODESALINATION POTENTIAL OF ARMENIANLOCAL WHEAT GENOTYPE

A.S. Harutyunyan

Proceedings of the YSU B Chemical and Biological Sciences 2025 122-133

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

Utilizing nanotechnology in agriculture: A balancing approach between environmental health and risks

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

Nanotechnology Applications and Innovations for Improved Soil Health 2024 380-399

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

ԷՋՄԻԱԾՆԻ ՏԱՐԱԾԱՇՐՋԱՆԻ ԳՐՈՒՆՏԱՅԻՆ ՋՐԵՐԻ ՈՌՈԳԵԼԻ ՀԱՏԿՈՒԹՅՈՒՆՆԵՐԻ ԳՆԱՀԱՏՈՒՄԸ ԸՍՏ ՈՐՈՇ ՀԻԴՐՈՔԻՄԻԱԿԱՆ ՑՈՒՑԱՆԻՇՆԵՐԻ

Ա.Ս. Հարությունյան, Հ.Է. Խաչատրյան, Կ.Ա.Ղազարյան

Biological Journal of Armenia 2023 13-21

Article

Study of tolerance and phytodesalination potential of wheat, oat, emmer, and barley for sustainable saline agriculture

GHAZARYAN, K.A., HARUTYUNYAN, A.S., KHACHATRYAN, H.E., SINGH, A., MINKINA, T.M., RAJPUT, V.D., MOVSESYAN, H.S.

Applied Ecology and Environmental Research 2023 4853-4882
