Anna Samvel Harutyunyan

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Faculty of Biology
Chair of Ecology and Nature Conservation
Lecturer

Education

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 Русский English

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	2022 - 2025
Rank/degree	Senior laboratory assistant

Participation in international conferences and seminars

12/11/2024 - 14/11/2024
Sustainable Water Management, and Resource Adaptation (SWMRA)
Université Paris Cité
France

22/05/2023 - 24/05/2023
2nd Meeting of the International Network of Salt-Affected Soils (INSAS), Managing salt-affected soils for sustainable future
FAO
Uzbekistan

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