

Anna Samvel Harutyunyan

Faculty of Biology
Chair of Ecology and Nature Conservation
Lecturer

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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

Scientific interests

- Water resources monitoring and management
- Ecological evaluation of the environment
- Soil ecology
- Nanotechnologies



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

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,
Joaõ 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

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,

Article
ԷԶՍԻԱԾՆԻ ՏԱՐԱԾԱՇՐՋԱՆԻ ԳՐՈՒՆՏԱՅԻՆ ՋՐԵՐԻ ՈՌՈԳԵԼԻ ՀԱՏԿՈՒԹՅՈՒՆՆԵՐԻ ԳՆԱՀԱՏՈՒՄԸ ԸՍՏ ՈՐՈՇ ՀԻՂՐՈՔԻՄԻԱԿԱՆ ՑՈՒՑԱՆԻՇՆԵՐԻ
Ա.Ս. Հարությունյան, Հ.Է. Խաչատրյան, Կ.Ա.Ղազարյան
Հայաստանի կենսաբանական հանդես 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
