

Anna Samvel Harutyunyan

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ℝ⁶   

Faculty of Biology

Chair of Ecology and Nature Conservation

Lecturer

Education

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

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

Language skills

Հայերեն Русский English

Work experience

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

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

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

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| 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

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| 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,
João 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 ARMENIAN LOCAL 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

ԷԶՄԻԱԾՆԻ ՏԱՐԱԾԱՇՐՉԱՆԻ ԳՐՈՒՆՏԱՅԻՆ ԶՐԵՐԻ 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
