Ani Karen Hayrapetyan

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Research Institute of Biology
Applied Ecology and Environmental Research Laboratory (AEER- Lab)
Junior Researcher

Faculty of Biology
Research Institute of Biology
Applied Ecology and Environmental Research Laboratory (AEER-Lab)
Junior Researcher

Faculty of Biology
Chair of Ecology and Nature Conservation
Senior laboratory assistant

Education

Institution	Yerevan State University
Faculty	Faculty of Biology
Date	2021 - 2023
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Biology
Date	2017 - 2021
Degree name	Bachelor

Language skills

Հայերեն Русский English

Work experience

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

Institution	Yerevan State University
Period of time	2023 - 2024
Rank/degree	senior laboratory assistant

Institution	"ARARAT" FOOD FACTORY

Period of time	2021 till now
Rank/degree	laboratory assistant

Publications

Article

Sustainable Management of Saline Soils: Insights into Organic Amendments for Enhancing Soil Health and Crop Resilience

Abhishek Singh, Armine Chakhmakhchyan, Nare Darbinyan, Sakshi Singh, Ani Hayrapetyan, Rupesh Kumar Singh, João Ricardo Sousa, Derdzyan Tatevik, Hrant Khachatryan, Karen Ghazaryan

Biogeosystem Technique 2025 36-47

Article

Nanoshields: harnessing biogenic nanomaterials to combat the adverse effects of heavy metal stress

Simran Choudhury, Nishi Patel, Shreni Agrawal, Indrani Bhattacharya, Abhishek Singh, Armine Chakhmakhchyan, Ani Hayrapetyan, Rupesh Kumar Singh, Francisco Roberto Quiroz-Figueroa, Joa˜o Ricardo Sousa, Henrique Trindade, Mohamed S. Elshikh, Arunava Pradhan, Priyadarshani Rajput, Karen Ghazaryan

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Impact of Different Methods Priming on Germination of Different Genotypes of Wheat (Triticum Aestivum L.) Under Salinity Stress

Nare Darbinyan, Armine Chakhmakhchyan, Ani Hayrapetyan, Abhishek Singh, Sakshi Singh, Karen Ghazaryan

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Conference

Nanoparticle-Mediated Alleviation of Copper Heavy Metal Stress in Armenian Barley (Hordeum vulgare L.) Genotypes to Enhance Germination and Seedling Growth Traits

Ani Hayrapetyan, Abhishek Singh, Armine Chakhmakhchyan, Nare Darbinyan, Sakshi Singh, Karen Ghazaryan

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Carnivorous fungi application for pesticide-free vegetable cultivation

Alexander Yesayan, Tigran Yesayan, Bella Babayan, Syuzanna Esoyan, Ani Hayrapetyan, Garegin Sevoyan, Armine Chakhmakhchyan, Siranush Nanagulyan, Marina Melkumyan

Functional Food Science 2024 325-336

Article

Sustainable methods for producing food-derived bioactive compounds

Aram R. Mikaelyan, Samvel A. Bagdasaryan, Alexander H. Yesayan, Tigran A. Yesayan, Ani K. Hayrapetyan, Bella G. Babayan, Marina A. Melkumyan, Vardan Sargsyan

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Article

Impact of ceramic packaging on the quality and safety of Armenian fermented dairy product Matsoun

Syuzanna S. Esoyan, Ani K. Hayrapetyan, Tigran A. Yesayan, Armine E. Sargsyan,

Armine D. Chakhmakhchyan, Bella G. Babayan, Garegin G. Sevoyan, Aleksandr H. Yesayan

Functional Food Science 2024 370-379

Article

Traditional vegetarian food products in villages of Syunik, Armenia: Technogenic contamination risks assessment

Garegin G. Sevoyan, Karen A. Ghazaryan, Tigran A. Yesayan, Ani K. Hayrapetyan, Seyran H. Minasyan,

Bella G. Babayan, Ivan G. Gabrielyan, Syuzanna S. Esoyan, Armine D. Chakhmakhchyan,

Anna M. Grigoryan, Marina A. Melkumyan, Alexander H. Yesayan

Functional Food Science 2024 380-389

Article

The preliminary study of antifungal and antibacterial properties of wine by-products

Ani K. Hayrapetyan, Tigran A. Yesayan, Armine D. Chakhmakhchyan, Bella G. Babayan,

Garegin G. Sevoyan, Alexander H. Yesayan, Syuzanna S. Esoyan

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Carnivorous Fungi: Innovative Safe Alternative Against The Agricultural Worm Pests

A. H. Yesayan, T. A. Yesayan, B. G. Babayan, G. G. Sevoyan, S. S. Esoyan, A. K. Hayrapetyan,

A. D. Chakhmakhchyan

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CARNIVOROUS FUNGI APPLICATION PERSPECTIVES FOR PESTICIDE- FREE VEGETABLES CULTIVATION

Alexander Yesayan, Tigran Yesayan, Bella Babayan, Syuzanna Esoyan, Ani Hayrapetyan,

Garegin Sevoyan, Armine Chakhmakhchyan, Siranush Nanagulyan, Marina Melkumyan

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