Nare Hovik Darbinyan

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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
STEM School
Tutor

Education

Institution	Yerevan State University
Faculty	Faculty of Biology
Date	2023 - 2025
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Biology
Date	2019 - 2023
Degree name	Bachelor

Language skills

Հայերեն Русский English

Work experience

Institution	Biological Research Institute
Period of time	2025 till now
Rank/degree	Senior laboratory assistant

Participation in international conferences and seminars

24/09/2025 - 26/09/2025	"Biological Sciences and Environmental Solutions for the Achievement of Sustainable Development Goals (SDGs)" YSU Armenia

State awards and honorary titles

2024 "YSU Best Student-2024"

Publications

Article

A Combined Approaches of Biochar and ZnO Nanoparticle-Based Nanopriming for Enhancement of Wheat (Triticum aestivum L.) Seed Germination Indices Under Salinity Stress

Armine Chakhmakhchyan, Nare Darbinyan, Abhishek Singh, Karen Ghazaryan

Journal of Innovative Solutions for Eco-Environmental Sustainability 2026 1-12

https://doi.org/10.46991/jisees.2026.02.1.14078

Article

Effect of Nanoparticles on Germination and Seedling Tolerance Traits of Armenian Genotypes of Wheat (Triticum aestivum L.) Under Salinity Stress

Armine David Chakhmakhchyan, Abhishek Singh, Nare Darbinyan, Sakshi Singh, Karen Ghazaryan

Biological Science and Innovation for Achieving the Sustainable Development Goals 2026 85 - 102

https://doi.org/10.4018/979-8-3373-1524-9.ch005

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

Foliar and soil application dynamics: investigating the transport and mechanism of biogenic nanoparticles in the plant tissues

Shivangee Solanki, Shreni Agrawal, Indrani Bhattacharya, Abhishek Singh, Darbinyan Nare,

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 209-226

Conference

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

2025 56 - 56

https://www.ysu.am/en/conference/869

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

2025 53 - 53

https://www.ysu.am/en/conference/869

Conference

Effect of Nanoparticles on Germination and Seedling Tolerance Traits of Armenian Genotypes of Wheat (Triticum Aestivum L.) Under Salinity Stress

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

2025 54 - 54

https://www.ysu.am/en/conference/869

Article

Revolutionizing sustainable agriculture with nano-priming technology: A leap towards resilient and high-yield crops

Divya Pandey, Abhishek Singh, Nare Darbinyan, Armine David Chakhmakhchyan, Shipra Singh Parmar,

Karen Ghazaryan

Nanotechnology Applications and Innovations for Improved Soil Health 2024 305-315