

# Армине Давидовна Чахмахчян

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## Научно-исследовательский институт биологии

Կիրառական Էկոլոգիայի և շրջակա միջավայրի հետազոտությունների  
լաբորատորիա  
Старший лаборант

## Образование

Учреждение	Ереванский государственный университет
Факультет	Факультет биологии, кафедра биохимии
Дата	1993 - 1998
Степень / Звание	Магистр

## Знание языков

Русский English

## Опыт работы

Учреждение	Ереванский государственный университет
Период времени	2022 до настоящего времени
Звание/степень	старший лаборант

## Публикации

Статья

### 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

Статья

### 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, Joaõ Ricardo Sousa, Henrique Trindade, Mohamed S. Elshikh, Arunava Pradhan, Priyadarshani Rajput, Karen Ghazaryan  
Biogenic Nanoparticles Interplay with Climate Change and Implications for Human Health 2025 323-344

Статья

### Impact of nano-enzyme and nanomics for sustainable agriculture: Current status and future

**prospective**

Shivangi Singh, Omkar Singh, Sakshi Singh, Abhishek Singh, Vishnu D. Rajput, Karen Ghazaryan, Vaishali Singh, Athanasios Alexiou, Abdel Rahman Mohammad Said Al-Tawaha, Aleksandr Yesayan, Armine David Chakhmakhchyan, Hassan El-Ramady  
Harnessing NanoOmics and Nanozymes for Sustainable Agriculture 2024 1-18

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*Статья***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

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*Статья***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

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*Статья***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

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*Статья***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

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*Статья***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  
Bioactive Compounds in Health and Disease 2024 570-580

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*Конференция***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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*Конференция***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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*Конференция*

**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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*Конференция*

**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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*Конференция*

**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

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