

# Mariam Zareyan

## CONTACT INFORMATION

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Science social networks: [https://www.researchgate.net/profile/Mariam-Zareyan?ev=hdr\\_xprf](https://www.researchgate.net/profile/Mariam-Zareyan?ev=hdr_xprf)

## EDUCATION AND ACADEMIC DEGREE

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- 2022– present PhD student in the area of Biology, field of Plant Physiology, branch of Plant drought stress. Research: Physiological and genetic reactions of plants to drought under the influence of probiotic microorganisms and calcium
- 2020 – 2022 Master’s degree: Life sciences. Study field: Molecular Biology. University: Vilnius University, Vilnius, Lithuania  
Graduation thesis: “Molecular and biochemical responses of wheat to drought by application of probiotics, proline, and calcium”
- 2014 – 2018 Bachelor of Science: Biochemistry & Qualification of a Teacher “Biochemistry”. University: Yerevan State University, Yerevan, Armenia  
Graduation thesis: “The peculiarities of antioxidant activity of *Alkana Orientalis* (L.) Boiss. Isolated culture extract”

## PROFESSIONAL EXPERIENCE

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- 2018 –2020 Teacher-Leader  
Organization: Teach for Armenia  
2-year Leadership Development Program- “Leadership Through Teaching and Community Impact”  
Placement Community:  
Geghamasar  
School: Geghamasar village secondary school  
Teaching subjects: Science, Biology  
Community impact project: Waste disposal, collection and recycling

## RESEARCH INTERESTS

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**Research area:** plant physiology, research of plant resistance to unfavorable abiotic conditions, influence of microorganisms and calcium to the resistance of plants to drought.

**Methods used:** plant morphological analysis, analysis of biochemical processes in plants, research of changes in gene expression under drought conditions.

## PUBLICATIONS

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1. Zareyan M., Sahakyan N., Petrosyan M., Trchounian A. ANTIOXIDANT ACTIVITY OF STIZOLOPHUS BALSAMITA LAM. IN VITRO CULTURE, 2017 <http://www.y-su.am/files/7-1543221225-.PDF>
2. “In vitro antioxidant potential of ethanol extracts of different plants from Armenian flora” WGs Meeting of the NutRedOx COST Action CA16112 «Towards a Redox Healthy Aging» 2018

## PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

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**INTERNSHIP AND TRAINING**

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2021 Erasmus+ traineeship: Plant & Environmental Biotechnology Laboratory at the University of Thessaly, Larissa, Greece

**PARTICIPATION IN SCIENTIFIC CONFERENCES**

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***International scientific conferences:***

2017 The 6-th international conference on “Modern problems of plants soilless (hydroponics) and tissue in vitro cultures”

**OTHERS**

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Volunteering

2016-2017

Organizer and moderator of the training “Bone marrow transplantation & blood stem cells” and volunteer action of “Be a stem cell donor”.