

# Inesa Henrigh Semerjyan

## Faculty of Biology

Office of the Faculty of Biology  
Specialist on Administrative Affairs

☎ 45-36

✉ isemerjyan@ysu.am

   R<sup>6</sup> 

## Education

---

<b>Institution</b>	Yerevan State Universty
<b>Faculty</b>	Faculty of biology
<b>Date</b>	1992 - 1997
<b>Degree name</b>	Masters

---

## Scientific Rank/degree

---

<b>Institution</b>	Yerevan State University
<b>Date</b>	2007
<b>Degree name</b>	Candidate
<b>Specialty</b>	Biological sciences
<b>Scientific Supervisor</b>	Grigoryan K.V
<b>Research Topic</b>	Enzymatic activity of soil as indicator of degree of cultivation of soil.

---

## Language skills

English Русский

---

## Work experience

---

<b>Institution</b>	YSU Faculty of Biology
<b>Period of time</b>	2023 till now
<b>Rank/degree</b>	administration specialist, lecturer

---

<b>Institution</b>	YSU Faculty of Biology
<b>Period of time</b>	2015 till now
<b>Rank/degree</b>	assistant professor

---

<b>Institution</b>	YSU Faculty of Biology
<b>Period of time</b>	1997 - 2015
<b>Rank/degree</b>	Senior assistant

---

## Other information

## Publications

### Article

#### **Characterization and antibacterial/cytotoxic activity of silver nanoparticles synthesized from Dicranum scoparium moss extracts growing in Armenia**

Gayane Semerjyan, Inesa Semerjyan, Mikayel Ginovyan, Nikolay Avtandilyan

AIMS Biophysics 2025 29–42

### Article

#### **Anti-candida activity of Lacticaseibacillus rhamnosus R-2002 and its possible application in candidiasis prevention**

Bazukyan Inga, Aleksanyan Tigran, Hakobyan Lusine, Harutyunyan Ruzanna, Semerjyan Inesa,

Nahapetyan Nelli, Gharibyan Edita, Haertlé Thomas

Iranian Journal of Microbiology 2025 441-450

### Article

#### **Effects of Mentha piperita L. and Stevia rebaudiana extracts on the growth of lactic acid bacteria and their potential for functional food development**

Tigran Aleksanyan, Vrezh Poghosyan, Ruzanna Harutyunyan, Inesa Semerjyan, Lusya Hovhannisyan,

Thomas Haertlé, Inga Bazukyan

Functional Food Science 2025 436-449

### Article

#### **ANTIOXIDANT AND ANTIFUNGAL PROPERTIES OF MOSSES COMMON IN ARMENIA**

G.H.Semerjyan, I.H.Semerjyan

Proceedings of the YSU B: Chemical and Biological Sciences 2024 44-53

### Article

#### **ANTIOXIDANT ACTIVITY OF EXTRACT FROM THREE SPECIES OF MOSSES: PLAGIOMNIUM CUSPIDATUM, MNIUM SPINOSUM, ANOMODON VITICULOSUS**

G.H.Semerjyan, I.H.Semerjyan

Հայաստանի կենսաբանական հանդես 2022 79-86

### Article

#### **INVESTIGATION OF AMINO ACID COMPOSITION OF SOME MOSSES GATHERED FROM ARMENIA**

G.H. Semerjyan, I.H Semerjyan

Proceedings of the YSU B: Chemical and Biological Sciences 2021 290-295

### Article

#### **ԵԼԱՆՅՈՒԹԻ ԱՂԲՅՈՒՐԻ ԵՎ ՈՐՈՇ ՖԻԶԻԿԱԹԻՄԻԱԿԱՆ ԳՈՐԾՈՆՆԵՐԻ ԱԶԴԵՑՈՒԹՅՈՒՆԸ ՍԿԵՐԻ ՑԵԼՅՈՒԼԱԶԻ ԱԿՏԻՎՈՒԹՅԱՆ ՎՐԱ**

Հ.Հ Սեմերջյան, Ի.Հ Սեմերջյան, Գ.Հ.Սեմերջյան, Ա.Հ.Թռչունյան

Հայաստանի կենսաբանական հանդես 2020 152-158

### Article

#### **Antibacterial Properties and Flavonoids Content of Some Mosses Common in Armenia**

Inesa Semerjyan, Gayane Semerjyan, Henrikh Semerjyan, Armen Trchounian

*Article*

**Crupina vulgaris Cass. in vitro culture obtaining**

Semerjyan I., Petrosyan M., Sahakyan N., Trchounian A.

Հայաստանի կենսաբանական հանդես 2017 163-166

<http://biology.asj-oa.am/>

---

*Article*

**Լեռնային սովորական սևահողերի ֆերմենտային ակտիվությունը**

Ի.Հ.Սեմերջյան

Հայաստանի կենսաբանական հանդես 2004 87-92

<http://www.flib.sci.am/eng/Biology/>

---

*Conference*

**Влияние гипоксии на дезаминирование пуриновых нуклеотидов**

Г.Г.Семерджян, И.Г.Семерджян, Г.А.Семерджян, А.А.Трчунян

---

*Conference*

**Biochemical Composition and Antioxidant Property of Some Bryophytes Common in Armenia**

G.Semerjyan, I.Semerjyan, A.Trchounian

---

*Conference*

**BIOLOGICAL ACTIVITY OF ARMENIAN HONEY BEES' VENOM AND LACTIC ACID BACTERIA ISOLATED FROM HONEYBEES' GUT**

Anahit Sahakyan, Nelli Vardazaryan, Mery Qocharyan, Nikolay Avtandilyan, Inessa Semerjyan,

Inga Bazukyan

---

*Conference*

**Territorial and seasonal variations in the honeybee gut microbiome in Armenia**

Tigran Aleksanyan, Ruzanna Harutyunyan, Inesa Semerjyan, Svetoslav Dimov, Inga Bazukyan

---

*Conference*

**Screening of lactic acid bacteria strains with strong antagonistic activity, isolated from the vaginal microbiome**

T. Aleksanyan, R. Harutyunyan, I. Smerjyan, E. Gharibyan, I. Bazukyan

---

*Conference*

**The Study of The Microbiome of Cheeses From Different Regions of Armenia and the Use of Lactic Acid Bacteria Isolated From hem in Cheese Making**

Ruzanna Harutyunyan, Tigran Aleksanyan, Inesa Semerjyan, Svetoslav Dimov, Inga Bazukyan

---

*Conference*

**Biological Activities of Scorpion Venom and Hemolymph from Two Armenian Species**

Ani Aghajanyan, Tigran Aleksanyan, Inesa Semerjyan, T. Ghrejyan, G. Karagyan, M. Kalashian,

Inga Bazukyan

---

*Conference*

**Bee Venom as a Source of Novel Antimicrobial Agents: A Regional Study from Armenia**

Inesa Semerjyan, Melanya Grigoryan, Svetlana Hovhannisyan, Nikolay Avtandilyan, Peter Vandamme,  
Inga Bazukyan

---

*Conference*

**Identification of Vaginal Lactic Acid Bacteria Using Classical Microbiological Techniques and MALDI-TOF MS**

Ruzanna Harutyunyan, Tigran Aleksanyan, Inesa Semerjyan, Edita Gharibyan, Margo Cnockaert,  
Peter Vandamme, Inga Bazukyan

---

*Conference*

**The Influence of Dicranium scoparium Moss Extract on the Growth of the Yeast Candida guilliermondii NP-4**

Gayane Semerjyan, Inesa Semerjyan, Syuzan Marutyan, Hasmik Karapetyan, Hripsime Ter-Sahakyan,  
Seda Marutyan

---