

# Anahit Mchita Hovhannisyan

## Institute of Pharmacy

Chair of Pharmaceutical Technology and Pharmacy Economics and Management

Head of the chair, associate professor

34-20  
(060) 71-04-20

anhovhannisyan@ysu.am



## Education

<b>Institution</b>	Yerevan state university
<b>Faculty</b>	Biology faculty, chair of biochemistry
<b>Date</b>	1981 - 1986
<b>Degree name</b>	Qualified specialist

## Scientific Rank/degree

<b>Institution</b>	“Study of the metabolic activity of non- protein new amino acids and peptides”, Scientific and Production Centre “Armbiotechnology” NAS RA (P.H.D. 03.00.14)
<b>Date</b>	2010
<b>Degree name</b>	Associate professor
<b>Specialty</b>	Biological sciences

## Language skills

Русский

## Work experience

<b>Institution</b>	YSU
<b>Period of time</b>	2000 till now
<b>Rank/degree</b>	The head of chair

## Scientific interests

- Antibiotic resistance problems

## Participation in international conferences and seminars

<b>13/12/2022 - 23/12/2022</b>	Screening of bioactive compounds seminar A.N.Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences
------------------------------------	---

## Publications

---

Article

**COMPARATIVE STUDY OF FATTY ACIDS FORMATION IN NATURAL AND GENETICALLY MODIFIED BLACKBERRY SEEDS**

S. A. DADAYAN, A. S. POGHOSYAN, L. A. ARSTAMYAN, A. M. HOVHANNISYAN, S. G. GHAZARYAN, M. A. SHEYRANYAN, A. S. DADAYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2024 114-120

---

Article

**Targeted synthesis of dipeptides containing derivatives of (S)-phenylalanine and study of their antifungal activity**

Tatevik Sargsyan, Lala Stepanyan, Monika Israyelyan, Heghine Hakobyan, Nune Khachaturyan, Sona Gevorgyan, Anahit Hovhannisyan, Silva Zhamharyan

Pharmacia 2024 1-6

---

Article

**COMPARATIVE STUDY OF THE CONTENT OF ANTHOCYANINS IN THE FRUITS OF BLUEBERRIES, BLACKBERRIES AND BLACKCURRANTS. DEVELOPMENT OF A TECHNOLOGICAL METHOD FOR OBTAINING PARTIALLY PURIFIED NEW-GALENIC EXTRACTS**

A. S. DADAYAN, A. S. POGHOSYAN, S. G. GHAZARYAN, A. M. HOVHANNISYAN, M. S. GHAZARYAN,

S. A. DADAYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2023 100-109

---

Article

**THE STUDY OF ANTIOXIDANT ACTIVITY OF BIOLOGICALLY ACTIVE SUBSTANCES IN THE ALCOHOL EXTRACT OF NETTLE LEAVES**

S. A. APOYAN, S.M. VARDAPETYAN, G.F. MKRTCHYAN, A.M. HOVHANNISYAN

ԵՊՀ գիտական տեղեկագիր. Թիմիա և կենսաբանություն: 2023 207-213

---

Article

**STUDY OF OIL AND POMACE FROM GRAPE SEEDS FOR THE IDENTIFICATION OF PREREQUISITES OF THEIR COMPLEX PROCESSING**

T.H. SARGSYAN, A.S. DADAYAN, E.V. MINASYAN, A. M. HOVHANNISYAN, L.A. STEPANYAN,

A.S. POGOSYAN, M.H. ISRAYELYAN, S.A. DADAYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2022 18-30

---

Article

**COMPARATIVE STUDY OF FATTY ACID COMPOSITION OF WHITE AND BLACK SESAME OILS AND DEVELOPMENT OF A RELATIVELY EFFICIENT METHOD FOR ISOLATING THE NATURAL ANTIOXIDANT SESAMOL**

A. S. Dadayan, A. S. Poghosyan, S. G. Ghazaryan, E.V. Minasyan, A. M. Hovhannisyan, S. A. Dadayan

Proceedings of the YSU B: Chemical and Biological Sciences 2022 203-217

---

Article

**THE INFLUENCE OF NON-PROTEIN AMINO ACIDS AND PEPTIDES ON BACTERIAL COLLAGENASE**

A. M. HOVHANNISYAN, A. S. SARGSYAN, A. J. KARAPETYAN, L. A. HAYRIYAN, M. A. MELKUMYAN,  
G. G. OGANEZOVA, N. S. AVETISYAN, N. A. HOVHANNISYAN

ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2022 126-130

---

*Article*

**QUANTITATIVE DETERMINATION OF TANNIN IN NETTLE BY SPECTROPHOTOMETRIC AND CHROMATOGRAPHIC METHODS**

S. H. APOYAN, S. M. VARDAPETYAN, A. M. HOVHANNISYAN, G. F. MKRTCHYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2021 p. 12-15

---

*Article*

**Quantitative analysis of biologically active substances and the investigation of antioxidant and antimicrobial activities of some extracts of Osage orange fruits**

Ani Slavik Dadayan, Lala Ashot Stepanyan, Tatevik Hovhannes Sargsyan, Anahit Mkhitar Hovhannisyan,

Slavik Arshak Dadayan

Pharmacia 2021 731-739

---

*Article*

**STUDY OF PEPTIDES BIOACTIVITY SYNTHESIZED ON THE BASIS OF (S)- $\alpha$ -ALLYLGLYCINE NON-PROTEIN AMINO ACID**

T.H. SARGSYAN, A.M. HOVHANNISYAN, G.F. MKRTCHYAN, A.S. SARGSYAN

Chemical Journal of Armenia 2021 48-56

---

*Article*

**Образование ассоциатов хлорофилла в растворах ацетона и этанола**

Апоян, С. А, Оганисян, А. М, Вардапетян, С. М., Мкртчян, Г. Ф.

Химический Журнал Армении 2019 25-33

---

*Article*

**Исследования стабильности плазмид антибиотикорезистентности у почвенных условно-патогенных штаммов *Stenotrophomonas* и *Pseudomonas***

Бабаян Б.Г., Саргсян А.С., Багдасарян С.А, Мелкумян М.А., Давидян Т.С, Оганесян Н.А,

Оганесян А.М.

Авиценна 2019 13-17

---

*Article*

**RESISTANCE TO  $\beta$ -LACTAM ANTIBIOTICS IN SOME SOIL STENOTROPHOMONAS AND PSEUDOMONAS.**

Hovhannisyan A.M., Hovhannisyan N. A., Babayan B.G., Sargsyan A.S., Davidyan T.S.

The scientific heritage 2019 32-38

---

*Manual*

**Փափուկ դեղածուցեր (դեղատնային տեխնոլոգիա)**

Ա.Հովհաննիսյան, Գ.Մկրտչյան

2019 196

---

*Article*

**Heterocyclic substituted non-protein amino acids as inhibitors of *Clostridium histolyticum* collagenase**

A.M. Hovhannisyán, N. A. Hovhannisyán, A. G. Mkrtchyan, A.S. Sargsyan, B.G Babayan, N. S. Avetisyan  
Հայաստանի կենսաբանական հանդես 2018 12-15

[http://biology.asj-oa.am/view/people/Hovhannisyán=3AA=2E\\_M=2E=3A=3A.html](http://biology.asj-oa.am/view/people/Hovhannisyán=3AA=2E_M=2E=3A=3A.html)

---

*Article*

**TARGETED SYNTHESIS OF 9-FLUORENYLMETHYLOXYCARBONYLGLYCYL-(S)- $\beta$ -[4-ALLYL-3-PROPYL-5-THIOXO-1,2,4-TRIAZOL-1-YL]- $\alpha$ -ALANINE AND STUDY OF ITS EFFECT ON COLLAGENASE ACTIVITY**

T. H. SARGSYAN, Yu. M. DANGHYAN, S. M. JAMGARYAN, A. S. SARGSYAN, E. A. GYULUMYAN,  
H. A. PANOSYAN, N. A. HOVHANNISYAN, A. M. HOVHANNISYAN, A. H. TSATURYAN, A. S. SAGHYAN  
Chemical Journal of Armenia 2018 571-578

---

*Article*

**RESPONSE OF MULTIDRUG-RESISTANT PSEUDOMONAS AERUGINOSA STRAINS TO ACTION OF SYNTHETIC AMINO ACIDS AND PEPTIDES**

A. M. HOVHANNISYAN, N. A. HOVHANNISYAN, N. S. AVETISYAN, M. A. MELKUMYAN, G. G. OGANEZOVA,  
M. H. KINOSYAN, M. B. CHITCHYAN

ԵՊՀ Գիտական տեղեկագիր, Բնական գիտություններ 2017 54-57

<http://ysu.am/science/hy/1355990920>

---

*Article*

**АМИНОКИСЛОТНЫЙ И МИНЕРАЛЬНЫЙ СОСТАВ НАДЗЕМНОЙ ЧАСТИ CHAMERION ANGSTIFOLIUM (L.) HOLUB**

A. С. ДАДАЯН, С. А. ДАДАЯН, Л. А. СТЕПАНЯН, Г. Ц. ОВСЕПЯН, А. Р. ПЕТРОСЯН, М. Б. ГАСОЯН,  
А. М. ОГАННЕСЯН, Е. А. КАЛАШНИКОВА

Հայաստանի քիմիական հանդես 2017 558-564

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

---

*Article*

**New generations of optically active non-proteinogenic  $\alpha$ -amino acids, synthesis and study**

Hovhannisyán A. M., Saghyán A. S., Mkrtchyan A. F., Simonyan H. M

Հայաստանի քիմիական հանդես 2016 81-101

<http://www.flib.sci.am/eng/Qimia/Frame.html>

---

*Manual*

**Հեղուկ դեղաձևեր**

Ա.Հովհաննիսյան

2016 154

---

*Conference*

**Novel synthetic peptides inhibiting the growth of multi-drug resistant Pseudomonas aeruginosa strains**

A.Hovhannisyán, N.Hovhannisyán, G. Oganezova, M.Melkumyan, N. Avetisyan, M.Kinosyan, M.Chitchyan

---

*Conference*

**Synthesis and PASS prediction novel biologically active short peptides**

A.Hovhannisyán, T.A. Sargsyan, S.M. Jamgaryan, E.A. Gyulumyan, Yu. M. Danghyán, A.H.Tsaturyan,

A.S. Saghyán

---

Conference

**MODELING OF DIPEPTIDES CONTAINING POTENTIAL BIOLOGICALLY ACTIVE (S)- $\alpha$ -PROPARGYLGYCINE, DISCLOSURE OF POSSIBLE BIOLOGICAL PROPERTIES AND TARGETED SYNTHESIS**

T.H. Sargsyan, A.H. Tsaturyan, A.M. Hovhannisyan, A.S. Saghyan

---

Conference

**Synthesis and PASS prediction novel biologically active short peptides**

T.H. Sargsyan, N. Hovhannisyan, A.S. Saghyan, A.M. Hovhannisyan, A.H. Tsaturyan, S.M. Jamgaryan, E. A. Gyulumyan, Yu. M. Danghyan

---

Conference

**Novel synthetic amino acids and peptides demonstrating pharmacological properties**

A.Hovhannisyan, N. Hovhannisyan, N. Avetisyan, A. Mkrtchyan, G. Oganezova, M. Melkumyan, M.Chitchyan, A.Sargsyan

---

Conference

**Plasmids isolated from Pseudomonas aeruginosa soil strains carry the genes providing antibiotic resistance**

A.Hovhannisyan, N. Hovhannisyan, A. Mkrtchyan, A. Sargsyan, B. Babayan

---

Conference

**Modeling, synthesis and study of impact of peptides containing unsaturated double bond amino acids on collagenase activity**

T. Sargsyan, T.Khachatryan, A.S. Sargsyan, L.Yu. Danghyan, S.M. Jamgaryan, E.A.Gyulumyan, N. A. Hovhannisyan, L.A. Hayriyan, A.M. Hovhannisyan, A. H. Tsaturyan, A.S. Saghyan

---

Conference

**The Research of Aminoglycoside Resistance Spread in Non-Pathogenic Strains of Pseudomonas Isolated From Soil**

A.Hovhannisyan, N. Hovhannisyan, A.Sargsyan, B. Babayan, M. Kinosyan, T.Davidyan, S. Bagdasaryan, M.Melkumyan, G.Oganezova

---

Conference

**Study of the formation of chlorophyll associates in solutions of acetone and ethanol**

S.Apoyan, A. Hovhannisyan, S. Vardapetyan, G. Mkrtchyan

---

Conference

**The research on sesquiterpene lactone in bitter wormwood growing in Armenia**

A.Mkrtchyan, L.Samsonyan, A. Hovhannisyan

---

Conference

**“Study on stability of soil Pseudomonas and Xanthomonas plasmids possessing antibiotic resistance genes”**

Hovhannisyan N.A., Babayan B.G., Sargsyan A.S., Bagdasaryan S.A, Hovhannisyan A.M.

---

Conference

**Modeling, synthesis and study of impact of N-t-BOC-(S)- $\beta$ -[4-allyl-3-(pyridin-3'-yl)-5-thioxo-1,2,4-triazol-1-yl]- $\alpha$ -alanyl-(S)-alanyl-glycyl- (S)-  $\beta$ -[4-allyl-3-(pyridin-3'-yl)-5-thioxo-1,2,4-**

**triazol**

T. Sargsyan, A. Sargsyan, Yu. Danghyan, S. Jamgaryan, E. Gyulumyan, A. Hovhannisyan,  
N. Hovhannisyan, A. Tsaturyan, A. Saghyan

---

*Conference*

**Developing Soft Skills in the Path of Integration of Immunology and Vaccinology Course in  
the Yerevan State University Curricula**

L. Niazyan, A. Grigoryan, H. Panosyan, I. Bazukyan, A. Hovhannisyan, T. Abgaryan, Z. Aleksanyan,  
K. Sargsyan, A. Karapetyan

---