

# Tatevik Hovhannes Sargsyan

**Institute of Pharmacy**  
Chair of Biomedical Sciences  
Associate professor

☎ 34-25  
✉ tatev-sargsyan@ysu.am

## 🎓 Education

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Chemistry and Pharmaceutical Chemistry
<b>Date</b>	2001 - 2006
<b>Degree name</b>	Qualified specialist

## 🎓 Scientific Rank/degree

<b>Institution</b>	Yerevan State University
<b>Date</b>	2022
<b>Degree name</b>	Associate professor
<b>Specialty</b>	Pharmaceutical sciences

<b>Institution</b>	"Armbiotechnology" Scientific and Production Center
<b>Date</b>	2012
<b>Degree name</b>	Candidate
<b>Specialty</b>	Chemical sciences
<b>Scientific Supervisor</b>	Ashot Saghyan; Yuri Danghyan
<b>Research Topic</b>	Ֆունկցիոնալ տեղակալված ոչ սպիտակուցային $\alpha$ -ամինաթթուներ պարունակող դի- և տրիպեպտիդների սինթեզը և դրանց ազդեցությունը պրոտեազների վրա

## 🌐 Language skills

Հայերեն Русский English

## 📁 Work experience

<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2022 till now
<b>Rank/degree</b>	Associate Professor

<b>Institution</b>	"Armbiotechnology" Scientific and Production Center
<b>Period of time</b>	2020 till now
<b>Rank/degree</b>	Senior Researcher

<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2015 - 2022
<b>Rank/degree</b>	Assistant

---

<b>Institution</b>	"Armbiotechnology" Scientific and Production Center
<b>Period of time</b>	2012 - 2020
<b>Rank/degree</b>	Researcher

---

<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2012 - 2015
<b>Rank/degree</b>	Laboratory assistant

---

<b>Institution</b>	"Armbiotechnology" Scientific and Production Center
<b>Period of time</b>	2006 - 2012
<b>Rank/degree</b>	Junior Researcher

---

## Scientific interests

---

- peptide synthesis
- 

## Participation in international conferences and seminars

---

<b>08/06/2017 - 10/06/2017</b>	Dutch peptide symposium Netherlands (the)
------------------------------------	--

---

## Membership

---

<b>Institution</b>	Member of RA "Armenian Association of Biotechnologists" public organization
<b>Period of time</b>	2014 till now

---

<b>Institution</b>	Member of the Scientific Council of YSU Institute of Pharmacy
<b>Period of time</b>	2020 till now

---

## Publications

---

*Article*

### **MODELING, SYNTHESIS AND IN VITRO SCREENING OF UNUSUAL AMINO ACIDS AND PEPTIDES AS PROTEASE INHIBITORS**

Ani Dadayan, Armen Sargsyan, Heggine Hakobyan, Zorayr Mardiyan, Silva Jamharyan,

Nelli Hovhannisyan, Tatevik Sargsyan

Journal of Chemical Technology and Metallurgy 2023 615-620

---

Article

**Development of an efficient method for obtaining lactose and lactulose from whey**

Tatevik Sargsyan, Avetis Tsaturyan, Lilya Arstamyanyan, Anyuta Sargsyan, Jaklina Saribekyan,,

Ani Voskanyan, Ella Minasyan, Monika Israelyan, Lala Stepanyan

Pharmacia 2023 1039-1046

---

Article

**STUDY OF THE CHEMICAL COMPOSITION, ANTIBACTERIAL AND ANTIOXIDANT ACTIVITY OF VARIOUS EXTRACTS OF THE AERIAL PART OF LEONURUS CARDIACA**

T. H. Sargsyan, L. A. Stepanyan, M. H. Israyelyan, K. J. Karapetyan, A. H. Tsaturyan

Farmacia 2023 1064-1071

---

Article

**Detection and development of a quantitation method for undeclared compounds in antidiabetic biologically active additives and its validation by high performance liquid chromatography**

Virab Gurgen Kirakosyan, Avetis Hovhannes Tsaturyan, Lilit Eduard Poghosyan, Ella Vardan Minasyan,

Hayk Razmik Petrosyan, Lusine Yurik Sahakyan, Tatevik Hovhannes Sargsyan

Pharmacia 2022 45-50

---

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

**DEVELOPMENT OF AN HPLC METHOD FOR SIBUTRAMINE IDENTIFICATION. SEARCH FOR UNDECLARED SIBUTRAMINE IN BIOLOGICALLY ACTIVE ADDITIVES APPETITE SUPPRESSANTS**

T. H. SARGSYAN, R. E. ISRAYELYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2022 31-40

---

Article

**Asymmetric Synthesis of Derivatives of Alanine via Michael Addition Reaction and their Biological Study**

Mkrtchyan Anna, Tovmasyan Anna, Paloyan Ani, Sargsyan Armen, Simonyan Hayarpi, Sahakyan Lusine,

Petrosyan Satenik, Hayriyan Liana, Sargsyan Tatevik

Synlett 2022 2013-2018

---

Article

**SYNTHESIS OF (S)-ALANYL-(S)- $\beta$ -(THIAZOL-2-YL-CARBAMOYL)- $\alpha$ -ALANINE, DIPEPTIDE CONTAINING IT AND IN VITRO INVESTIGATION OF THE ANTIFUNGAL ACTIVITY**

TATEVIK SARGSYAN, HEGHINE HAKOBYAN, ZORAYR MARDIYAN, NUNE KHACHATURYAN,

SONA GEVORGYAN, SILVA JAMGARYAN, ENZHENA GYULUMYAN, YURI DANGHYAN, ASHOT SAGHYAN

Farmacia 2022 1148-1154

---

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 Hovhannisyanyan,

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*

**TARGETED SYNTHESIS OF N-TERTBUTOXYCARBONYLGLYCYL-(S)- $\alpha$ -ALLYLGLYCYL-(S)-ALANINE TRIPEPTIDE AND STUDY OF ITS EFFECT ON COLLAGENASE ACTIVITY**

T. H. SARGSYAN, S. M. JAMGARYAN, E. A. GYULUMYAN, A. S. SARGSYAN, H. I. HAKOBYAN,

Z. Z. MARDIYAN

Chemical Journal of Armenia 2021 58-65

---

*Manual*

**Օրգանիզմի էներգածախսի որոշման, որոշ կաթնամթերքների էներգետիկ արժեքի և որակի գնահատման ու վերահսկման մեթոդները**

Տարբերակ Սարգսյան

2021 119

---

*Article*

**SYNTHESIS OF N-TERT-BUTYLOXYCARBONYLGLYCYL-(S)-b-[4- ALLYL-3-PROPYL-5-THIOXO-1,2,4-TRIAZOL-1-YL]- $\alpha$ -ALANINE DIPEPTIDE AND STUDY OF ITS ANTIFUNGAL EFFECT**

T. H. SARGSYAN, Z. Z. MARDIYAN, Yu. M. DANGHYAN, E. A. GYULUMYAN, N. S. KHACHATURYAN,

S. A. GEVORGYAN, H.I. HAKOBYAN, S. M. JAMGARYAN, A. S. SAGHYAN

Chemical Journal of Armenia 2019 495-501

---

*Article*

**СИНТЕЗ N-ТРЕТ-БУТОКСИКАРБОНИЛ-(S)-АЛАНИЛГЛИЦИЛ-(S)- $\beta$ -(3- ИЗОБУТИЛ-4-АЛЛИЛ-5-ТИОКСО-1,2,4-ТРИАЗОЛ-1-ИЛ)- $\alpha$ -АЛАНИНА И ИЗУЧЕНИЕ ВОЗДЕЙСТВИЯ ТРИПЕПТИДА НА ЭЛЕКТРИЧЕСКУЮ АКТИВНОСТЬ НЕЙРОНОВ ЧЕРНОЙ СУБСТАНЦИИ В УСЛОВИЯХ МОДЕЛИ БОЛЕЗНИ ПАРКИНСОНА**

T. O. SARGSYAN, YU. M. DANGHYAN, S. M. DJAMGARYAN, E. A. GYULUMYAN, G. A. PANOSYAN, M. V. POGOSYAN,

Дж. С. САРГСЯН, А. С. САГЯН

Chemical Journal of Armenia 2018 368-376

---

*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*

**Синтез ди- и трипептидов, содержащих (S)-2-амино-3-[4-аллил-(3-пиридин-4`- и (S)-2-амино-3-[4-аллил-(3-пиридин-3`-ил)-5-тиоксо-1,2,4-триазол-1-ил]-пропио-новые кислоты**  
Саргсян, Т. О., Цатурян, А. О., Сагиян, А. С., Дангян, Ю. М., Дангян, В. Т., Джемгарян, С. М.,  
Гюлумян, Э. А., Паносян, Г. А.

Հայաստանի քիմիական հանդես 2017 92-99

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

---

*Article*

**МОДЕЛИРОВАНИЕ ПОТЕНЦИАЛЬНО БИОЛОГИЧЕСКИ АКТИВНЫХ (S)- $\alpha$ -АЛЛИЛГЛИЦИНСОДЕРЖАЩИХ ПЕПТИДОВ, ВЫЯВЛЕНИЕ ИХ ВОЗМОЖНЫХ БИОЛОГИЧЕСКИХ СВОЙСТВ С ПОМОЩЬЮ ПРОГРАММЫ ПАСС-ОНЛАЙН И ЦЕЛЕВОЙ СИНТЕЗ**  
Т. О. САРГСЯН, Ю. М. ДАНГЯН, В. Т. ДАНГЯН, С. М. ДЖАМГАРЯН, Э. А. ГЮЛУМЯН, Г. А. ПАНОСЯН,  
А. О. ЦАТУРЯН, А. С. САГЯН

Հայաստանի քիմիական հանդես 2016 320-332

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

---

*Conference*

**Synthesis and PASS prediction novel biologically active short peptides**  
A.Hovhannisyanyan, T.A. Sargsyan, S.M. Jamgaryan, E.A. Gyulumyan, Yu. M. Danghyan, A.H.Tsaturyan,  
A.S. Saghyan

*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. Hovhannisyanyan, A.S. Saghyan

*Conference*

**Synthesis and PASS prediction novel biologically active short peptides**  
T.H. Sargsyan, N. Hovhannisyanyan, A.S. Saghyan, A.M. Hovhannisyanyan, A.H. Tsaturyan, S.M. Jamgaryan,  
E. A. Gyulumyan, Yu. M. Danghyan

*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. Hovhannisyanyan, L.A. Hayriyan, A.M. Hovhannisyanyan, A. H. Tsaturyan, A.S. Saghyan

*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. Hovhannisyanyan,  
N. Hovhannisyanyan, A. Tsaturyan, A. Saghyan

---