

# 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

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

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

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

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## Scientific interests

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- peptide synthesis
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## Participation in international conferences and seminars

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

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

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

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## Publications

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*Article*

**Neuroprotective Properties of Clove (*Syzygium aromaticum*): State of the Art and Future Pharmaceutical Applications for Alzheimer's Disease**

Tatevik Sargsyan, Hayarpi Simonyan, Avetis Taturyan, Lala Stepanyan, Raffaele Pastore,

Caterina Vicidomini, Germano Guerra, Giovanni N. Roviello

Biomolecules 2025 452

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Article

**Synthesis of Nonnatural Amino Acid Derivatives with Ni Complexes and Investigation of the Antifungal Activity of Their Dipeptide Derivatives**

Tatevik H. Sargsyan, Ashot S. Saghyan, Hegine I. Hakobyan, Nune Khachatryan, Sona Gevorgyan, Yuri M. Danghyan, Zorayr Z. Mardiyan, Armen Zakarian  
Synlett 2025 925-929

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Article

**Optimal time for preparing *Amaranthus paniculatus* L. herb**

Tatevik Sargsyan, Avetis Tsaturyan, Lala Stepanyan, Monika Israyelyan, Samvel Ghazaryan  
Bulgarian Journal of Agricultural Science 2025 13-18

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Article

**Synthesis and Antifungal Activity of Fmoc-Protected 1,2,4-Triazolyl- $\alpha$ -Amino Acids and Their Dipeptides Against *Aspergillus* Species**

Tatevik Sargsyan, Avetis Tsaturyan, Nelli Hovhannisyan, Anna Mkrtchyan, Ashot Saghyan, Giovanni N. Roviello, Caterina Vicidomini, Lala Stepanyan, Henrik Panosyan, Heghine Hakobyan, Monika Israyelyan  
Biomolecules 2025 2-21

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Article

**The Synthesis, Characterization, and Biological Evaluation of a Fluorenyl-Methoxycarbonyl-Containing Thioxo-Triazole-Bearing Dipeptide: Antioxidant, Antimicrobial, and BSA/DNA Binding Studies for Potential Therapeutic Applications in ROS Scavenging and Dr**

Lala Stepanyan, Tatevik Sargsjan, Valentina Mittova, Zurab Tsetskhladze, Nino Motsonelidze, Ekaterina Gorgoshidze, Niccolo Nova, Monika Israyelyan, Hayarpi Simonyan, Franco Bisceglie, Lusine Sahakyan, Karapet Ghazaryan, Giovanni Roviello  
Biomolecules 2025 933

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Article

**INVESTIGATION OF BIOLOGICALLY ACTIVE SUBSTANCES AND ANTIMICROBIAL ACTIVITY IN STEVIA REBAUDIANA EXTRACTS**

M. S. GHAZARYAN, T. H. SARGSYAN, G. F. MKRTCHYAN, S. H. APOYAN, A. S. DADAYAN, A. V. GEOLCHANYAN, S. M. VARDAPETYAN, Kh. S. HAKOBYAN, A. M. HOVHANNISYAN  
ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2025 p. 12-21

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Article

**Biomacromolecular interactions and antioxidant properties of novel synthetic amino acids targeting DNA and serum albumin**

Tatevik Sargsyan, Heghine Hakobyan, Hayarpi Simonyan, Tigran Soghomonyan, Avetis Tsaturyan, Anahit Hovhannisyan, Siranush Sardaryan, Ashot Saghyan, Giovanni N. Roviello  
Journal of Molecular Liquids 2025 1-13

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Article

**COMPREHENSIVE STUDY OF JUNIPERUS SPP. GROWING IN ARMENIA: FROM GLOBAL EXPERIENCE TO LOCAL APPLICATION**

T. H. SARGSYAN, A. G. MKRTCHYA, A. R. QESHISHYAN, A. M. HOVHANNISYAN, Kh. S. HAKOBYAN  
Proceedings of the YSU B: Chemical and Biological Sciences 2025 67-83

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Article

**Unnatural Phosphorus-Containing  $\alpha$ -Amino Acids and Their N-FMOC Derivatives: Synthesis and In Vitro Investigation of Anticholinesterase Activity**

Ani S. Dadayan, Anna F. Mkrtchyan, Atravazd S. Poghosyan, Slavik A. Dadayan, Lala A. Stepanyan, Monika H. Israyelyan, Anna S. Tovmasyan, Avetis H. Tsaturyan, Nona A. Hovhannisyan, Vigen O. Topuzyan, Tatevik H. Sargsyan, Ashot S. Saghyan

ChemistrySelect 2024 1-10

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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

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Article

**The Synthesis and in vitro Study of 9-fluorenylmethoxycarbonyl Protected Non-Protein Amino Acids Antimicrobial Activity**

T.H. Sargsyan, L.A. Stepanyan, M.H. Israyelyan, H.I. Hakobyan, S.M. Jamgaryan, A.A. Gasparyan, A.S. Saghyan

Eurasian Chemico-Technological Journal 2024 235-240

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Article

**SYNTHESIS OF DIPEPTIDES AND IN VITRO EVALUATION OF ANTIFUNGAL ACTIVITY**

Anyuta V. Sargsyan, Tatevik H. Sargsyan, Zhaklina N. Saribekyan, Ani O. Voskanyan, Ani G. Mkrtchyan, Gohar F. Mkrtchyan, Svetlana H. Apoyan, Arpine V. Geolchanyan, Khachik S. Hakobyan, Anahit M. Hovhannisyan

ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2024 9

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Article

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

Ani Dadayan, Armen Sargsyan, Heghine Hakobyan, Zorayr Mardiyan, Silva Jamharyan, Nelli Hovhannisyan, Tatevik Sargsyan

Journal of Chemical Technology and Metallurgy 2023 615-620

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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

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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

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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

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*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

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*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

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*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

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*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

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*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

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*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

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*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

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*Manual*

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

Տարբերակ Սարգսյան

2021 119

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*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

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*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

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*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

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*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., Джамгарян, С. М.,

Гюлумян, Э. А., Паносян, Г. А.

Հայաստանի քիմիական հանդես 2017 92-99

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

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*Article*

**МОДЕЛИРОВАНИЕ ПОТЕНЦИАЛЬНО БИОЛОГИЧЕСКИ АКТИВНЫХ (S)- $\alpha$ -АЛЛИЛГЛИЦИНСОДЕРЖАЩИХ ПЕПТИДОВ, ВЫЯВЛЕНИЕ ИХ ВОЗМОЖНЫХ БИОЛОГИЧЕСКИХ СВОЙСТВ С ПОМОЩЬЮ ПРОГРАММЫ ПАСС-ОНЛАЙН И ЦЕЛЕВОЙ СИНТЕЗ**

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

A. O. TSATURYAN, A. S. SAHYAN

*Conference*

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

A.Hovhannisyanyan, T.A. Sargsyanyan, S.M. Jamgaryanyan, E.A. Gyulumyanyan, Yu. M. Danghyanyan, A.H.Tsaturyanyan,  
A.S. Saghyanyan

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*Conference*

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

T.H. Sargsyanyan, A.H. Tsaturyanyan, A.M. Hovhannisyanyan, A.S. Saghyanyan

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*Conference*

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

T.H. Sargsyanyan, N. Hovhannisyanyan, A.S. Saghyanyan, A.M. Hovhannisyanyan, A.H. Tsaturyanyan, S.M. Jamgaryanyan,  
E. A. Gyulumyanyan, Yu. M. Danghyanyan

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*Conference*

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

T. Sargsyanyan, T.Khachatryanyan, A.S. Sargsyanyan, L.Yu. Danghyanyan, S.M. Jamgaryanyan, E.A.Gyulumyanyan,  
N. A. Hovhannisyanyan, L.A. Hayrianyan, A.M. Hovhannisyanyan, A. H. Tsaturyanyan, A.S. Saghyanyan

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*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. Sargsyanyan, A . Sargsyanyan, Yu. Danghyanyan, S. Jamgaryanyan, E. Gyulumyanyan, A. Hovhannisyanyan,  
N. Hovhannisyanyan, A. Tsaturyanyan, A. Saghyanyan

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