Tatevik Hovhannes Sargsyan

34-25
tatev-sargsyan@ysu.am

Institute of Pharmacy
Chair of Biomedical Sciences
Associate professor

Institute of Pharmacy
Chair of Biomedical Sciences
Associate professor

Education

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

Scientific Rank/degree

Institution	Yerevan State University
Date	2022
Degree name	Associate professor

Date	2012
Degree name	Candidate
Scientific Supervisor	Ashot Saghyan; Yuri Danghyan
Research Topic	Ֆունկցիոնալ տեղակալված ոչ սպիտակուցային α-ամինաթթուներ պարունակող դի- և տրիպեպտիդների սինթեզը և դրանց ազդեցությունը պրոտեազների վրա

Language skills

Հայերեն Русский English

Work experience

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

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

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

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

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

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

Participation in international conferences and seminars

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

Membership

Institution	Member of RA "Armenian Association of Biotechnologists" public organization
Period of time	2014 till now

Institution	Member of the Scientific Council of YSU Institute of Pharmacy
Period of time	2020 till now

Publications

Article

Natural and Synthetic Peptides as Alternatives to Antibiotics in Intestinal Infections—A Review

Tatevik Sargsyan, Lala Stepanyan, Monika Israyelyan, Alessandro Gori, Avetis Tsaturyan, Zhaklina Saribekyan, Kristina Hovsepyan, Raffaele Pastore, Antonio De Luca, Giovanni N. Roviello

Antibiotics 2026 68-96

Article

Solvent-modulated antioxidant activity and molecular binding of a heterocyclic sulfur dipeptide: A spectroscopic and theoretical study

Tatevik Sargsyan, Silva Jamgaryan, Lala Stepanyan, Avetis Tsaturyan, Valentina Mittova, Zurab R. Tsetskhladze, Nino Motsonelidze, Ekaterine Gorgoshidze, Niccolò Nova, Hayarpi Simonyan,

Karapet Ghazaryan, Franco Bisceglie, Giovanni N. Roviello

Results in Chemistry 2026 103214 - 103214

https://doi.org/10.1016/j.rechem.2026.103214

Article

The Dual Role of Natural Peptides in Cancer Therapy: Anticancer and Immunomodulatory Perspectives

Avetis Tsaturyan, Heghine Hakobyan, Kristina Hovsepyan, Anna Mkrtchyan, Tatevik Sargsyan,

Raffaele Pastore, Germano Guerra, Giovanni N. Roviello

Oncology Research Featuring Preclinical and Clinical Cancer Therapeutics 2026 1 - 10

https://doi.org/10.32604/or.2026.078405

Article

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

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

Caterina Vicidomini, Germano Guerra, Giovanni N. Roviello

Biomolecules 2025 452

Article

Synthesis and Antifungal Activity of Fmoc-Protected 1,2,4-Triazolyl-α-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

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 Khachaturyan, Sona Gevoryan,

Yuri M. Danghyan, Zorayr Z. Mardiyan, Armen Zakarian

Synlett 2025 925-929

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

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...

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

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

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

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

Article

Intracellular Parasitic Infections Caused by Plasmodium falciparum, Leishmania spp., Toxoplasma gondii, Echinococcus multilocularis, Among Key Pathogens: Global Burden, Transmission Dynamics, and Vaccine Advances—A Narrative Review with Contextual Insi...
Tatevik Sargsyan, Lala Stepanyan, Avetis Tsaturyan, Rosanna Palumbo, Caterina Vicidomini,

Giovanni N. Roviello

Vaccines 2025 1082-1115

https://www.scopus.com/pages/publications/105023465617?origin=resultslist

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Article

Unnatural Phosphorus-Containing α-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

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

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

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

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

Article

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

Tatevik Sargsyan, Avetis Tsaturyan, Lilya Arstamyan, 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)-β-(THIAZOL-2-YL-CARBAMOYL)-α-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 Hovhannisyan, Slavik Arshak Dadayan
Pharmacia 2021 731–739

Article

STUDY OF PEPTIDES BIOACTIVITY SYNTHESIZED ON THE BASIS OF (S)-□ -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)-α-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

Study manual

Օրգանիզմի էներգածախսի որոշման, որոշ կաթնամթերքների էներգետիկ արժեքի և որակի գնահատման ու վերահսկման մեթոդները
Տաթևիկ Սարգսյան
2021 119

Article

SYNTHESIS OF N-TERT-BUTYLOXYCARBONYLGLYCYL-(S)-b-[4- ALLYL-3-PROPYL-5-THIOXO-1,2,4-TRIAZOL-1-YL]-□ -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)-β-(3- ИЗОБУТИЛ-4-АЛЛИЛ-5-ТИОКСО-1,2,4-ТРИАЗОЛ-1-ИЛ)-α-АЛАНИНА И ИЗУЧЕНИЕ ВОЗДЕЙСТВИЯ ТРИПЕПТИДА НА ЭЛЕКТРИЧЕСКУЮ АКТИВНОСТЬ НЕЙРОНОВ ЧЕРНОЙ СУБСТАНЦИИ В УСЛОВИЯХ МОДЕЛИ

БОЛЕЗНИ ПАРКИНСОНА
Т. О. САРГСЯН, Ю. М. ДАНГЯН, С. М. ДЖАМГАРЯН, Э. А. ГЮЛУМЯН, Г. А. ПАНОСЯН, М. В. ПОГОСЯН, Дж. С. САРГСЯН, А. С. САГЯН

Chemical Journal of Armenia 2018 368-376

Article

TARGETED SYNTHESIS OF 9-FLUORENYLMETHYLOXYCARBONYLGLYCYL-(S)-β-[4-ALLYL-3-PROPYL-5-THIOXO-1,2,4-TRIAZOL-1-YL]-α-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

Conference

Modeling, synthesis and study of impact of N-t-BOC-(S)-β-[4-allyl-3- (pyridin-3’-yl)-5-thioxo-1,2,4-triazol-1-yl]-α-alanyl-(S)-alanyl-glycyl- (S)- β-[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

2018 83-84

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

Conference

MODELING OF DIPEPTIDES CONTAINING POTENTIAL BIOLOGICALLY ACTIVE (S)-α-PROPARGYLGYCINE, DISCLOSURE OF POSSIBLE BIOLOGICAL PROPERTIES AND TARGETED SYNTHESIS
T.H. Sargsyan, A.H. Tsaturyan, A.M. Hovhannisyan, A.S. Saghyan

2017 71

https://www.dutchpeptidesymposium.com/dps-2017/

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

2017 88

https://www.sci.am/filedwnl.php?id=345&langid=1

Article

МОДЕЛИРОВАНИЕ ПОТЕНЦИАЛЬНО БИОЛОГИЧЕСКИ АКТИВНЫХ (S)-α-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.Hovhannisyan, T.A. Sargsyan, A.S. Saghyan, S.M. Jamgaryan, E.A. Gyulumyan, Yu. M. Danghyan,

A.H.Tsaturyan

2016 73

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

2016 73

http://www.eurpepsoc.com/event/15th-naples-workshop-bioactive-peptides/