

Lusine Yurik Sahakyan

Scientific and Educational Center for Control and Monitoring of the Quality of Medicines

Expert

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Education

Institution	Yerevan State University
Faculty	Institute of Pharmacy
Date	2017 - 2018
Degree name	Applicant
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Institution	S. Avdalbekyan National Institute of Health
Faculty	postgraduate qualification
Date	2004 - 2005
Degree name	Qualified specialist
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Institution	Yerevan State University
Faculty	Chemical faculty
Date	1996 - 2001
Degree name	Qualified specialist

Scientific Rank/degree

Institution	Yerevan State University
Date	2021
Degree name	Candidate
Specialty	Pharmaceutical sciences
Scientific Supervisor	President of the National Academy of Sciences of the Republic of Armenia, Professor Ashot S. Saghyan
Research Topic	BIOMIMETIC SYNTHESIS OF HETEROCYCLIC NON-PROTEIN ANALOGUES OF α -AMINOBUTYRIC ACID, STUDY OF ANTIOXIDANT AND MEMBRANE PROTECTIVE PROPERTIES

Language skills

Հայերեն English Русский

Work experience

Institution YSU, Institute of Pharmacy, Scientific-educational center for drug quality control and monitoring
Period of time 2021 till now
Rank/degree Expert

Institution YSU, Institute of Pharmacy, Chair of Biomedicine
Period of time 2017 till now
Rank/degree Assistant Professor

Institution Scientific and Production Center "Armbiotechnology" of NAS, RA
Period of time 2016 - 2019
Rank/degree Rresearcher

Institution "Arpimed" LLC
Period of time 2014 - 2014
Rank/degree Specialist of Quality Assurance Department

Institution YSU, Chair of "Pharmaceutical Chemistry"
Period of time 2014 - 2017
Rank/degree Laboratory assistant

Institution "Arpimed" LLC
Period of time 2010 - 2014
Rank/degree Head of Liquid Pharmaceuticals Department

Institution YSU, "Synthesis of Heterocyclic Amino Acids" Research Laboratory
Period of time 2009 - 2019
Rank/degree Senior Laboratory Assistant

Institution YSU, Basic Laboratory of "Synthesis of Heterocyclic Compounds Containing Nitrogen, Oxygen, Sulfur"
Period of time 2005 - 2009
Rank/degree Senior Laboratory Assistant

Institution "Modern Cosmetic Laboratory" LLC, Abovyan
Period of time 2003 - 2008
Rank/degree Consultant specialist

Institution "Arpimed" LLC, Quality Control Laboratory
Period of time 2001 - 2004
Rank/degree Chemist-analyst

Scientific interests

- Development of optimal methods for asymmetric synthesis of non-protein α -amino acids, study of bioactivity
 - Development and validation of qualitative and quantitative instrumental analysis methods for bioactive compounds (HPLC, GC, MS, IR)
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Participation in international conferences and seminars

06/07/2024 - 16/07/2024 scientific travel
University of Naples Federico II, National Research Council (CNR)
Italy

28/07/2022 - 08/08/2022 scientific travel
University of Naples Federico II, National Research Council (CNR)
Italy

Membership

Institution Scientific Council of the Institute of Pharmacy
Period of time 2021 till now

Institution Member of the Ethics Committee for Clinical Drug Research, Ministry of Health, RA
Period of time 2018 - 2024

Publications

Article

Improvement of biomass and biohydrogen generation in *Parachlorella kessleri* using ethanol and brewery production wastes as cultivation media

Jemma Manoyan, Diana Hakobyan, Lilit Gabrielyan, Iren Shahazizyan, Lusine Sahakyan, Ela Minasyan,

Liana Gabrielyan

International Journal of Hydrogen Energy 2025 400-410

Article

COMPARATIVE ANALYSIS OF METHODS FOR THE DETECTION AND QUANTITATIVE DETERMINATION OF ETHYL ALCOHOL IN THE BODY

Satenik Gh. Petrosyan, Lusine Yu. Sahakyan, Nelly A. Kirakosyan

Proceedings of the YSU B: Chemical and Biological Sciences 2024 1-8

Article

Ion-chromatographic determination of common anions in drinking water in some regions of the Republic of Armenia

Avetis Tsaturyan, Lusine Sahakyan, Lusine Hayrapetyan, Ela Minasyan, Ani Chakhoyan,

Sergey Hayrapetyan, Ashot Saghyan

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

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

ISOLATION, IDENTIFICATION AND QUANTITATIVE DETERMINATION OF NIFEDIPINE FROM BIOLOGICAL MATERIAL

S.Gh. Petrosyan, L.Yu. Sahakyan, V.G. Kirakosyan, E.V. Minasyan, S. E. Sardaryan

Proceedings of the YSU B: Chemical and Biological Sciences 2021 204-211

Article

Asymmetric synthesis, biological activity and molecular docking studies of some unsaturated α -amino acids, derivatives of glycine, allylglycine and propargylglycine

A. F. Mkrtchyan, A. S. Saghyan, L. A. Hayriyan, A. S. Sargsyan, A. J. Karapetyan, A. S. Tovmasyan, A. H. Tsaturyan, E. V. Minasyan, A. S. Poghosyan, A. M. Paloyan, H. A. Panosyan, Lu. Yu. Sahakyan

Journal of Molecular Structure 2020 127850

Article

Исследование асимметрического нуклеофильного бис-присоединения дегидроаланиновых комплексов Ni(II)

Петросян С. Г., Симонян А. М., Мкртчян А. Ф., Саакян Л. Ю., Цатурян А. О., Сагян А. С.

Հայաստանի քիմիական հանդես 2020 213-222

Article

СРАВНИТЕЛЬНОЕ ИЗУЧЕНИЕ АНТИОКСИДАНТНОЙ АКТИВНОСТИ β -ГЕТЕРОЦИКЛИЧЕСКИ ЗАМЕЩЕННЫХ АНАЛОГОВ α -АМИНОМАСЛЯНОЙ КИСЛОТЫ И НЕКОТОРЫХ ЭНДОГЕННЫХ АНТИОКСИДАНТОВ

Саакян Л.Ю., Симонян Г.М., Симонян Р.М., Симонян М.А., Секоян Э.С., Сагян А.С.

Տեսական և կիրառական բժշկության հարցեր 2018 3-6

<http://pananarm.info/>

Article

Асимметрический синтез (2S,3S)-3-(2-тиоксо-2,3-дигидробензимидазол-1-ил)-2-аминомасляной кислоты

Л.Ю. Саакян

Химический Журнал Армении 2018 117-125

Article

Сравнительное ингибирующее действие β -гетероциклически замещенного аналога α -аминомасляной кислоты и мексидола на процесс рилинга изоформ NADPH-оксидаз нейрональных мембран

Л.Ю. Саакян

Медицинская наука Армении 2018 50-58

Article

Механизмы мембранопротекторного действия нового β -гетероциклически замещенного синтетического аналога α -аминомасляной кислоты при оксидативно-нитрозативном стрессе

Л.Ю. Саакян, Р.М. Симонян, Г.М. Симонян, М.А. Симонян, Э.С. Секоян, А.С. Сагян

Տեսական և կլինիկական բժշկության հարցեր 2018 26-31

Article

АНТИОКСИДАНТНАЯ АКТИВНОСТЬ И МЕХАНИЗМЫ МЕМБРАНОСТАБИЛИЗИРУЮЩЕГО ДЕЙСТВИЯ НОВОГО β -ГЕТЕРОЦИКЛИЧЕСКИ ЗАМЕЩЕННОГО АНАЛОГА α -АМИНОМАСЛЯНОЙ КИСЛОТЫ

Л. Ю. Саакян, Г. М. Симонян, Р. М. Симонян, Э. С. Секоян, А. С. Сагян

Տեսական և կլինիկական բժշկության հարցեր 2017 64-67

<http://www.pananarm.info/>

Article

Асимметрический синтез новых гетероциклически замещенных аналогов α -аминомасляной кислоты, содержащих замещенные триазольные группы в боковом радикале

А.С.Сагян, Л.Ю.Саакян, А.М.Симонян, С.Г.Петросян, А.Ф.Мкртчян, М.А.Самвелян, Т.В.Кочикян,

П.Лангер

Химический Журнал Армении 2017 71-81

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

Article

Асимметрический синтез новых гетероциклически замещенных аналогов (S)- α -аланина, содержащих 3,4-дизамещенные -5-тиоксо-1,2,4-триазолы в боковом радикале

А.М.Симонян, А.С.Сагян, Л.Ю.Саакян, Н.Н.Багян, А.О.Восканян, Ж.Н.Сарибекян, М.А.Самвелян,

Т.В.Кочикян

Химический Журнал Армении 2017 82-91

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

Article

Механизмы протекторного действия β -гетероциклически замещенного аналога α -аминомасляной кислоты на клеточные и субклеточные мембраны

Л.Ю.Саакян, Р.М.Симонян, Г.М.Симонян, М.А.Симонян, Э.С.Секоян, А.С.Сагян

Տեսական և կլինիկական բժշկության հարցեր 2017 16-19

<http://www.pananarm.info/>

Article

ПРОТЕКТОРНЫЙ ЭФФЕКТ ДИМЕТИЛСУЛЬФОКСИДА НА ИЗОФОРМЫ NADPH-ОКСИДАЗЫ БИОМЕМБРАН

Р. М. Симонян, Л. Ю. Саакян, Г. М. Симонян, М. А. Симонян, Э. С. Секоян, А. С. Сагян

Conference

Asymmetric synthesis of potential biologically active new heterocyclic analogs of (S)- α -alanine containing 3,4-substituted 5-thioxo-1,2,4- triazoles in the side-chain radical

H.M. Simonyan, L.Yu. Sahakyan, S.Gh. Petrosyan, A.F. Mkrtychyan, N.N. Baghyan,, J.N. Saribekyan,

A.S. Saghyan

Conference

Asymmetric synthesis of new heterocyclic analogs of alpha-aminopropionic acid and alpha-aminobutyric acid via Michael nucleophilic addition reactions

Hayarpi Simonyan, Lusine Sahakyan, Anna Mkrtychyan, Satenik Petrosyan, Ashot Saghyan

Conference

Asymmetric synthesis of enantiomerically enriched analog of α -aminobutyric acid containing heterocycle in the side chain radical .

L.Yu.Sahakyan, A.S. Saghyan, H.M. Simonyan, S.Gh.Petrosyan, A.F.Mkrtychyan

Conference

Asymmetric synthesis and biological activity of novel heterocycle substituted analogues of α -aminobutyric acid

Sahakyan L.Yu., Simonyan H. M, Petrosyan S. Gh., Mkrtychyan A. F., Simonyan M. A., Saghyan A. S.,

Sekoyan E. S.

Conference

Asymmetric synthesis of potential biologically active new analogs of (S)-alanine containing nitrogenous bases in the side-chain radical

H.M.Simonyan, L.Yu. Sahakjan, A.F.Mkrtychyan, S.Gh.Petrosyan, N.N.Baghyan, A.O.Voskanyan,

J.N.Saribekyan, A.S.Saghyan

Conference

Асимметрический синтез новых производных (S)- α -аланина, содержащих 3-замещенные 4-изобутил-5-тиоксо-1,2,4-триазолы в боковом радикале

А.М.Симонян, Н.Н.Багян, А.О.Восканян, Ж.Н.Сарибекян, Л.Ю.Саакян, А.Ф.Мкртчян, С.Г.Петросян,

А.С.Сагиян

Conference

Asymmetric synthesis of enantiomerically enriched analogs of N-allylglycine

L.A.Hayriyan, A.F.Mrtchyan, Z.Z.Mardiyanyan, A.J.Karapetyan, H.V. Adonc, H.M. Simonyan, S.Gh. Petrosyan,

L.Yu.Sahakyan, A.S. Saghyan

Conference

Synthesis of optically pure (S)-2-amino-5-(3-fluorophenyl)-2-(prop-2-yn-1-yl)pent-4-ynoic acid by using Sonogashira reaction

Z.Z. Mardiyanyan, L.A. Hayriyan, A.F.Mkrtychyan, A.X.Tsaturyan, A.J. Karapetyan, H.V. Adonc, H.M. Simonyan,

S.Gh.Petrosyan, L.Yu.Sahakyan, A.S. Saghyan

Conference

Asymmetric synthesis of optically active derivatives of α -aminobutyric acid containing triazole groups in the side chain radical

L.Sahakyan, H.Simonyan, S. Petrosyan, A. Mkrtchyan, A. Saghyan, E. Sekoyan

Conference

SYNTHESIS OF A NOVEL HETEROCYCLIC AMINO ACID AND ITS USE FOR THE SYNTHESIS OF SUGAR-AMINO ACID CONJUGATES

Hayarpi Simonyan, Giovanni Roviello, Anna Mkrtchyan, Lusine Sahakyan, Satenik Petrosyan,

Ashot Saghyan
