

# Ani Slavik Dadayan

## Institute of Pharmacy

Chair of Pharmaceutical Technology and Pharmacy Economics and Management

Associate professor

☎ 34-82

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## Education

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<b>Institution</b>	YSU, Faculty of Chemistry
<b>Faculty</b>	Chemistry, Pharmaceutical chemistry
<b>Date</b>	2002 - 2007
<b>Degree name</b>	Qualified specialist

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## Scientific Rank/degree

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<b>Institution</b>	YSU
<b>Date</b>	2021
<b>Degree name</b>	Associate professor
<b>Specialty</b>	Pharmaceutical sciences

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<b>Institution</b>	SCIENTIFIC AND PRODUCTION CENTER "ARMBIOTECHNOLOGY" NAS RA
<b>Date</b>	2012
<b>Degree name</b>	Candidate
<b>Specialty</b>	Chemical sciences
<b>Scientific Supervisor</b>	Academician of NAS RA A.S. Saghyan
<b>Research Topic</b>	«Synthesis of new fluoro-containing chiral auxiliaries and amino acid complexes and their study in the asymmetric reactions for $\alpha$ -amino acid synthesis»

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## Language skills

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Հայերեն Русский English

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## Work experience

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<b>Institution</b>	YSU
<b>Period of time</b>	2007 till now
<b>Rank/degree</b>	Associate professor

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## Scientific interests

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- Syntheses of new modified chiral auxiliaries and their amino and dehydroamino acid complexes and investigation in asymmetric biomimetic reactions for the syntheses of  $\alpha$ - and  $\beta$ - substituted non-proteinogenic (R)- and (S)-  $\alpha$ - amino acids. Production of Ga

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## Participation in international conferences and seminars

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<b>21/10/2019 - 25/10/2019</b>	Chemistry of biologically active substances, ChemBioActiv Ministry of Science and Higher Education of the Russian Federation Russian Federation (the)
<b>03/11/2018 - 05/11/2018</b>	I International Scientific Conference Current State of Pharmacy and Prospects of its Development YSU Armenia
<b>28/09/2017 - 30/09/2019</b>	IV International Scintific Conference of Young Researcher SPC Armbiotechnology Armenia
<b>17/05/2013 - 19/05/2013</b>	International conference of young scientists, Professional Association of Chemists of Georgia and Faculty of Chemical Technology and Metallurgy of the Georgian Technical Universit Georgia
<b>12/11/2012 - 16/11/2012</b>	“Chemistry of nitrogen conteiningheterocycles” (CNCH-2012), National Academy of Sciences of Ukraine Ukraine
<b>28/09/2008 - 02/10/2008</b>	State-of Biotechnology in Armenia & ISTS contribution SPC Armbiotechnology Armenia
<b>05/07/2008 - 05/11/2008</b>	“International Symposiumon Homogeneous Catalysis ISHC-XVI” Department of Molecular Design of the Italian National Research Council (CNR), the Italian Chemical Society, the University of Florence, the European Network of Excellence Italy
<b>12/06/2006 - 14/06/2006</b>	Advances in Biotechnology: Prospects for Development in Armenia SPC Armbiotechnology Armenia

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## Membership

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<b>Institution</b>	“Biotechnological Armenian Association” RA
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Period of time 2007 till now

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Institution YSU

Period of time 2017 till now

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## Publications

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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 ր. 12-21

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Article

### **Novel functional confectionery: incorporating blueberry extract for nutritional enhancement and quality improvement**

Slavik Dadayan, Lilit Arstamyán, Danik Martirosyan, Asya Badalyan, Hegine Mkhitarian,  
Syuzanna Abrahamyan, Kristine Khanamiryan, Galust Petrosyan, Liana Grigoryan, Valery Grigoryan,  
Armen Solomonyan, Ani Dadayan, Narine Hovhannisyán

Functional Foods in Health and Disease 2025 551-560

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Article

### **Development of a waste-free technology for comprehensive processing of Cornus mas (dogwood) fruits: Production of natural viscous extract and medical suppositories with potential anti-hemorrhoidal activity**

Slavik Dadayan, Artavazd Poghosyan, Lilit Arstamyán, Ani Chakhoyan, Gohar Mkrtchyan,  
Anahit Hovhannisyán, Narine Hovhannisyán, Ani Dadayan

Functional Foods in Health and Disease 2025 610-624

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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. Tovmasyán, Avetis H. Tsaturyan, Nona A. Hovhannisyán,

Vigen O. Topuzyan, Tatevik H. Sargsyan, Ashot S. Saghyán

ChemistrySelect 2024 1-10

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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

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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*

## **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

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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*

## **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

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*Article*

## **Synthesis of enantiomerically enriched non-protein $\alpha$ -amino acids and their study as aldose reductase inhibitors**

Anna F. Mkrtchyan, Liana A. Hayriyan, Armen S. Sargsyan, Ani M. Paloyan, Anna S. Tovmasyan,

Ani J. Karapetyan, Artur A. Hambardzumyan, Nelli A. Hovhannisyan, Henrik A. Panosyan,

Hamlet N. Khachatryan, Ani S. Dadayan, Ashot S. Saghyan

Synthetic Communications 2021 1433-1450

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*Article*

## **Phytochemical Analysis and Antioxidant Activity of *Cotinus coggygia* Scop. from Armenian Flora**

A.S Dadayan, N.K. Shaboyan, A.V.Moghrovyan, K.H. Dumanyan, N.H. Ghukasyan, A.A. Altunyan,

N.I. Arshakyan, A.M. Ghazaryan, G.R. Ulikhanyan, A.L. Ginosyan, N.B. Chichoyan

Pharmacognosy Journal 2021 933-941

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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 Hovhannisyan,

Slavik Arshak Dadayan

Pharmacia 2021 731-739

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Article

**Study of the Interaction of Novel Nonprotein Amino Acids with Trypsin by Steady-State Fluorescence Spectroscopy**

Gohar A. Shahinyan, Ani S. Dadayan, Nelli A. Hovhannisyan, Shiraz A. Markarian

Journal of Fluorescence 2020 229-233

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Article

**ОСОБЕННОСТИ ТЕХНОЛОГИЙ КОМПЛЕКСНОЙ ПЕРЕРАБОТКИ ОБЛЕПИХИ КРУШИНОВИДНОЙ (HIPPOPHAE), РАСТОРОПШИ ПЯТНИСТОЙ [(SILYBUM MARIANUM (L.) GAERTN)] И МИНДАЛЯ ОБЫКНОВЕННОГО (PRUNUS DULCIS)**

А. С. ДАДАЯН, Л. А. СТЕПАНЯН, А. Р. ПЕТРОСЯН, А. С. ПОГОСЯН, Г. Ц. ОВСЕПЯН, С. Г. КАЗАРЯН,

С. А. ДАДАЯН

Հայաստանի քիմիական հանդես 2020 89-101

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Article

**СРАВНИТЕЛЬНОЕ ИЗУЧЕНИЕ СОДЕРЖАНИЯ БИОЛОГИЧЕСКИ АКТИВНЫХ ВЕЩЕСТВ ЭКСТРАКТОВ ГОРЦА ПЕРЕЧНОГО, ПРОИЗРАСТАЮЩЕГО В АРМЕНИИ**

А. Р. ПЕТРОСЯН, А. С. ДАДАЯН, Л. А. СТЕПАНЯН, А. С. ПОГОСЯН, М. О. ИСРАЕЛЯН, С. А. ДАДАЯН

Հայաստանի քիմիական հանդես 2020 102-107

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Article

**ANTIOXIDANT ACTIVITY OF EXTRACTS OF OYSTER MUSHROOM (Pleurotus ostreatus L.) AND BULGARIAN PEPPER (Capsicum L.)**

H. R. PETROSYAN, S. A. DADAYAN, A. S. DADAYAN, L. R. VARDANYAN, R. L. VARDANYAN,

R. S. HARUTYUNYAN

Oxidation Communications 2018 403-411

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Article

**ROUND-LEAVED WINGTEGREEN (PYROLA ROTUNDIFOLIA) AS A VALUABLE MEDICINAL PLANT RAW MATERIAL**

S. A. DADAYAN, L. A. STEPANYAN, A. S. DADAYAN, M. B. GASOYAN, H. R. PETROSYAN, A. S. POGHOSYAN,

A. O. TSATURYAN

Chemical Journal of Armenia 2018 625-633

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Article

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

А. 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/>

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Article

**ЭКСТРАКТ ИЗ ЛИСТЬЕВ И СЕМЯН РАСТЕНИЯ РАСТОРОПША ПЯТНИСТАЯ КАК ИСТОЧНИК ПОЛУЧЕНИЯ АМИНОКИСЛОТ, МАКРО И МИКРОЭЛЕМЕНТОВ**

С.А. Дадаян, Г.Р. Петросян, А.С. Дадаян, Л.А. Степанян, А.С. Сагян  
Տեսական և կիրառական բժշկության հարցեր 2017 55-57

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*Article*

**АСИММЕТРИЧЕСКИЙ СИНТЕЗ НОВЫХ ЭНАНТИОМЕРНО ОБОГАЩЕННЫХ ПРОИЗВОДНЫХ (S)- $\beta$ -ФЕНИЛ- $\alpha$ -АЛАНИНА**

А. С. ДАДАЯН, С. А. ДАДАЯН, Л. А. СТЕПАНЯН, А. С. ПОГОСЯН, А. О. ЦАТУРЯН

Հայաստանի քիմիական հանդես 2017 529-536

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*Article*

**Изучение ингибирующих свойств новых небелковых аминокислот и отбор эффективных аналогов L-аминокислот для селекции высокоактивных штаммов-продуцентов**

А.Х. Чахалян, С.К. Келешян, Ж.В. Карапетян, А.Г. Давтян, Г.Е. Аветисова, Л.О. Мелконян,

А.С. Дадаян, А.С. Сагян

Прикладная биохимия и микробиология (Applied Biochemistry and Microbiology) 2016 62-67

[http://elibrary.ru/title\\_about.asp?id=7955](http://elibrary.ru/title_about.asp?id=7955)

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*Article*

**Исследование бромсодержащих модифицированных NII-комплексов основания Шиффа аминокислот в асимметрических реакциях C-алкилирования.**

С.А.Дадаян, Н.Ю.Григорян, С.Г. Мангасарян, А.С. Дадаян, А.С. Сагян

Հայաստանի քիմիական հանդես 2015 137-147

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

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*Article*

**The construction and stereoselective synthesis of new derivatives of 2-aminopropionic acids.**

S.A. Dadayan, N.Yu. Grigoryan, A.S.Dadayan, A.S. Poghosyan, A.S.Saghyan, A.A. Hambardzumyan

Հայաստանի քիմիական հանդես 2015 71-80

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

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*Conference*

**New dry extracts of herbal origin containing essential amino acids**

H. Petrosyan, A. Dadayan, L. Stepanyan, A. Poghosyan, M. Gasoyan, S. Dadayan

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*Conference*

**Development of an effective method for separation of crystalline lycopene from herbal dried raw materials**

H. Petrosyan, A. Dadayan, L. Stepanyan, S. Ghazaryan, M. Gasoyan, S. Dadayan

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*Conference*

**БЕЗОТХОДНАЯ ТЕХНОЛОГИЯ КОМПЛЕКСНОЙ ПЕРЕРАБОТКИ ПЛОДОВО-ЯГОДНОГО РАСТИТЕЛЬНОГО СЫРЬЯ**

А.С. Дадаян, Л.А. Степанян, А.Р. Петросян, А.С. Погосян, С.А. Дадаян

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