

# Лиана Артуровна Айриян

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## Научно-исследовательский центр института фармации

Научный сотрудник

### Образование

Учреждение	Ереванский государственный университет
Факультет	Химия и фармакология
Дата	2013 - 2015
Степень / Звание	Магистр

Учреждение	Ереванский государственный университет
Факультет	Химия
Дата	2009 - 2013
Степень / Звание	Бакалавр

### Ученое звание/Ученая степень

Учреждение	Национальная академия наук Армении
Дата	2021
Степень / Звание	Кандидат наук
Специальность	Химические науки
Научный руководитель	Анна Мкртчян
Научная тема	СИНТЕЗ И ИССЛЕДОВАНИЕ ЭНАНТИОМЕРНООБОГАЩЕННЫХ НЕНАСЫЩЕННЫХ НОВЫХ $\alpha$ -АМИНОКИСЛОТ

### Знание языков

Հայերեն Русский English

### Опыт работы

Учреждение	ЕГУ
Период времени	2023 до настоящего времени
Звание/степень	Научный сотрудник

Учреждение	Федеральный технологический институт Цюриха
Период времени	2019 - 2019
Звание/степень	Научный сотрудник

Учреждение	Институт элементоорганических соединений им. А.Н.Несмеянова Российской академии наук (ИНЭОС РАН)
Период времени	2018 - 2018
Звание/степень	Научный сотрудник

Учреждение	НПЦ «Армбиотехнология» ГНПО НАН РА
Период времени	2015 до настоящего времени
Звание/степень	Научный сотрудник

## Публикации

Статья

### **Catalytic ipso-Nitration of Organosilanes Enabled by Electrophilic N-Nitrosaccharin Reagent**

Ivan Mosiagin, Anthony J. Fernandes, Alena Budinská, Liana Hayriyan, Kai E. O. Ylijoki, Dmitry Katayev

Angewandte Chemie - International Edition 2023 e202310851

Статья

### **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

Статья

### **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

Статья

### **Spectroscopic and SEM evidences for G4-DNA binding by a synthetic alkyne-containing amino acid with anticancer activity**

Marta A.Fik-Jaskółka, Anna F.Mkrtchyan, Ashot S.Saghyan, Rosanna Palumbo, Agnieszka Belter, Liana A.Hayriyan, Hayarpi Simonyan, ValentinaRoviello, Giovanni N.Roviello

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY 2020 117884

Статья

### **Asymmetric synthesis, biological activity and molecular docking studies of some unsaturated $\alpha$ -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

Статья

### **Biological macromolecule binding and anticancer activity of synthetic alkyne-containing L-**

## **phenylalanine derivatives**

Marta A. Fik-Jaskółka, Anna F. Mkrtchyan, Ashot S. Saghyan, Rosanna Palumbo, Agnieszka Belter, Liana A. Hayriyan, Hayarpi Simonyan, Valentina Roviello, Giovanni N. Roviello  
Amino Acids 2020 755–769

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*Статья*

### **Using the Ni-[(Benzylprolyl)amino]benzophenone complex in the Glaser reaction for the synthesis of bis $\alpha$ -amino acids**

Anna F. Mkrtchyan, Liana A. Hayriyan, Ani J. Karapetyan, Anna S. Tovmasyan, Avetis H. Tsaturyan, Victor N. Khrustalev, Viktor I. Maleev, Ashot S. Saghyan  
New Journal of Chemistry 2020 8

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*Статья*

### **Synthesis of Enantiomerically Enriched Non-Proteinogenic $\alpha$ -Amino Acids Using the Suzuki Reaction**

Saghyan Ashot, Mkrtchyan Anna, Mardiyan Zorayr, Hayriyan Liana, Yuri N. Belokon, Peter Langer  
ChemistrySelect 2019 4686-4688

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*Статья*

### **Synthesis of enantiomerically enriched alkynylaryl-substituted $\alpha$ -amino acids through Sonogashira reactions**

Ashot S. Saghyan, Anna F. Mkrtchyan, Zorayr Z. Mardiyan, Liana A. Hayriyan, Ani J. Karapetyan, Yuri N. Belokon, Peter Ehlers, Peter Langer  
ChemistrySelect 2019 13806-13809

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*Статья*

### **Synthesis of a new enantiomerically enriched $\alpha$ -amino acid using the Glaser reaction**

Liana A. Hayriyan  
Chemical Journal of Armenia 2019 60-65

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*Статья*

### **Nickel-coordinated chiral enols and Michael addition intermediate stabilized by the Ni-C bond**

Liana A. Hayriyan, Anna F. Mkrtchyan, Margarita Moskalenko, Viktor Maleev, Zalina Gugkaeva, Mikhail Il'in, Kirill Babiyevski, Pavel Dorovatorskiy, Viktor Khrustalev, Aleksandr Peregudov, Yu. Belokon  
Mendeleev Communications 2018 464-466

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*Конференция*

### **Efficient method for the synthesis of novel enantiomerically enriched derivatives of propargylglycine**

Anna F. Mkrtchyan, Ashot S Saghyan, Liana A Hayriyan, Ani J Karapetyan, Zorayr Z Mardiyan, Hayarpi M Simonyan, Adonc Hovhannes

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*Конференция*

### **Efficient method for the synthesis of novel enantiomerically enriched derivatives of unsaturated amino acids**

Ashot Saghyan, Anna Mkrtchyan, Liana Hayriyan, Zorayr Mardiyan, Hayarpi Simonyan

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*Конференция*

### **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

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*Конференция*

**Asymmetric synthesis of enantiomerically enriched analogs of NiII complexes of (S)-allylglycine**

L.A.Hayriyan, A.F.Mrtchyan, Z.Z.Mardiyan, A.J.Karapetyan, H.V. Adonc, H.M. Simonyan, S.Gh. Petrosyan,  
L.Yu.Sahakyan, A.S. Saghyan

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*Конференция*

**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. Mardiyan, L.A. Hayriyan, A.F.Mkrtchyan, A.X.Tsaturyan, A.J. Karapetyan, H.V. Adonc, H.M. Simonyan,  
S.Gh.Petrosyan, L.Yu.Sahakyan, A.S. Saghyan

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*Конференция*

**FIVE-YEAR ACHIEVEMENTS IN THE FIELD OF THE ASYMMETRIC SYNTHESIS OF UNSATURATED AMINO ACIDS**

A. S. Saghyan, L.A. Hayriyan, Z.Z. Mardiyan, A.F. Mkrtchyan

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*Конференция*

**THE SYNTHESIS OF POTENTIALLY ACTIVE NEW ENANTIOMERICALLY ENRICHED DERIVATIVES OF GLYCINE THROUGH CLICK REACTION**

H.V. Adonts, A.S. Saghyan, L.A.Hayriyan, A.F. Mkrtchyan

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*Конференция*

**Asymmetric synthesis of enantiomerically enriched new analogs of Ni II complexes of (S)-propargylglycine**

L. Hayriyan, A. Saghyan, H. Simonyan, A. Karapetyan, Z. Mardiyan, A. Mkrtchyan

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*Конференция*

**Asymmetric synthesis of new enantiomerically enriched  $\alpha$ -amino acids**

A.S. Saghyan, A.F. Mkrtchyan, Z.Z. Mardiyan, L.A. Hayriyan, H.V. Adonts

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*Конференция*

**Synthesis and reactivity of chiral enols coordinated with Ni<sup>2+</sup> ions and a case of a Michael adduct intermediate stabilized by the Ni-C bond**

L. A. Hayriyan, A. F. Mkrtchyan, Y. N. Belokon, A. S. Saghyan

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*Конференция*

**Asymmetric synthesis of enantiomerically enriched new analogs of Ni II complexes which contain unsaturated alkene groups**

L. Hayriyan, A. Mkrtchyan, A. Saghyan

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*Конференция*

**Asymmetric synthesis of new enantiomerically enriched unsaturated  $\alpha$ -amino acids by promotion of cross-coupling reactions**

Liana Hayriyan, Anna Mkrtchyan, Ashot Saghyan

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*Конференция*

**Asymmetric synthesis and biological activity of some unsaturated  $\alpha$ -amino acids**

L. Hayriyan, A. Karapetyan, A. Tovmasyan, A. Mkrtchyan, A. Sargsyan, A. Saghyan

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