

# Liana Arthur Hayriyan

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## Research Center for the Institute of Pharmacy

Researcher

### Education

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Chemistry and Pharmacology
<b>Date</b>	2013 - 2015
<b>Degree name</b>	Masters

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Chemistry
<b>Date</b>	2009 - 2013
<b>Degree name</b>	Bachelor

### Scientific Rank/degree

<b>Institution</b>	The National Academy of Sciences of Armenia
<b>Date</b>	2021
<b>Degree name</b>	Candidate
<b>Specialty</b>	Chemical sciences
<b>Scientific Supervisor</b>	Anna Mkrtchyan
<b>Research Topic</b>	SYNTHESIS AND REASERCH OF NEW ENANTIOMERICALLY ENRICHED UNSATURATED $\alpha$ -AMINO ACIDS

### Language skills

Հայերեն Русский English

### Work experience

<b>Institution</b>	Insitut of Pharmacy
<b>Period of time</b>	2023 till now
<b>Rank/degree</b>	Researcher

<b>Institution</b>	ETH Zurich
<b>Period of time</b>	2019 - 2019
<b>Rank/degree</b>	Researcher

**Institution** A.N.Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences (INEOS RAS)  
**Period of time** 2018 - 2018  
**Rank/degree** Researcher

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**Institution** SPC "Armbiotechnology" SNPO NAS RA  
**Period of time** 2015 till now  
**Rank/degree** Researcher

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## Publications

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*Article*

**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

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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 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*

**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

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*Article*

**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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*Article*

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

Liana Hayriyan, Anna Mkrtchyan, Ashot Saghyan

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*Conference***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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