

# Lilit Papin Hambardzumyan

## Research Center for Chemistry

Օրգանական քիմիայի լաբորատորիա

Researcher

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## Education

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<b>Institution</b>	Yeravan State University
<b>Faculty</b>	Faculty of Chemistry/Chair of Organic Chemistry
<b>Date</b>	2003 - 2006
<b>Degree name</b>	PhD student

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<b>Institution</b>	Yeravan State University
<b>Faculty</b>	Faculty of Chemistry/Chair of Organic Chemistry
<b>Date</b>	2001 - 2003
<b>Degree name</b>	Masters

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<b>Institution</b>	Yeravan State University
<b>Faculty</b>	Faculty of Chemistry
<b>Date</b>	1997 - 2001
<b>Degree name</b>	Bachelor

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## Scientific Rank/degree

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<b>Institution</b>	Yeravan State University
<b>Date</b>	2010
<b>Degree name</b>	Candidate
<b>Specialty</b>	Chemical sciences
<b>Scientific Supervisor</b>	Aleksanyan Iskuhi
<b>Research Topic</b>	Nucleophilic substitution reactions of 2-methyl-4 chloroquinolines

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## Language skills

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Հայերեն English Русский

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## Work experience

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<b>Institution</b>	YSU, Chair of Organic Chemistry
<b>Period of time</b>	2011 till now
<b>Rank/degree</b>	Researcher

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**Institution** YSU, Chair of Organic Chemistry  
**Period of time** 2010 - 2017  
**Rank/degree** Laboratory Assistant

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**Institution** YSU, Idjevan Branch  
**Period of time** 2005 - 2008  
**Rank/degree** Lecturer

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**Institution** YSU, Chair of Organic Chemistry  
**Period of time** 2004 - 2011  
**Rank/degree** Junior Researcher

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## Scientific interests

- Chemistry of functionally substituted quinolines. The synthesis of new biologically active heterocyclic systems based on quinolines.
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## Publications

*Article*

**Accessible Synthesis Methods and Physicochemical Properties of Quinoline-Derived Schiff Bases**

L. P. Hambardzumyan, I. L. Aleksanyan

Биоорганическая Химия (Russian Journal of Bioorganic Chemistry) 2025 266-272

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*Article*

**Intramolecular Heterocyclization of Quinolyl-Substituted Carbothioamides to Functionalized 2,4-Dihydro-3H-1,2,4-triazoles and -1,3,4-thiadiazoles**

I. L. Aleksanyan, L. P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2024 1022-1027

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*Article*

**Synthesis and Transformations of Novel Schiff Bases Derived from 1-[2-Methyl-4-(methylsulfanyl)quinolin-3-yl]propan-2-ones**

I. L. Aleksanyan, L. P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2024 1585-1590

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*Article*

**N-(2-Aminophenyl)-2-methylquinolin-4-amine**

I.L. Aleksanyan, L.P. Hambardzumyan

Հետերոցիկլիկ միացությունների սինթեզներ 2024 55-56

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*Article*

**Ethyl-4-(4,8-dimethylquinolin-2-ylamino)Benzoate**

I.L. Aleksanyan, L.P. Hambardzumyan

Հետերոցիկլիկ միացությունների սինթեզներ 2024 57-58

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Article

**Methyl [(2-Methylquinolin-4-yl)sulfanyl] acetate hydrochloride**

I.L. Aleksanyan, L.P. Hambardzumyan

Հետերոցիկլիկ միացությունների սինթեզներ 2024 59-60

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Article

**Synthesis, Photophysical Properties and Antioxidant Activity of Novel Quinoline Derivatives**

Armen I. Martiryan, Gohar A. Shahinyan, Iskuhi L. Aleksanyan, Lilit P. Hambardzumyan

Journal of Fluorescence 2023 1-8

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Article

**ANTIMICROBIAL ACTIVITY OF QUINOLINE-BASED HYDROXYPHENYLAMINO AND CARBOXYPHENYLAMINO DERIVATIVES**

L. P. HAMBARDZUMYAN, I. L. ALEKSANYAN

ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2023 301-312

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Article

**Spectroscopic analysis of 2-(5-mercapto-1,3,4-oxadiazol-2-yl)-6-methylquinolin-4-ol binding to blood plasma albumin**

Karine R. Grigoryan, Hasmik A. Shilajyan, Ashkhen Zatikyan, Iskuhi Aleksanyan, Lilit Hambardzumyan

MONATSCHEFTE FUR CHEMIE 2022 507-515

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Article

**FLUORESCENCE STUDIES ON THE BLOOD PLASMA ALBUMIN INTERACTION WITH 4-HYDROXY-2-METHYLQUINOLINE**

K. R. GRIGORYAN, H. A. SHILAJYAN, I. L. ALEKSANYAN, L. P. HAMBARDZUMYAN, H. H. HOVHANNISYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2022 100-107

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Article

**Synthesis of Schiff Bases and Isoindolyl- and Thiazolyl-Substituted Quinolines from 6-Amino-2-methylquinolin-4-ol**

I.L. Aleqsanyan, L.P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2022 1434-1437

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Article

**THE EFFECT OF DIMETHYLSULFOXIDE ON THE FLUORESCENCE PROPERTIES OF SOME 4-HYDROXYQUINOLINES**

Karine R. Grigoryan, Hasmik A. Shilajyan, Iskuhi L. Aleksanyan, Zara L. Grigoryan,

Lilit P. Hambardzumyan

Proceedings of the YSU B: Chemical and Biological Sciences 2021 112-117

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Article

**Synthesis and Transformations of 4-[2-methyl-4-(methylsulfanyl)quinolin-3-yl]butan-2-ones Substituted in the Benzene Ring**

I. L. Aleqsanyan, L. P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2021 1289-1294

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Article

**Synthesis of Hetarylquinolines Derived from 2-[(4-Methylquinolin-2-yl)sulfanyl]acetohydrazides Substituted in the Benzene Ring**

Aleksanyan I.L., Hambardzumyan L.P.

Russian Journal of Organic Chemistry (Журнал органической химии) 2020 261–264

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*Article*

**Synthesis of Novel Combined Heterocyclic Systems Derived from 2-[(2-Methylquinolin-4-yl)sulfonyl]acetohydrazides Substituted in the Benzene Ring**

Aleksanyan I.L., Hambardzumyan L.P.

Russian Journal of Organic Chemistry (Журнал органической химии) 2020 265–268

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*Article*

**Synthesis of Quinolinyl-Substituted Five-Membered Heterocycles and Schiff Bases from 2-(4-Hydroxy-2-methylquinolin-3-yl)acetohydrazide**

Aleksanyan I.L., Hambardzumyan L.P.

Russian Journal of Organic Chemistry (Журнал органической химии) 2020 2114–2118

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*Article*

**Synthesis and Transformations of 4-Hydroxy-2-methylquinoline-6-carbohydrazide**

I.L. Aleksanyan, L.P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2019 262–265

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*Article*

**Syntheses Based on 4-(2-Hydroxy-4-methylquinolin-3-yl)butan-2-one Thiosemicarbazones**

I.L. Aleksanyan, L.P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2019 399–401

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*Article*

**Synthesis of Hetarylquinolines from 2-[[4-Methylquinolin-2-yl)sulfonyl]acetyl}-N-phenylhydrazine-1-carbothioamides**

I.L. Aleksanyan, L.P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2018 1402–1405

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*Article*

**Synthesis of hetarylquinolines Proceeding from 2-[(2-methylquinolin-4-yl)sulfonyl]acetohydrazide substituted in the benzene ring**

I.L. Aleksanyan, L.P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2017 226–230

<http://link.springer.com/journal/11178>

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*Article*

**Synthesis of Hetarylquinolines from 4-(4-Hydroxy-2-methylquinolin-3-yl)butan-2-one Thiosemicarbazones**

I. L. Aleksanyan, L. P. Ambartsumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2015 1046–1049

<http://link.springer.com/journal/11178>

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*Conference*

**Synthesis of substituted 3,4-diphenylthiazol-2(3H)-ylidene and 3-phenylthiazolidin-2-ylidenquinolines on the bases of corresponding phenylhydrazinecarbothioamide**

I.L. Aleksanyan, L.P. Hambardzumyan

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Conference

**Fluorescence Study of 2-(5-Mercapto-1,3,4-oxadiazol-2-yl)-6-methylquinoline-4-ol binding to Bovine Serum Albumin**

Grigoryan K.R., Shilajyan H.A., Aleqsanyan I.L., Hambardzumyan L.P., Hovhannisyan H.H.

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Conference

**FLUORESCENCE PROPERTIES OF 2-METHYLQUINOLIN-4-OL AND ITS MERCAPTO-OXADIAZOLYL DERIVATIVE IN DIMETHYLSULFOXIDE AQUEOUS SOLUTIONS**

Hasmik Shilajyan, Karine Grigoryan, Iskuhy Aleksanyan, Zara Grigoryan, Lilit Hambardzumyan

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Conference

**SYNTHESIS OF NOVEL HETEROCYCLIC SYSTEMS ON BASIS OF QUINOLINE HYDRAZINECARBOTHIOAMIDE**

I.L. Aleksanyan, L.P. Hambarzumyan

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Conference

**SYNTHESIS OF NEW CLASS OF OXADIAZOLES ON BASIS OF QUINOLINE ACETOHYDRAZIDES**

I.L. Aleksanyan, L.P. Hambarzumyan

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Conference

**Synthesis of new series of heterocyclic compounds on the basis of quinoline substituted phenylhydrazinecarbothioamide**

Iskuhi L. Aleksanyan, Lilit P. Hambardzumyan

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Conference

**Synthesis of new derivatives of quinolines fused with thiazolidinones and thiazolidines**

Aleksanyan I.L., Hambardzumyan L.P.

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Conference

**Synthesis of new class of hetarylquinolines on base of 4-hydroxy-2-methyl-6-ethoxycarbonylquinoline**

Aleksanyan I.L., Hambardzumyan L.P.

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Conference

**PREPARATION AND CONVERSION OF BENZ-SUBSTITUTED 4-[2-METHYL-4-(METHYLTHIO)QUINOLIN-3-YL]BUTAN-2-ONES**

I.L. Aleksanyan, L.P. Hambardzumyan

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Conference

**PREPARATION AND CONVERSION OF 2-(4-HYDROXY-2-METHYLQUINOLIN-3-YL)ACETOHYDRAZIDE**

I.L. Aleksanyan, L.P. Hambardzumyan

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Conference

**SYNTHESIS AND CONVERSIONS OF BENZ-SUBSTITUTED 4-[2-METHYL-4-(METHYLTHIO)-QUINOLIN-3-YL]PROPAN-2-ONES**

Aleksanyan I.L., Hambardzumyan L.P.

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Conference

**INTERACTIONS OF 6-AMINO-2-METHYLQUINOLIN-4-OL WITH SUBSTITUTED BENZALDEHYDES: A**

**STUDY ON THE BIOPHYSICAL PROPERTIES OF THE RESULTING COMPOUNDS**

Aleksanyan I.L., Hambardzumyan L.P.

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*Conference*

**PREPARATION OF NEW DERIVATIVES OF QUINOLINES FUSED WITH 1,2,4-TRIAZOLE-3-THIONES  
AND 1,3,4-THIADIAZOLES.**

Aleksanyan I.L., Hambardzumyan L.P.

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