

# Iskuhi Levon Aleksanyan

## Research Center of Chemistry

Օրգանական քիմիայի լաբորատորիա  
Senior researcher

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## 🎓 Education

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Faculty of Chemistry, Chair of Organic Chemistry
<b>Date</b>	1966 - 1971
<b>Degree name</b>	Qualified specialist

## 🎓 Scientific Rank/degree

<b>Institution</b>	Yerevan State University
<b>Date</b>	1985
<b>Degree name</b>	Candidate
<b>Specialty</b>	Chemical sciences
<b>Scientific Supervisor</b>	Liparit Gyulbudaghyan
<b>Research Topic</b>	Heterotricyclic compounds based on 4-ox and 2-ox (Mercapto) C3 and N-Alilichinolin

## 🌐 Language skills

Հայերեն Deutsch Русский

## 📁 Work experience

<b>Institution</b>	ЕГУ, кафедра органической химии, базовая лаборатория
<b>Period of time</b>	2004 till now
<b>Rank/degree</b>	Старший научный сотрудник

<b>Institution</b>	ЕГУ, кафедра органической химии
<b>Period of time</b>	1994 till now
<b>Rank/degree</b>	Доцент

<b>Institution</b>	ЕГУ, кафедра органической химии
<b>Period of time</b>	1991 - 1994
<b>Rank/degree</b>	Старший научный сотрудник

<b>Institution</b>	ЕГУ, кафедра органической химии
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<b>Period of time</b>	1989 - 1991
<b>Rank/degree</b>	Научный сотрудник

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<b>Institution</b>	ЕГУ, кафедра органической химии
<b>Period of time</b>	1983 - 1989
<b>Rank/degree</b>	Старший лаборант

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<b>Institution</b>	ЕГУ, кафедра органической химии
<b>Period of time</b>	1974 - 1983
<b>Rank/degree</b>	Лаборант

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<b>Institution</b>	Института органической химии ССР
<b>Period of time</b>	1971 - 1974
<b>Rank/degree</b>	Старший лаборант

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## Scientific interests

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- Chemistry of functionally substituted quinolines. Synthesis of new biologically active heterocyclic systems on base of quinolines.
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## Membership

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<b>Institution</b>	YSU, faculty of chemistry student scientific council consultant
<b>Period of time</b>	2017 till now

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<b>Institution</b>	Chairman of the Tender Committee
<b>Period of time</b>	2010 till now

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<b>Institution</b>	YSU, member of the scientific council of the Faculty of Chemistry
<b>Period of time</b>	2010 till now

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## State awards and honorary titles

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2019 YSU Gold Medal

2014 ACKNOWLEDGMENT - For long-term impeccable service, achievements in the field of university education and science, contribution to the training of young professionals, and on the occasion of the 95th anniversary of the founding of YSU

1982 Badge of the inventor of the USSR

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## Publications

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*Article*

**Synthesis, theoretical and photophysical study of functionalized quinoline - Based schiff bases**

Ashkhen L. Zatikyan, Karine R. Grigoryan, Hasmik A. Shilajyan, Lilit P. Hambardzumyan,

Iskuhi L. Aleksanyan

Journal of Molecular Structure 2026 144706

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*Article*

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

L. P. Hambardzumyan, I. L. Aleqsanyan

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

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*Article*

**Synthesis of Quinolyl-Substituted Thiazolidines and Dihydrothiazoles Based on 2-{1-[2-Methyl-4-(methylsulfanyl)quinolin-3-yl]propan-2-ylidene}hydrazine-1-carbothioamides**

I. L. Aleksanyan, L. P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2025 435-439

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*Article*

**Synthesis of Quinoline Derivatives of Ethyl 3-(4-Methyl-2-oxo-1,2-dihydroquinoline-3-yl)propanoates**

I. L. Aleksanyan, L. P. Hambardzumyan

Russian Journal of Organic Chemistry (Журнал органической химии) 2025 pp. 2147–2151

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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. Hambardzumayn

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. Թիմիա 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 FÜR 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-(methylsulfonyl)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)sulfonyl]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)sulfanyl]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 Quinoliny-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)sulfanyl]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)sulfanyl]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. Hambardzumyan

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., Aleksanyan 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

**SINTHESIS 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

**Sinthesis 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 CONVERSETION 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-(METHYLTIO)-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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*Conference*

**Synthesis of Quinoline-Based Schiff Bases as Multifunctional Fluorescent and Antioxidant Agents**

I.L. Aleksanyan, L.P. Hambardzumyan

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*Conference*

**Quinoline-Heterocycle Hybrids Linked Benzo[d]imidazole, Benzo[d]oxazole, and Benzo[d]thiazole Rings: Synthesis Based on Benz-Substituted Ethyl Propanoate**

Aleksanyan I.L., Hambardzumyan L.P.

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*Conference*

**Synthesis of Quinoline Derivatives Containing 1,3,4-Oxadiazole and 1,3- Dioxoisindoline Rings Based on Quinoline-3-propionehydrazides**

Aleksanyan I.L., Hambardzumyan L.P.

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