

Ashkhen Lerniki Zatikyan

Research Center for Chemistry

Ֆիզիկական քիմիայի լաբորատորիա
Senior researcher

☎ 38-57

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🎓 Education

Institution	YSU
Faculty	Faculty of Chemistry, Department of Physical and Colloid Chemistry
Date	2001 - 2005
Degree name	PhD student

Institution	YSU
Faculty	Faculty of Chemistry, Department of Physical and Colloid Chemistry
Date	1999 - 2001
Degree name	Masters

Institution	YSU
Faculty	Faculty of Chemistry
Date	1995 - 1999
Degree name	Bachelor

🎓 Scientific Rank/degree

Institution	Yerevan State University
Date	2011
Degree name	Candidate
Specialty	Chemical sciences
Scientific Supervisor	Sh.A. Markarian
Research Topic	“The Structural and Thermodynamic Study of Diethylsulfoxide Aqueous Solutions”

🌐 Language skills

Հայերեն Русский English

📖 Publications

Article

Polyiodides of amino acids. l-proline triiodides

Ashkhen L. Zatikyan, Vahram V. Ghazaryan, Aram M. Petrosyan, Gerald Giester

Structural Chemistry 2024 1-11

Article

Polyiodides of amino acids. Betainium triiodide

A.L. Zatikyan, A.M. Petrosyan, G.S. Tonoyan, V.V. Ghazaryan, G. Giester, M. Szafranski

Journal of Molecular Structure 2024 136960

Article

Formation of zinc oxide composites of doxycycline with high antibacterial activity based on DC-magnetron deposition of ZnO nanoscale particles on the drug surface

Ashkhen L. Zatikyan, Armen I. Martiryan, Emma R. Arakelova, Ashot M. Khachatryan, Anait A. Mirzoian, Susanna L. Grigoryan, Rafayel E. Muradyan, Hrachik R. Stepanyan, Stepan G. Grigoryan,

Mertich A. Yerosyan

Applied Physics A: Materials Science and Processing 2024 152

Article

Effect of bovine serum albumin on gallic acid and tannic acid radical scavenging properties and binding kinetics with 2,2-diphenyl-1-picrylhydrazyl

Ashkhen Zatikyan, Karine Grigoryan, Hasmik Shilajyan, Ioannis Savvaidis, Liana Mkhitarian

Process Biochemistry 2024 30-38

Article

FTIR ATR SPECTRAL AND THEORETICAL VIBRATIONAL STUDIES OF URACIL IN DIMETHYLSULFOXIDE OR DIETHYLSULFOXIDE SOLUTIONS

A.L. Zatikyan, Sh.A. Markarian

Journal of Structural Chemistry 2022 388-406

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

Article

Effect of monovalent ions on the thermal stability of bovine serum albumin in dimethylsulfoxide aqueous solutions. Spectroscopic approach

Karine Grigoryan, Ashkhen Zatikyan, Hasmik Shilajyan

Journal of Biomolecular Structure and Dynamics 2020 1-15

Article

Ab initio исследования комплексообразования галловой кислоты в водных растворах

К.Р. Григорян, А.Л. Затикиан

Журнал структурной химии (Journal of Structural Chemistry) 2018 1544-1551

Article

EXPERIMENTAL AND THEORETICAL STUDIES ON THE SOLVATION OF POTASSIUM AND CHLORINE IONS IN AQUEOUS DIMETHYLSULFOXIDE SOLUTIONS

K. R. Grigoryan, A. A. Shilajyan, A. L. Zatikyan

Journal of Structural Chemistry 2015 662-666

<http://www.springer.com/chemistry/inorganic+chemistry/journal/10947>

Conference

**Medium effect on hydrogen bonded complexes of L-ascorbic acid with diethylsulfoxide:
quantum chemical calculations**

A.L. Zatikyan, S.A.Markarian

Conference

Ab initio study of molecular interactions in ascorbic acid dimethylsulfoxides/water mixture

A.L. Zatikyan, S.A.Markarian

Conference

**Experimetal and theoretical studies on competetive interactions in gallic acid - water
system**

L.S. Sargsyan, K.R. Grigoryan, A.L. Zatikyan

Conference

**Теоретические исследования межмолекулярных взаимодействий водных растворов
галловой кислоты**

А.Л. Затикян, К.Р. Григорян

Conference

FT-IR ATR STUDY OF URACIL IN DIMETHYLSULFOXIDE SOLUTIONS

Zatikyan A.L., Markarian S.A.

Conference

**ТЕРМИЧЕСКАЯ ДЕНАТУРАЦИЯ БЫЧЬЕГО СЫВОРОТОЧНОГО АЛЬБУМИНА В РАСТВОРАХ
ВОДА - ДИМЕТИЛСУЛЬФОКСИД В ПРИСУТСТВИИ LiCl И LiClO4**

Григорян К.Р., Шиладжян А.А., Затикян А.Л.

Conference

Structural Peculiarities of L-Tyrosine Associates in Dimethylsulfoxide Aqueous Solutions

Zatikyan A.L., Shilajyan H.A., Grigoryan K.R.

Conference

**THEORETICAL STUDY ON THE MOLECULAR STRUCTURE OF 4-HYDROXY-2-METHYL-6-
AMINOQUINOLINE**

Zatikyan Ashkhen, Grigoryan Karine

Conference

DFT AND EXPERIMENTAL UV/Vis SPECTRA OF SELECTED AZO DYES

Petrosyan S., Papanyan Z., Zatikyan A., Gabrielyan L.

Conference

**DFT STUDY ON THE EFFECT OF HYDROXYL GROUPS ON THE STRUCTURE AND REACTIVITY OF
2-METHYLQUINOLIN-4-OL DERIVATIVES**

Zatikyan A., Grigoryan K.

Conference

ԱՄԻՆՈԹՅՈՒՆԵՐԻ ՆՈՐ ՀԱՆՈԳԵԼԱՍՏԱԼԱՏՆԵՐ, ՀԱՆՈԳԵԼԱԲԻՍՍՈՒԹԱՏՆԵՐ ԵՎ ՊՈԼԻՅՈՒՂԻՆԵՐ

Չատիկյան Ա.Լ., Պետրոսյան Ա.Ս., Գիստեր Զ., Ղազարյան Վ.Վ., Տոնոյան Գ.Ս., Շաֆրանսկի Մ.,

Զիլինգարյան Ռ.Յ., Մարգարյան Ա.Ա., Աբրահամյան Ա.Ս., Մկրտչյան Ա.Հ.

Conference

Growth and characterization of halogenobismuthates of amino acids

Zatikyan AL, Petrosyan AM, Ghazaryan VV, Tonoyan GS, Giester G, Mkrtchyan AH, Szafranski M

Conference

Polyiodides of amino acids

Zatikyan AL, Petrosyan AM, Petrosyan MS, Tonoyan GS, Ghazaryan VV, Giester G
