Hasmik Razmik Sargsyan

38-58
(060) 71-08-58
hassarg@ysu.am

Faculty of Chemistry
Chair of Physical and Colloid Chemistry
Assistant

Faculty of Chemistry
Chair of Physical and Colloid Chemistry
Assistant

Faculty of Chemistry
Research Center of Chemistry
Ֆիզիկական քիմիայի լաբորատորիա
Senior Researcher

Education

Institution	Yerevan State University
Faculty	faculty of chemistry
Date	1988 - 1991
Degree name	PhD student

Institution	Yerevan State University
Faculty	faculty of chemistry
Date	1983 - 1988
Degree name	Qualified specialist

Scientific Rank/degree

Date	1993
Degree name	Candidate
Scientific Supervisor	Norayr Beyleryan, Gevorg Pirumyan
Research Topic	Peroxydase activity of iron (III) tetresulfophenyl porphyrins and hemnonapeptide in reversed micelle systems

Language skills

Հայերեն Русский English

Work experience

Institution	Yerevan State University
Period of time	2011 till now

Rank/degree	up to now: assistant prof.

Institution	Yerevan State University
Period of time	2007 - 2011
Rank/degree	assistant

Institution	Yerevan State University
Period of time	2000 - 2007
Rank/degree	senior scientific employee

Institution	Yerevan State University
Period of time	1993 - 2000
Rank/degree	the scientific employee

Institution	Yerevan State University
Period of time	1991 - 1993
Rank/degree	unior scientific employee

State awards and honorary titles

2009 Co-author of the work that won the 1st prize "Best scientific work" in the competition of natural sciences.

Publications

Article

Density and Viscosity of Dimethylsulfone (or Diethylsulfone) Solutions in Acetonitrile: Comparison to Aqueous Solutions

Hasmik Sargsyan, Zara Grigoryan, Shiraz Markarian, Gevorg Grigoryan

Journal of Chemical & Engineering Data 2026 2098 - 2105

https://doi.org/10.1021/acs.jced.6c00013

Article

Study of p-Nitroaniline Binding to Diethyl Sulfoxide-Containing AOT Reverse Micelles: Comparison to Dimethyl Sulfoxide

Hasmik R. Sargsyan, Heghine H. Ghazoyan, Shiraz A. Markarian, Gevorg S. Grigoryan

Journal of Solution Chemistry 2025 1-13

Article

THERMODYNAMICS OF LIQUID–GAS PHASE EQUILIBRIA OF DIISOPROPYLSULFOXIDE–WATER SYSTEM

Г.С. Григорян, А.Р. Саркисян

IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENIY KHIMIYA KHIMICHESKAYA TEKHNOLOGIYA 2024 67-73

Article

Diphenyl selenoxide: Unraveled peculiarities in methanol and acetonitrile solutions

Vitaly V. Chaban, Shiraz A. Markarian, Heghine H. Ghazoyan, Hasmik R. Sargsyan, Gevorg S. Grigoryan, Adrine D. Sahakyan, Levon A. Tavadyan

Journal of Molecular Liquids 2024 125331

Article

Synthesis and Study of Luminescent, Anti-Mao, and Antioxidant Properties of (2E)-3-Aryl-1-(4-alkoxyphenyl)prop-2-ene-1-ones and Their Pyrazoline Derivatives

Hakobyan N.Z., Isakhanyan A.U., Grigoryan G.S., Mkhitaryan R.P., Sargsyan H.R., Grigoryan A.S., Pahutyan N.H., Pogosyan A.E., Arajyan G.M., Gasparyan H.V., Muradyan R.Y., Panosyan H.A., Israelyan S.G., Harutyunyan A.A.

Russian Journal of General Chemistry 2024 2847-2858

Article

Synthesis and Physicochemical Properties of Hydrazides of Malonic Acid with Different Substitutes

T.V. Ghochikyan, A.I. Martiryan, G.A. Shahinyan, M.A. Samvelyan, A.S. Galstyan, H.R. Sargsyan, H.H. Ghazoyan

Eurasian Chemico-Technological Journal 2024 203-209

Article

СПЕКТРОСКОПИЧЕСКОЕ ИССЛЕДОВАНИЕ КОМПЛЕСООБРАЗОВАНИЯ МЕДИ(II) С (S)-β-[3-ИЗОБУТИЛ-4-(2-МЕТАЛЛИЛ)-5-ТИОКСО-1,2,4-ТРИАЗОЛ-1-ИЛ]-α-АЛАНИНОМ В ВОДНОМ РАСТВОРЕ

А.Р. Саркисян, Г.С. Григорян, Ш.А. Маркарян

IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENIY KHIMIYA KHIMICHESKAYA TEKHNOLOGIYA 2023 62-69

Article

Dimethyl sulfoxide fosters larger micelles of docusate sodium in the mixed solutions with water

S.A. Markarian, H.R. Sargsyan, G.S. Grigoryan, H.H. Ghazoyan, V.V. Chaban

Journal of Molecular Liquids 2023 120960

Article

Diphenylsulfoxide exhibits an outstanding solubility in Methanol: Physicochemical and quantum chemical evidences. Comparison to acetonitrile

Shiraz A. Markarian, Heghine H. Ghazoyan, Hasmik R. Sargsyan, Gevorg S. Grigoryan, Vitaly V. Chaban, Adrine D. Sahakyan, Levon A. Tavadyan

Journal of Molecular Liquids 2023 122924

Conference

COMPLEX FORMATION OF COPPER(II) WITH (S)-β-[3-ISOBUTYL-4-(2-METALLYL)-5-THIOXO-1,2,4- TRIAZOL-1-YL]-α-ALANINE IN AQUEOUS SOLUTION

Sargsyan H.R., Grigoryan G.S., Markarian S.A.

2023 288

https://newtrendschem.org/

Conference

THE MICELIZATION OF AOT IN AQUEOUS SOLUTION OF DMSO

H. Sargsyan, G. Grigoryan, H. Ghazoyan, Sh. Markarian

2022 57-58

https://polychar-28.ysu.am/

Conference

ИЗУЧЕНИЕ КОМПЛЕКСООБРАЗОВАНИЯ ИОНА НИКЕЛЯ(II) С ФЕНИЛАЛАНИНОМ В ВОДНОЙ СРЕДЕ МЕТОДОМ ИК-СПЕКТРОСКОПИИ

Г.С. Григорян, А.Р. Саркисян, С.К. Григорян

2022 221-222

https://spec-complex.kubsu.ru/Materials.php

Conference

ИССЛЕДОВАНИЕ КОМПЛЕКСООБРАЗОВАНИЯ ВИТАМИНА B12 С ДНК МЕТОДОМ ЭЛЕКТРОННОЙ СПЕКТРОСКОПИИ ПОГЛОЩЕНИЯ

Саркисян А.Р., Маркарян Ш.А.

2021 108 - 108

http://cluster.isc-ras.ru/sites/default/files/collectionabstracts/59/sbornik-te...

Article

Fluorescence anisotropy studies on the Hoechst 33258-DNA interaction: the solvent effect

Karen Yu. Amirbekyan, Gohar A. Shahinyan, Heghine H. Ghazoyan, Hasmik R. Sargsyan,

Shiraz A. Markarian

Journal of Biomolecular Structure and Dynamics 2020 1-5

Conference

УФ-ИССЛЕДОВАНИЕ КОМПЛЕКСООБРАЗОВАНИЯ п-НИТРОАНИЛИНА С МОЛЕКУЛАМИ АЭРОЗОЛЯ ОТ В МИЦЕЛЛЯРНЫХ СИСТЕМАХ

А.Р. Саркисян, Е.А. Казоян, Ш.А. Маркарян

2020 299-300

http://www.spec-complex.kubsu.ru/

Article

Synthesis, Structure, and Properties of Novel Enamine Containing Coumarin and Phosphonium Fragments

L. D. Popov, I. N. Scherbakov, S. A. Borodkin, Yu. V. Revinskii, E. A. Kazoyan, G. A. Shaginyan,

A. R. Sarkisyan, Sh. A. Markaryan

Russian Journal of General Chemistry 2019 906-912

Article

Synthesis of Phosphonium Enamines: Physicochemical Properties of Dimethyl Sulfoxide Solutions

S. A. Borodkin, E. A. Kazoyan, L. D. Popov, G. A. Shaginyan, A. R. Sarkisyan, I. N. Shcherbakov,

Sh. A. Markaryan

Russian Journal of Physical Chemistry A 2019 2187–2191

Article

Thermodynamic and Spectroscopic (UV–Vis, FT IR) Studies of Solutions of CoCl2 (or NiCl2) in Diethylsulfoxide

Shiraz A. Markarian, Heghine H. Ghazoyan, Hasmik R. Sargsyan, Gohar A. Shahinyan

Journal of Solution Chemistry 2019 1378-1392

Conference

UV-VIS AND THERMODYNAMIC STUDIES OF COMPLEX FORMATION OF DIETHYLSULFOXIDE WITH CoCl2AND NiCl2

H.H. Ghazoyan, H.R. Sargsyan, Z.K. Papanyan, S.A. Markarian

2019 278-279

http://www.spec-complex.kubsu.ru

Conference

The study of thermodynamic properties of binary mixtures diethylsulfoxide-acetonitrile (or propionitrile)

Ghazoyan H.H., Grigoryan Z.L., Sargsyan H.R., Markarian S.A.

2018 222-223

http://cluster.isc-ras.ru

Conference

ИЗУЧЕНИЕ КОМПЛЕКСООБРАЗОВАНИЯ ХЛОРИДА И НИТРАТА МЕДИ (II) С ДИЭТИЛСУЛЬФОКСИДОМ МЕТОДОМ УФ СПЕКТРОСКОПИИ

А.Р. Саркисян, Г.А. Щагинян, Е.А. Казоян, И.Н. Щербаков, Ш.А. Маркарян

2017 263

http://spec-complex.kubsu.ru/

Article

Effect of diethylsulfoxide on volumetric properties of sodium bis (2-ethylhexyl) sulfosuccinate microemulsions

G.A. SHAHINYAN, H.R. SARGSYAN, A.M. KOLKER, S.A. MARKARIAN

Հայաստանի քիմիական հանդես 2016 407-415

http://chemistry.asj-oa.am/view/year/2016.html

Article

Влияние концентрации Na-сульфосукцината (НАС) на свойства мицеллярной системы НАС–н-гептан–ДМСО–вода

Ш.А. Маркарян, А.Р. Саркисян, Г.А. Шагинян

Журнал физической химии (Russian Journal of Physical Chemistry A) 2015 1606-1611

http://www.maik.ru/ru/journal/fizkhim/

Article

Effect of the Dioctyl Sodium Sulfosuccinate (AOT) Concentration on the Properties of the AOT–n-Heptane–DMSO–Water Micellar System

Sh. A. Markaryan, A. R. Sarkisyan, G. A. Shaginyan

Russian Journal of Physical Chemistry A 2015 1808-1813

http://link.springer.com/journal/11504

Conference

Physicochemical properties of n-heptane/AOT/water+ sulfoxide microemulsions

G.A. Shahinyan, H.R. Sargsyan, S.A. Markarian

2015 165

http://chph.sci.am/conference/IChPh2015.html

Study manual

Էլեկտրոնային կլանման սպեկտրոսկոպիա. կիրառումը քիմիական և կենսաբանական համակարգերում

Սարգսյան Հ.Ռ.
2015 28

Article

Volume Properties of Reverse Micellar Systems AOT/nHeptane/DMSO–Water
A. R. Sargsyan, G. A. Shahinyan, S. A. Markarian

Журнал физической химии (Russian Journal of Physical Chemistry A) 2014 858–862

Article

Effect of Diethylsulfoxide on the Thermal Denaturation of DNA
Karine R. Grigoryan, Arpine M. Asatryan, Shiraz A. Markarian, Hasmik R. Sargsyan

Biopolymers 2006 1-5

Article

Complexation and Reactions of Molecular Iodine with Dimethyl and Diethyl Sulfoxides
Grigoyan K. R., Sh. A. Markaryan, A. R. Sarkisyan,, A. M. Asatryan,, Ts. A. Adamyan

Russian Journal of General Chemistry 2006 1801-1803
