

Hasmik Razmik Sargsyan

Faculty of Chemistry

Chair of Physical and Colloid Chemistry

Associate professor

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✉ hassarg@ysu.am



Education

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

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

Scientific Rank/degree

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|------------------------------|--|
| Institution | Chemical Physics Institute |
| Date | 1993 |
| Degree name | Candidate |
| Specialty | Chemical sciences |
| 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

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| Institution | Yerevan State University |
| Period of time | 2011 till now |
| Rank/degree | up to now: assistant prof. |

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

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

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

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

Scientific interests

- study of complexation processes
 - study of structural features of vitamins
 - study of volume and transport properties of reverse micelle systems
 - study of substance distribution in micellar systems
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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

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

Г.С. Григорян, А.Р. Саркисян

Известия высших учебных заведений. Серия: химия и химическая технология (ChemChemTech) 2024 67-73

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

Известия высших учебных заведений. Серия: химия и химическая технология (ChemChemTech) 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

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

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 (Журнал общей химии) 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

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>

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

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 (Журнал общей химии) 2006 1801-1803

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

Conference

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

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

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

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.

Conference

UV-VIS AND THERMODYNAMIC STUDIES OF COMPLEX FORMATION OF DIETHYLSULFOXIDE WITH CoCl₂ AND NiCl₂

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

Conference

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

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

Conference

THE MICELIZATION OF AOT IN AQUEOUS SOLUTION OF DMSO

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

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.

Conference

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

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

Conference

ИССЛЕДОВАНИЕ КОМПЛЕКСООБРАЗОВАНИЯ ВИТАМИНА В12 С ДНК МЕТОДОМ ЭЛЕКТРОННОЙ СПЕКТРОСКОПИИ ПОГЛОЩЕНИЯ

Саркисян А.Р., Маркарян Ш.А.
