

# Zara Lernik Grigoryan

✉ zara.grigoryan@ysu.am

## Faculty of Chemistry

Chair of Physical and Colloid Chemistry

Senior laboratory assistant

## Education

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<b>Institution</b>	Yerevan State University,
<b>Faculty</b>	Department of chemistry/Pharmaceutical Chemistry
<b>Date</b>	1998 - 2003
<b>Degree name</b>	Qualified specialist

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## Scientific Rank/degree

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<b>Institution</b>	A.B. Nalbandyan Institute of Chemical Physics NAS RA
<b>Date</b>	2020
<b>Degree name</b>	Candidate
<b>Specialty</b>	Chemical sciences
<b>Scientific Supervisor</b>	doctor of science, professor S.A. Markarian
<b>Research Topic</b>	Physicochemical study of dimethyl- and diethylsulfoxides solutions of some compounds containing nitrile group

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## Language skills

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English

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## Work experience

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<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2020 till now
<b>Rank/degree</b>	senior laborant

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## Scientific interests

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- Thermodynamic studies of solutions
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## Publications

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*Article*

**Dimethyl sulfoxide heavily extends homogeneous regions of the Propionitrile/DMSO/Water**

## **mixtures**

Heghine H. Ghazoyan, Zara L. Grigoryan, Shiraz A. Markarian, Vitaly V. Chaban

Journal of Molecular Liquids 2023 121734

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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*

#### **Study of thermodynamic properties of binary mixtures of propionitrile with dimethylsulfoxide (or diethylsulfoxide) at temperatures from (298.15 to 323.15)K**

H.H. Ghazoyan, Z.L. Grigoryan, L.S. Gabrielyan, S.A. Markarian

Journal of Molecular Liquids 2019 147-156

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### *Article*

#### **Volumetric properties of binary mixtures of acrylonitrile with dimethylsulfoxide (or diethylsulfoxide) at temperatures from 298.15 to 323.15 K**

H.H. Ghazoyan, Z.L. Grigoryan, Sh.A. Markarian

Chemical Journal of Armenia 2017 462-476

<http://chemjournal.sci.am>

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### *Article*

#### **VOLUMETRIC PROPERTIES AND VISCOSITY OF DIETHYL SULFOXIDE IN ACETONITRILE AT DIFFERENT TEMPERATURES**

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

ԵՊՀ գիտական տեղեկագիր, Բնական գիտություններ 2017 147-155

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### *Article*

#### **LIQUID-VAPOR EQUILIBRIUM OF DIMETHYL SULFOXIDE-ACETONITRILE SYSTEM AT THE TEMPERATURE RANGE 293.15-323.15 K**

Z. L. Grigoryan

ԵՊՀ գիտական տեղեկագիր, Բնական գիտություններ 2016 14-18

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### *Article*

#### **ИССЛЕДОВАНИЕ РАВНОВЕСИЯ ЖИДКОСТЬ-ПАР В БИНАРНОЙ СИСТЕМЕ ДИМЕТИЛСУЛЬФОКСИД-ЭТАНОЛ**

Ե. Ա. ԿԱԶՕՅԱՆ, Յ. Լ. ԳՐԻԳՕՐՅԱՆ, Շ. Ա. ՄԱՐԿԱՐՅԱՆ

Chemical Journal of Armenia 2014 36-42

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### *Conference*

#### **Viscosity and volumetric properties of acrylonitrile+ dimethylsulfoxide binary mixtures at T=(298.15-318.15)K**

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

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### *Conference*

#### **ИССЛЕДОВАНИЕ СМЕСЕЙ АЛИФАТИЧЕСКИХ НИТРИЛОВ С СУЛЬФОКСИДАМИ НА ОСНОВАНИИ ДАННЫХ ДЕНСИТОМЕТРИИ, ВИСКОЗИМЕТРИИ И ФАЗОВЫХ РАВНОВЕСИЙ**

Казоян Е.А., Григорян З.Л., Маркарян Ш.А.

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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*

**Thermodynamic study of binary mixtures of aliphatic nitriles (acetonitrile, propionitrile, butyronitrile and acrylonitrile) with dimethylsulfoxide (or diethylsulfoxide)**

Shiraz Markarian, Zara Grigoryan, Heghine Ghazoyan

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