

Armen I. Martiryan

Faculty of Chemistry

Chair of Inorganic and Analytical Chemistry

Head of the chair, associate professor

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Education

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| Institution | Yerevan State University |
| Faculty | Faculty of Chemistry |
| Date | 1985 - 1988 |
| Degree name | PhD student |

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| Institution | Yerevan State University |
| Faculty | Faculty of Chemistry |
| Date | 1980 - 1985 |
| Degree name | Qualified specialist |

Scientific Rank/degree

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| Institution | Yerevan State University |
| Date | 1992 |
| Degree name | Postgraduate |
| Scientific Supervisor | G. Pirumyan |
| Research Topic | The study of regularities of physicochemical transformations of some organic compounds in aqueous media and model systems |

Language skills

Հայերեն Русский English

Work experience

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| Institution | Scientific Center of Chemistry, Yerevan State University |
| Period of time | 2020 till now |
| Rank/degree | Head of Laboratory of Ecological Safety |

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| Institution | Faculty of Chemistry, Yerevan State University |
| Period of time | 2019 till now |
| Rank/degree | Head of Department of Inorganic and Analytical Chemistry |

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| Institution | Faculty of Chemistry, Yerevan State University |
| Period of time | 2017 - 2019 |
| Rank/degree | Deputy Dean |
| Institution | Department of Physical and Colloid Chemistry, Faculty of Chemistry, Yerevan State University |
| Period of time | 2015 - 2019 |
| Rank/degree | Associate Professor |
| Institution | Department of Ecological Chemistry, Faculty of Chemistry, Yerevan State University |
| Period of time | 2007 - 2015 |
| Rank/degree | Associate Professor |
| Institution | Faculty of Chemistry, Yerevan State University. |
| Period of time | 2000 - 2006 |
| Rank/degree | Associate Professor |
| Institution | Faculty of Chemistry, Yerevan State University |
| Period of time | 1995 - 2000 |
| Rank/degree | Associate Professor, Head of Laboratory of Department of Catalysis |
| Institution | Yerevan State University |
| Period of time | 1993 - 1995 |
| Rank/degree | Senior Researcher |
| Institution | Yerevan State University |
| Period of time | 1986 - 1993 |
| Rank/degree | Researcher |
| Institution | Department of Physical and Colloidal Chemistry, Faculty of Chemistry, Yerevan State University |
| Period of time | 1985 - 1986 |
| Rank/degree | Analyst |

Scientific interests

- Ecological Chemistry of Water Environment, Photochemistry, Reactions Occurring on Solid Surfaces, Chemistry of the Crystals, Free Radical Reactions

Publications

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, Mrcrtich A. Yeranosyan
Applied Physics A: Materials Science and Processing 2024 152

Article

ENVIRONMENTAL SAFETY AND ANTIOXIDANT POTENTIAL OF LICORICE ROOT HARVESTED IN PENZA

PETROSYAN H. R., NIGARYAN A. A., HOVHANNISYAN H. A., SOLOYAN A. M., VARDAPETYAN V. V., MARTIRYAN A. I.
Oxidation Communications 2024 478-485

Article

PREPARATION AND STUDY OF JUNIPER BERRY AND SEED EXTRACTS

M. S. TOROSYAN, V. V. VARDAPETYAN, G. A. SHAHINYAN, A. I. MARTIRYAN
Proceedings of the YSU B: Chemical and Biological Sciences 2023 177-181

Article

STUDY OF ANTIOXIDANT PROPERTIES OF SOME TYPES OF PACKAGED COFFEE

V. V. VARDAPETYAN, M. S. TOROSYAN, G. A. SHAHINYAN, A. I. MARTIRYAN
Proceedings of the YSU B: Chemical and Biological Sciences 2023 182-189

Manual

Կոմպլեքս միացություններ

Գոհար Պետրոսյան, Ռոբերտ Աղամյան, Արմեն Մարտիրյան
2023 164

Article

HYPOTENSIVE AND ANTIOXIDANT PROPERTIES OF GAMMA-HYDROXY ACID HYDRAZIDES

Ghochikyan T.V., Martiryan A.I., Tadevosyan L.G., Petrosyan I.A., Galstyan A.S, Samvelyan M.A.
New Armenian Medical journal 2023 59-65

Article

Оценка пригодности вод реки Вохчи для орошения в загородной черте города Капан

Л.А. Маргарян, С.С. Айрапетян, А.М. Хачатрян, Л.С. Банян, А.И. Мартирян
Ճգնաժամային կառավարում և տեխնոլոգիաներ 2023 108-110

Article

Evaluation of antioxidant activity and heavy metals content in licorice (*Glycyrrhiza glabra* L.) growing wild in Armenia

H. R. Petrosyan, A.A. Nigaryan, H.A. Hovhannisyanyan, A.M. Soloyan, V.V. Vardapetyan, A.I. Martiryan
Heliyon 2023 e22442

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

Article

THE INFLUENCE OF THE ACIDIC TREATMENT OF PEAT ON ITS SORPTION PROPERTIES

S.S.Hayrapetyan, L.S.Banyan, L.A.Margaryan, H.G.Khachatryan, A.I.Martiryan

Proceedings of the YSU B: Chemical and Biological Sciences 2022 120-125

Article

Antiradical activity, base-catalyzed hydrolysis and partition coefficients of some surfactants

Armen I. Martiryan, Gohar A. Shahinyan, Vladimir V. Vardapetyan

Colloids and Interface Science Communications 2022 100653

Article

SYNTHESIS AND STUDY OF PEROXOSOLVATES OF SULFATES OF ELEMENTS OF THE SECOND GROUP

A. I. MARTIRYAN,, L. G. TADEVOSYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2022 114-119

Article

COMPOSITE SORBENTS BASED ON DIATOMITE-BENTONITE AND PAPER-PULP FOR THE REMOVAL OF HEAVY METALS

S. S. Hayrapetyan, M. S. Hayrapetyan, A. I. Martiryan, H. H. Darbinyan, H. G. Khachatryan

Proceedings of the YSU B: Chemical and Biological Sciences 2021 125-135

Article

Assessment of self-purification chemical processes of the river Hrazdan in Armenia

L. A. MARGARYAN, S. S. HAYRAPETYAN, L. S. BANYAN, A. I. MARTIRYAN

Chemical Journal of Armenia 2021 239-244

Article

Synthesis of gamma-hydroxy acid hydrazides of a new structure and study of their antioxidant properties.

Martiryan A. I., Galstyan A. S., Tadevosyan L. G., Petrosyan I. A.

Proceedings of the YSU B: Chemical and Biological Sciences 2020 188-195

Article

THE STUDY OF THE COMPLEX FORMATION OF THE COPPER(II) ION WITH SALICYLIC ACID BY MEANS OF THE EPR AND UV-VIS SPECTROSCOPY METHODS WITHIN WIDE RANGE OF AQUEOUS MEDIUM'S pH VALUES

Grigoryan G.S., Grigoryan S.K., Martiryan A.I., Tadevosyan L.G.

Proceedings of the YSU B: Chemical and Biological Sciences 2019 166-170

Article

DETERMINATION OF THE REACTION RATE CONSTANT FOR THE INTERACTION OF DIETHYL SULFOXIDE WITH THE HYDROXYL RADICAL ON THE BASIS OF COMPETITIVE KINETICS

A.I. MARTIRYAN, T.M. AYVAZYAN, Sh.A. MARKARIAN

Proceedings of the YSU B: Chemical and Biological Sciences 2018 80-82

Article

Synthesis of Carvone-Derived 1,2,3-Triazoles Study of Their Antioxidant Properties and Interaction with Bovine Serum Albumin

Armen S. Galstyan, Armen I. Martiryan, Karine R. Grigoryan, Armine G. Ghazaryan,

Melanya A. Samvelyan, Taniel V. Ghochikyan, Valentine G. Nenajdenko
Molecules 2018 2991(1-12)

Manual

**ՄԱՆԴԻ ԱՆՎՏԱՆԳՈՒԹՅԱՆ, ՄԱՆԴԻ ԹԻՄԻԱՅԻ ԵՎ ՄԱՆԴԱՐՏԱԴՐԱԿԱՆ ՏԵԽՆՈԼՈԳԻԱՆԵՐԻ
ԱՆԳԼԵՐԵՆ-ՀԱՅԵՐԵՆ-ՌՈՒՄԵՐԵՆ ՏԵՐՄԻՆԱԲԱՆԱԿԱՆ ՀԱՄԱՌՈՏ ԲԱՌԱՐԱՆ**
Գրիգորյան Կ.Ռ., Մարտիրյան Ա.Ի.

2017 70

Article

Peroxosolvates of Magnesium and Zinc Silicates. Obtaining, structure and stability studies
I. Martiryan A.I., Nersesyan L.A., Tavadyan L.A.

London Review of Education and Science 2016 990-997

<http://www.dongau.ru/nauka-i-innovatsii/nauchnye-konferentsii/meropriyatiya-iyu...>

Article

SYNTHESIS AND ANALYSIS OF SODIUM TRIPOLYPHOSPHATE PEROXO SOLVATE
A. I. MARTIRYAN, L. A. NERSESIAN

Proceedings of the YSU B: Chemical and Biological Sciences 2015 18-21

<http://www.ysu.am/science/hy/journals>

Manual

Ատոմային սպեկտրոսկոպիա
Գրիգորյան Գ.Ս., Մարտիրյան Ա.Ի.

2015 34

Conference

**ПОЛУЧЕНИЕ ПЕРОКСОСОЛЬВАТОВ ИЗ НЕКОТОРЫХ НЕРАСТВОРИМЫХ В ВОДЕ СИЛИКАТОВ
И ИХ ИЗУЧЕНИЕ**

Мартирян А.И., Оганнисян А.А.

Conference

Susceptibility of biofilms to influence of peroxide containing biocides

A. Martiryan, K. Grigoryan, L. Tavadyan, L. Nersesyan, G. Badalyan

Conference

СИНТЕЗ ПЕРОКСОСОЛЬВАТОВ СУЛЬФАТОВ МАГНИЯ И ЦИНКА

А.И. Мартирян

Conference

**ОЦЕНКА ЭФФЕКТИВНОСТИ ИСПОЛЬЗОВАНИЯ ОСАЖДЕНИЯ СТРУВИТА ДЛЯ ИЗВЛЕЧЕНИЯ
АЗОТА ИЗ СТОЧНЫХ ВОД**

Маргарян Л.А., Айрапетян С.С., Банян Л.С., Мартирян А.И.

Conference

Cellulose containing composite sorbents to remove heavy metals

S.S. Hayrapetyan, M.S. Hayrapetyan, L.A. Margaryan, L.S. Banyan, A.I. Martiryan

Conference

STUDY OF TN/TP RATIO CHANGES DEPENDING ON WATER LEVEL VARIATION IN THE LAKE

SEVAN

Liana MARGARYAN, Sergey HAYRAPETYAN, Lilit BANYAN, Armen MARTIRYAN

Conference

BIODEGRADABILITY AND BIOAVAILABILITY OF SEVERAL ENVIRONMENTALLY FRIENDLY SURFACTANTS

Armen I. Martiryan, Gohar A. Shahinyan, Vladimir V. Vardapetyan

Patent

Ախտահանող-վազող միջոց

Արմեն Իգնատիոսի Մարտիրյան, Լևոն Աղասիի Թավադյան, Լևոն Անդրանիկի Ներսեսյան, Կարինա Մարտինի Գրիգորյան, Սերյան Հենրիկի Մինասյան, Վլադիմիր Աղաբեկով, Ալեքսանդր Ռոտկո, Մոհամմեդ Ալ-Ֆազի, Տուրկի Սաուդ Մոհամմեդ Ալ-Սաուդ

Patent

Հակաօքսիդանտային ակտիվություն ցուցաբերող (R)-2-մեթիլ-5-(3-(4-(ամինոմեթիլ)-1H-1,2,3-տրիազոլ-1-իլ)պրոպ-1-են-2-իլ)ցիկլոհեքս-2-ենոնի N,N-երկտեղակալված ածանցյալներ

Գալստյան Արմեն Սուրենի, Ղոչիկյան Տարիել Վլադիմիրի, Մարտիրյան Արմեն Իգնատիոսի, Սամվելյան Մելանյա Աշոտի

Patent

Ախտահանող և վազող նյութեր

Թավադյան Լևոն, Ներսեսյան Լևոն, Գրիգորյան Կարինե, Մարտիրյան Արմեն, Մինասյան Սերյան, Աղաբեկով Վլադիմիր

Conference

COMPOSITE SORBENT BASED ON HUMIC ACIDS AND ALUMINOSILICATES

Hayrapetyan Martin, Hayrapetyan Sergey, Margaryan Liana, Banyan Lilit, Martiryan Armen

Conference

Antioxidant Activity of Alpine Herbal Tea

Gohar A. Shahinyan, Armen I. Martiryan
