Armen I. Martiryan

34-03
(060) 71-04-03
armart@ysu.am

Faculty of Chemistry
Chair of Inorganic and Analytical Chemistry
Head of Chair (Associate Professor)

Faculty of Chemistry
Chair of Inorganic and Analytical Chemistry
Head of Chair (Associate Professor)

Faculty of Chemistry
Research Center of Chemistry
Էկոլոգիական անվտանգության լաբորատորիա
head of laboratory

Education

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

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

Scientific Rank/degree

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

Language skills

Հայերեն Русский English

Work experience

Institution	Scientific Center of Chemistry, Yerevan State University

Period of time	2020 till now
Rank/degree	Head of Laboratory of Ecological Safety

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

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

Publications

Article

CORRELATION BETWEEN CAFFEINE CONTENT, ANTIOXIDANT POWER, TOTAL POLYPHENOL AMOUNT AND GROWTH HEIGHT OF ARMENIAN MOUNTAINOUS HERBS

G. A. SHAHINYAN, V. V. VARDAPETYAN, S. M. VARDAPETYAN, A. I. MARTIRYAN

Proceedings of the YSU B Chemical and Biological Sciences 2026 71-87

https://journals.ysu.am/proceedings-chem-biol/article/view/vol60_no1_2026_pp071...

Article

Antioxidant activity, mineral profile, fatty acids and organic acids analysis of Sambucus Nigra L. flower extracts. Optimization of extraction methods

Vladimir V. Vardapetyan, Ani A. Grigoryan, Gohar A. Shahinyan, Anna M. Soloyan, Armen I. Martiryan

Food Chemistry 2025 143546

Article

EVALUATION OF AIR POLLUTION RISKS TO HUMAN HEALTH FROM MINING AREAS IN KAPAN TOWN OF ARMENIA

L. A. MARGARYAN, H. G. KHACHATRYAN, G. S. SIMONYAN, A. A. ARAKELYAN, A. H. NERSISYAN,

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

Journal of Environmental Protection and Ecology 2025 825–832

Article

Luminescent Properties of a Solid-Phase Composite Based on Zirconium, Rare Earth Elements (Er, Nd) and Molybdenum

Lusik Nersisyan, Romik Harutyunyan, Armen Martiryan, Hayk Petrosyan

Eurasian Chemico-Technological Journal 2025 229-234

Textbook

ԱՆՕՐԳԱՆԱԿԱՆ ՔԻՄԻԱՅԻ ԼԱԲՈՐԱՏՈՐ ԱՇԽԱՏԱՆՔՆԵՐ

Ռոբերտ Ադամյան, Լուսինե Թադևոսյան, Արմեն Մարտիրյան

2025 332

Study manual

Մննդամթերքի ուսումնասիրման մեթոդներ

Գոհար Շահինյան, Արմեն Մարտիրյան

2025 110

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,

Mcrtich A. Yeranosyan

Applied Physics A 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

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

Conference

Antioxidant Activity of Alpine Herbal Tea

Gohar A. Shahinyan, Armen I. Martiryan

2024 18 - 18

https://spectusconferences.com/chemistry-chem-engineering/index.php

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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

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.

THE 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

Crisis Management and Technologies 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. Hovhannisyan, 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

Conference

COMPOSITE SORBENT BASED ON HUMIC ACIDS AND ALUMINOSILICATES

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

2023 23 - 23

https://icsp8.tsu.ge/ge/symposium_proceedings

Study manual

Կոմպլեքս միացություններ
Գոհար Պետրոսյան, Ռոբերտ Ադամյան, Արմեն Մարտիրյան

2023 164

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

Conference

STUDY OF TN/TP RATIO CHANGES DEPENDING ON WATER LEVEL VARIATION IN THE LAKE SEVAN
Liana MARGARYAN, Sergey HAYRAPETYAN, Lilit BANYAN, Armen MARTIRYAN

2022 80

http://eec-2022.mrda.md/

Conference

BIODEGRADABILITY AND BIOAVAILABILITY OF SEVERAL ENVIRONMENTALLY FRIENDLY SURFACTANTS
Armen I. Martiryan, Gohar A. Shahinyan, Vladimir V. Vardapetyan

2022 54

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

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

Conference

Cellulose containing composite sorbents to remove heavy metals

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

2021 50-50

https://icsp7.tsu.ge/data/file_db/icsp7/abstract_icsp7.pdf

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

Conference

ОЦЕНКА ЭФФЕКТИВНОСТИ ИСПОЛЬЗОВАНИЯ ОСАЖДЕНИЯ СТРУВИТА ДЛЯ ИЗВЛЕЧЕНИЯ АЗОТА ИЗ СТОЧНЫХ ВОД

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

2020 277-280

https://leader-id.ru/events/170956

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, Tariel V. Ghochikyan, Valentine G. Nenajdenko

Molecules 2018 2991(1-12)

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 Տարիէլ Վլադիմիրի, Մարտիրյան Արմեն Իգնատիոսի,

Սամվելյան Մելանյա Աշոտի

2018

Conference

СИНТЕЗ ПЕРОКСОСОЛЬВАТОВ СУЛЬФАТОВ МАГНИЯ И ЦИНКА

А.И. Мартирян

2017 116

http://docplayer.ru/54492342-V-nauchnaya-konferenciya-armyanskogo-himicheskogo-...

Study manual

ՄՆՆԴԻ ԱՆՎՏԱՆԳՈՒԹՅԱՆ, ՄՆՆԴԻ ՔԻՄԻԱՅԻ ԵՎ ՄՆՆԴԱՐՏԱԴՐԱԿԱՆ ՏԵԽՆՈԼՈԳԻԱՆԵՐԻ ԱՆԳԼԵՐԵՆ-ՀԱՅԵՐԵՆ-ՌՈՒՍԵՐԵՆ ՏԵՐՄԻՆԱԲԱՆԱԿԱՆ ՀԱՄԱՌՈՏ ԲԱՌԱՐԱՆ

Գրիգորյան Կ.Ռ., Մարտիրյան Ա.Ի.

2017 70

Article

Peroxosolvates of Magnesium and Zinc Silicates.Obtaining, structure and stability studies

1. 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...

Conference

ПОЛУЧЕНИЕ ПЕРОКСОСОЛЬВАТОВ ИЗ НЕКОТОРЫХ НЕРАСТВОРИМЫХ В ВОДЕ СИЛИКАТОВ И ИХ ИЗУЧЕНИЕ

Мартирян А.И., Оганнисян А.А.

2016 197-198

Patent

Ախտահանող-լվացող միջոց

Արմեն Իգնատիոսի Մարտիրյան, Լևոն Աղասիի Թավադյան, Լևոն Անդրանիկի Ներսեսյան,

Կարինա Մարտինի Գրիգորյան, Սերյան Հենրիկի Մինասյան, Վլադիմիր Աղաբեկով,

Ալեքսանդր Ռոտկո, Մոհամմեդ Ալ-Ֆագի, Տուրկի Սաուդ Մոհամմեդ Ալ-Սաուդ

2016

Patent

Ախտահանող և լվացող նյութեր

Թավադյան Լևոն, Ներսեսյան Լևոն, Գրիգորյան Կարինե, Մարտիրյան Արմեն, Մինասյան Սեյրան,

Ագաբեկով Վլադիմիր

2016

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

Conference

Susceptibility of biofilms to influence of peroxide containing biocides

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

2015 210-211

http://www.keyevent.org/tabs/view/328c5e77d7c2774ee44bc6dfc45b4793

Study manual

Ատոմային սպեկտրոսկոպիա

Գրիգորյան Գ.Ս., Մարտիրյան Ա.Ի.

2015 34
