Marieta Samvel Mikaelyan

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Researcher

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Education

Institution	Yerevan State University
Faculty	Biology
Date	2005 - 2007
Degree name	Masters

Institution	Yerevan State University
Faculty	Biology
Date	2001 - 2005
Degree name	Bachelor

Scientific Rank/degree

Institution	Yerevan State University
Date	2017
Degree name	Candidate
Specialty	Biological sciences
Scientific Supervisor	Prof. Vardevanyan P.O.
Research Topic	Effect of millimeter range electromagnetic waves on some constituents of blood

Language skills

English Русский Հայերեն Français

Scientific interests

- Effect of millimeter range electromagnetic waves on blood constituents

Publications

Article

Fluorescence Characteristics of Hoechst 33258 Complexes with Single-Stranded and Double-Stranded Polyribonucleotides in Solution at Various Solution Ionic Strengths
A.P. Antonyan, P.O.Vardevanyan, M.S.Mikaelyan, G.H.Poghosyan, G.H. Kocharyan, M.A.Parsadanyan

Журнал прикладной спектроскопии (Journal of Applied Spectroscopy) 2025 1280-1285

Article

INTERACTION OF DOPAMINE WITH DNA, DEPENDING ON THE IONIC STRENGTH OF THE SOLUTION: POTENTIAL APPLICATION IN SENSOR TECHNOLOGY

Marine A. Parsadanyan, Hrant M. Avanesyan, Arsen B. Lokyan, Sahak V. Hovhannisyan, Mariam A. Shahinyan, Marieta S. Mikaelyan, Gaspar H. Kocharyan, Ara P. Antonyan, Poghos O. Vardevanyan

Медицинские новости Грузии (Georgian medical news) 2025 69-75

Article

Comparative study of spectral properties of the bovine serum albumin complexes with acridine orange and methylene blue under the effect of millimeter range electromagnetic waves

A.P. Antonyan, M.A. Shahinyan, M.S. Mikaelyan, A.H. Karapetyan, V.P. Kalantaryan, P.O. Vardevanyan

Electromagnetic Biology and Medicine 2025 1-11

Article

Absorption and Fluorescence Characteristics of the Binding of Ethidium Bromide with Synthetic Single- and Double-Stranded Polyribonucleotides

A.P. Antonyan, P.O. Vardevanyan, M.S. Mikaelyan, G.H. Kocharyan, G.H. Poghosyan, M.A. Parsadanyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2024 103-110

Article

Influence of millimeter range electromagnetic waves on bovine serum albumin interaction with acridine orange

M.A. Parsadanyan, M.A. Shahinyan, M.S. Mikaelyan, S.V. Grigoryan, G.H. Poghosyan, P.O. Vardevanyan

Electromagnetic Biology and Medicine 2024 1-11

Article

ERYTHROCYTES AS A MODEL FOR STUDYING THE EFFECT OF TEMPERATURE ON THE RESISTENCE OF CELLULAR MEMBRANES

M.S.Mikaelyan, M.A. Shahinyan, M.A. Parsadanyan

Proceedings of the YSU B: Chemical and Biological Sciences 2023 118-125

Article

EFFECT OF EXTREMELY HIGH FREQUENCY ELECTROMAGNETIC IRRADIATION TREATMENT ON GERMINATION, GROWTH AND AMYLASE ACTIVITY OF WHEAT SEEDS

G.H.POGHOSYAN, M.S. MIKAELYAN, P.H.VARDEVANYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2023 19-31

Article

ВЗАИМОДЕЙСТВИЕ СЫВОРОТОЧНОГО АЛЬБУМИНА С ЭРИТРОЗИНОМ В ПОД ВОЗДЕЙСТВИЕМ ЭЛЕКТРОМАГНИТНЫХ ВОЛН МИЛЛИМЕТРОВОГО ДИАПАЗОНА

М.А. Парсаданян, М.А. Шагинян, С.В. Григорян, М.С. Микаелян, Г.А. Погосян, В.П. Калантарян, П.О. Вардеванян

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 643-651

Article

Interaction of Serum Albumin with Erythrosine B under the Influence of Millimeter-Range Electromagnetic Waves

M.A. Parsadanyan, M.A. Shahinyan, S.V. Grigoryan, M.S. Mikaelyan, G.H. Poghosyan, V.P. Kalantaryan,

P.O. Vardevanyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 428-434

Article

Comparision of methyl violet interaction with bovine serum albumin and human serum albumin by UV-denaturation method

Shahinyan M.A., Mikaelyan M.S., Parsadanyan M.A., Antonyan A.P.

Proceedings of the YSU B: Chemical and Biological Sciences 2022 136-140

Article

Effect of resonant electromagnetic irradiation and aspirin on surface tension of human blood plasma in vitro

M.S. Mikaelyan, M.A.Shahinyan, S.V.Grigoryan, M.A.Parsadanyan

Proceedings of the YSU B: Chemical and Biological Sciences 2022 218-224

Article

STUDY OF ASPIRIN EFFECT ON STABILITY OF MEMBRANES OF RAT BLOOD ERYTHROCYTES BY ACIDIC HEMOLYSIS METHOD

Gayane H. Poghosyan, Marieta S. Mikaelyan, Mariam A. Shahinyan, Evelina G. Sargsyan,

Anahit V. Nerkararyan

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Article

ИССЛЕДОВАНИЕ ВЛИЯНИЯ ММ ЭМВ НА КОМПЛЕКСООБРАЗОВАНИЕ HOECHST 33258 С БИОМАКРОМОЛЕКУЛАМИ

Вардеванян П.О., Шагинян М.А., Микаелян М.С., Григорян С.В.

Актуальные вопросы биологической физики и химии 2022 40-44

Article

STUDY OF PERMEABILITY OF FISH SKIN

Marine A. Parsadanyan, Marieta S. Mikaelyan

Proceedings of the YSU B: Chemical and Biological Sciences 2021 212-216

Article

EFFECT OF ELECTROMAGNETIC IRRADIATION AND ASPIRIN ON SURFACE TENSION OF HUMAN BLOOD PLASMA IN VITRO

A.V. Nerkararyan, M.S. Mikaelyan, S.V. Grigoryan

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Գ.Հ. Փանոսյան, Ս.Ա. Ղոնյան, Ա.Վ. Ներկարարյան, Մ.Ս. Միքաելյան

2021 194

Article

EFFECT OF MILLIMETER RANGE ELECTROMAGNETIC WAVES ON COMPLEX-FORMATION OF ETHIDIUM BROMIDE AND HOECHST 33258 WITH DNA

M. A. Shahinyan, M. S. Mikaelyan, M. A. Torosyan, A. T. Karapetyan

Proceedings of the YSU B: Chemical and Biological Sciences 2020 125-131

Article

INFLUENCE OF LOW DOSE GAMMA-IRRADIATION ON THE ELECTROKINETIC POTENTIAL OF WHEAT SEEDLINGS CELLULAR NUCLEI

L.A. Minasbekyan, A.V. Nerkararyan, M.S. Mikaelyan, R.R. Sadoyan

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Article

INFLUENCE OF MILLIMETER RANGE ELECTROMAGNETIC WAVESON HEMOLYSIS KINETICS OF RAT BLOOD ERYTHROCYTES

Shahinyan M.A., Mikaelyan M.S., Nerkararyan A.V.

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Article

BOVINE SERUM ALBUMIN DENATURATION IN THE PRESENCE OFHOECHST 33258 AND METHYLENE BLUE

P.O. Vardevanyan, M.S. Mikaelyan, N.H. Petrosyan

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Article

Study of Methylene Blue Interaction with Human Serum Albumin

Poghos O. Vardevanyan, Ara P. Antonyan, Marine A. Parsadanyan, Mariam A. Shahinyan,

Marieta S. Mikaelyan

Biophysical Reviews and Letters 2019 17-25

Article

Study of the influence of millimeter range electromagnetic waves on methylene blue complexes with human serum albumin

Mariam A. Shahinyan, Ara P. Antonyan, Vitali P. Kalantaryan, Marieta S. Mikaelyan,

Poghos O. Vardevanyan

Journal of Electromagnetic Waves and Applications 2019 2317-2327

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EFFECT OF MILLIMETER ELECTROMAGNETIC WAVES ON BUFFER CAPACITY OF ALBUMIN

M.A. SHAHINYAN, M.S. MIKAELYAN, M.R. DARBINYAN, A.V. NERKARARYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2018 105-109

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AGGREGATIVE PROPERTIES OF ERYTHROCYTE UNDER THE INFLUENCE OF MILLIMETER RANGE ELECTROMAGNETIC WAVES

M.A. Shahinyan, M.S. Mikaelyan, M.R. Darbinyan, P.O. Vardevanyan

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Time-Dependent Changes of Albumin Water Solutions After Irradiation by Electromagnetic Waves with Extremely High Radio Frequencies

Mariam A. Shahinyan, Marieta S. Mikaelyan, Meri R. Darbinyan, Poghos O. Vardevanyan

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Effect of whole body extremely high frequency electromagnetic irradiation exposure on lipid peroxidation in rats

Gayane Poghosyan, Marieta Mikaelyan, Anahit Nerkararyan, Poghos Vardevanyan

Biologija 2017 238-245

Article

ВЛИЯНИЕ ЭЛЕКТРОМАГНИТНЫХ ВОЛН МИЛЛИМЕТРОВОГО ДИАПАЗОНА НА ФЛУОРЕСЦЕНЦИЮ ВОДНО-СОЛЕВЫХ РАСТВОРОВ СЫВОРОТОЧНОГО АЛЬБУМИНА ЧЕЛОВЕКА

П.О. Вардеванян, А.П. Антонян, М.А. Шагинян, М.С. Микаелян

Журнал прикладной спектроскопии (Journal of Applied Spectroscopy) 2016 496-499

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Article

Influence of Electromagnetic Waves with Extremely High Frequencies on Some Criteria of Blood Plasma

P.O. Vardevanyan, A.P. Antonyan, A.V. Nerkararyan, M.A. Parsadanyan, M.A. Shahinyan, M.R. Darbinyan, M.S. Mikaelyan

Armenian Journal of Physics 2016 106-109

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Article

INFLUENCE OF MILLIMETER ELECTROMAGNETIC WAVES ON FLUORESCENCE OF WATER-SALINE SOLUTIONS OF HUMAN SERUM ALBUMIN

Vardevanyan P.O., Antonyan A.P., Shahinyan M.A., Mikaelyan M.S.

Journal of Applied Spectroscopy 2016 486-489

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Effect of low intensity EMW EHF on suspension density of rat blood erythrocytes.

Poghos O. Vardevanyan, Mariam A. Shahinyan, Anahit V. Nerkararyan, Marieta S. Mikaelyan, Meri R. Darbinyan

Brazilian journal of biological sciences 2015 193-197

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Study of influence of millimeter range electromagnetic waves on water-saline solutions of albumin

Mariam A. Shahinyan, Ara P. Antonyan, Marieta S. Mikaelyan, Poghos O. Vardevanyan

Biophysical Reviews and Letters 2015 201-207

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Article

Surface charge density of rat blood erythrocytes under the influence of millimeter diapason electromagnetic radiation.

A.V. Nerkararyan, M.S. Mikaelyan, M.A. Shahinyan, P.O. Vardevanyan

Biological Journal of Armenia 2015 16-20

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Conference

Influence of electromagnetic waves with extremely high frequencies on rat blood plasma surface tension

A.V. Nerkararyan, M.A. Shahinyan, M.S. Mikaelyan, P.O. Vardevanyan

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Conference

Effect of millimeter diapason electromagnetic irradiation on albumin denaturation

P.O. Vardevanyan, A.P. Antonyan, M.A. Shahinyan, M.A. Parsadanyan, M.S. Mikaelyan

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Conference

The effect of electromagnetic waves with extremely high frequencies and low intensity on human albumin solution

Poghos Vardevanyan, Vitali Kalantaryan, Mariam Shahinyan, Marina Parsadanyan, Mareta Mikaelyan

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Conference

Влияние электромагнитного излучения миллиметрового диапазона на конформационные свойства сывороточного альбумина человека

Вардеванян П.О., Парсаданян М.А., Шагинян М.А., Микаелян М.С.

Conference

Density of erythrocytes in suspension under the effect of millimeter electromagnetic waves

Marieta S. Mikaelyan, Mariam A. Shahinyan, Poghos O. Vardevanyan

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Conference

Effect of millimeter range electromagnetic waves on erythrocyte suspension

Mariam A. Shahinyan, Marieta S. Mikaelyan, Anahit V. Nerkararyan

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Conference

Whole body extremely high frequency electromagnetic irradiation exposure effect on lipid peroxidation in rats

Poghosyan G.H., Mikaelyan M.S, Nerkararyan A.V., Vardevanyan P.H.

Conference

Effect of whole body extremely high frequency electromagnetic irradiation exposure on antioxidant enzymes activity in rats

Gayane H. Poghosyan, Poghos H. Vardevanyan, Marieta S. Mikaelyan, Anahit V. Nerkararyan

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Conference

Влияние ЭМИ КВЧ на активность процессов перекисного окисления и антиоксидантной активности крови крыс in vivo

Погосян Г.А., Неркарарян А.В., Микаелян М.С., Вардеванян П.О.

Conference

Влияние миллиметровых электромагнитных волн на буферную емкость плазмы крови крыс

Вардеванян П.О., Неркарарян А.В., Шагинян М.А., Микаелян М.С.

Conference

Изучение перекисного окисления липидов в эритроцитах крови крыс облученной ЭМИ КВЧ in vitro
Погосян Г.А., Вардеванян П.О., Неркарарян А.В., Микаелян М.С., Шагинян М.А.

Conference

Effect of millimeter range electromagnetic waves on some biophysical characteristics of human serum albumin
Mariam Shahinyan, Ara Antonyan, Marieta Mikaelyan, Poghos Vardevanyan

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Conference

Effect of millimeter range electromagnetic waves on some properties of erythrocytes
Marieta Mikaelyan, Mariam Shahinyan, Anahit Nerkararyan, Poghos Vardevanyan

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Conference

Influence of low-intensity millimeter waves on lipid peroxidation and antioxidant enzymes activity in male Wistar rats
Gayane H. Poghosyan, Marieta S. Mikaelyan, Anahit V. Nerkararyan

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Conference

ВЛИЯНИЕ ЭЛЕКТРОМАГНИТНЫХ ВОЛН МИЛЛИМЕТРОВОГО ДИАПАЗОНА НА ДНК И ДНКЛИГАНД КОМПЛЕКСЫ В ВОДНО-СОЛЕВОМ РАСТВОРЕ
Антонян А.П., Шагинян М.А., Микаелян М.С., Вардеванян П.О.

Conference

Comparison of methylene blue interaction with human serum albumin and DNA
Shahinyan M.A., Mikaelyan M.S., Vardevanyan P.O.

Conference

Study of human serum albumin interaction with some ligands
P. Vardevanyan, Y. Mamasakhlisov, M. Shahinyan, M. Mikaelyan, N. Petrosyan

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Conference

Исследование связывания метиленового фиолетового с сывороточным альбумином человека
Погосян Г.А., Шагинян М.А., Микаелян М.С., Антонян А.П.

Conference

Влияние миллиметровых электромагнитных волн на перекисное окисление липидов и хемилюминесценцию мембран эритроцитов крови человека in vitro
Вардеванян П.О., Погосян Г.А., Микаелян М.С.

Conference

EPIGENETIC EVENTS IN WHEAT SEEDLINGS NUCLEI ABIOTIC STRESS RESPONSES
Minasbekyan L.A., Mikaelyan M.S., Avagyan I.A.

Conference

ИССЛЕДОВАНИЕ СПЕКТРАЛЬНЫХ ХАРАКТЕРИСТИК БЫЧЬЕГО СЫВОРОТОЧНОГО АЛЬБУМИНА ПОД ВЛИЯНИЕМ ЭЛЕКТРОМАГНИТНЫХ ВОЛН МИЛЛИМЕТРОВОГО ДИАПАЗОНА

Григорян С.В., Шагинян М.А., Микаелян М.С., Парсаданян М.А., Вардеванян П.О.