

# Mariam Ashot Shahinyan

## Faculty of Biology

Chair of Biophysics  
Associate professor

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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	2023
Degree name	Associate professor
Specialty	Biological sciences

Institution	Yerevan State University
Date	2012
Degree name	Candidate
Specialty	Biological sciences
Scientific Supervisor	Prof. Vardevanyan P.O.
Research Topic	The investigation of in vitro and in vivo effect of millimeter waves on some biosystems

## Language skills

English Русский Հայերեն

## Work experience

Institution	Yerevan State University
Period of time	2023 till now
Rank/degree	Associate Professor



## Scientific interests

- Effect of millimeter electromagnetic waves on biosystems, being on different levels of organization



## Publications

### Article

**Analysis of the formation and development prospects of psychophysiology in Armenia**  
Shahinyan M.A., Lokyan A.B.

Արդի հոգեբանություն 2023 58-67

### Article

**ВЗАИМОДЕЙСТВИЕ СЫВОРОТОЧНОГО АЛЬБУМИНА ЧЕЛОВЕКА С МЕТИЛОВЫМ  
ФИОЛЕТОВЫМ ПОД ВОЗДЕЙСТВИЕМ ЭЛЕКТРОМАГНИТНЫХ ВОЛН МИЛЛИМЕТРОВОГО  
ДИАПАЗОНА**

П.О. ВАРДЕВАНЯН, М.А. ШАГИНЯН, М.А. ПАРСАДАНЯН, С.В. ГРИГОРЯН, В.П. КАЛАНТАРЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2023  
268-276

### Article

**Human Serum Albumin Interaction with Methyl Violet under the Influence of Millimeter-Range  
Electromagnetic Waves**

P.O. Vardevanyan, M.A. Shahinyan, M.A. Parsadanyan, S.V. Grigoryan, V.P. Kalantaryan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 198-203

### 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

**Study of complexation of single-stranded poly(rA) and poly(rU) with methylene blue**  
Poghos O. Vardevanyan, Ara P. Antonyan, Zvart H. Movsisyan, Marine A. Parsadanyan,

Mariam A. Shahinyan, Karine R. Grigoryan, Hasmik A. Shilajyan

Journal of Biomolecular Structure and Dynamics 2023 15320-15327

### 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

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*Article*

**Study of complexes of Hoechst 33258 with poly(rA)-poly(rU) depending on various ionic strengths in the water-saline solution**

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

Journal of Biomolecular Structure and Dynamics 2022 1182-1188

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*Article*

**Study of interaction of methylene blue with DNA and albumin**

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

Nara H. Petrosyan

Journal of Biomolecular Structure and Dynamics 2022 7779-7785

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*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

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*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

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*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

Proceedings of the YSU B: Chemical and Biological Sciences 2022 56-62

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*Article*

**ИССЛЕДОВАНИЕ ВЛИЯНИЯ ММ ЭМВ НА КОМПЛЕКСООБРАЗОВАНИЕ HOECHST 33258 С БИОМАКРОМОЛЕКУЛАМИ**

Варdevanyan P.O., Шагинян М.А., Микаелян М.С., Григорян С.В.

Актуальные вопросы биологической физики и химии 2022 40-44

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*Article*

**Spectroscopic Study of Protein Complexes with Low-Molecular Compounds**

P.O. Vardevanyan, M.A. Shahinyan, N.H. Petrosyan, Y.Sh. Mamasakhlisov

Journal of Contemporary Physics (Armenian Academy of Sciences) 2021 60-64

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*Article*

**STUDY OF INTERACTION OF HOECHST 33258 WITH DNA AND HUMAN SERUM ALBUMIN UNDER THE INFLUENCE OF MILLIMETER RANGE ELECTROMAGNETIC WAVES**

*Article*

**BINDING PECULIARITIES OF POLY(rA)-POLY(rU) WITH MINOR GROOVE LIGAND HOECHST 33258**  
M.A. Parsadanyan, M.A. Shahinyan, Z.H. Movsisyan, A.P. Antonyan

Proceedings of the YSU B: Chemical and Biological Sciences 2021 144-150

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*Article*

**ABSORPTION AND FLUORESCENCE SPECTRA OF THE COMPLEXES OF METHYLENE BLUE AND ACRIDINE ORANGE WITH POLY(rA)-POLY(rU)**

M.A. SHAHINYAN, Z.H. MOVSISYAN, G.G. HOVHANNISYAN, P.H. VARDEVANYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2021 151-157

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*Article*

**ИЗМЕНЕНИЕ ВЫХОДНОГО СИГНАЛА ДНК-БИОСЕНСОРА, ИНДУЦИРОВАННОГО АДСОРБЦИЕЙ ЛИГАНДОВ НА ДУПЛЕКСЫ ДНК В ФЛУКТУИРУЮЩЕЙ СРЕДЕ**

В.Б. Аракелян, А.П. Антонян, М.А. Парсаданян, М.А. Шагинян, П.О. Вардевян

Биофизика (Biophysics) 2020 670-675

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*Article*

**Spectroscopic study of interaction of various GCcontent DNA with Hoechst 33258 depending on Na<sup>+</sup> concentration**

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

Armen T. Karapetyan

Journal of Biomolecular Structure and Dynamics 2020 1-6

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*Article*

**STUDY OF METHYLENE BLUE INTERACTION WITH SYNTHETIC POLYNUCLEOTIDE POLY(rA)-POLY(rU)**

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

Proceedings of the YSU B: Chemical and Biological Sciences 2020 112-117

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*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

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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.

Proceedings of the YSU B: Chemical and Biological Sciences 2020 209-215

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*Article*

**Fluorescence change of human serum albumin induced by methyl violet.**

Shahinyan M.A., Petrosyan N.H., Antonyan A.P.

Proceedings of the YSU B: Chemical and Biological Sciences 2020 261-264

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*Article*

**Comparison of interaction of methyl violet and methylene blue with human serum albumin.**

Antonyan A.P., Shahinyan M.A., Petrosyan N.H., Vardevanyan P.O.

Biological Journal of Armenia 2020 61-66

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*Article*

**STUDY OF THE JOINT EFFECT OF MILLIMETER RANGE ELECTROMAGNETIC IRRADIATION AND CADMIUM IONS ON MALONIC DIALDEHYDE CONCENTRATION AND CATALASE ACTIVITY IN WHEAT SEEDLING CELLS**

Zh.H. Mukhaelyan, M.A. Shahinyan, G.H. Poghosyan

Proceedings of the YSU B: Chemical and Biological Sciences 2019 18-22

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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

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*Article*

**Study of the influence of the ionic strength on complex-formation of ethidium bromide with poly(rA)-poly(rU)**

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

Journal of Biomolecular Structure and Dynamics 2019 1-7

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*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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*Manual*

**ԿԵՆՍԱՖԻԳԻԼԱՅԻ լաբորատոր աշխատանքների ձեռնարկ: Մաս 2 (Ուսումնամեթոդական ձեռնարկ)**  
Պ.Հ. Վարդեվանյան, Ա.Վ. Ներկարարյան, Մ.Ա. Շահինյան, Ա.Ա. Միքայելյան

2019 146

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*Article*

**EFFECT OF MILLIMETER ELECTROMAGNETIC WAVES ON BUFFER CAPACITY OF ALBUMIN**

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

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

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*Article*

**ВЛИЯНИЕ НЕТЕПЛОВОГО МИЛЛИМЕТРОВОГО ЭЛЕКТРОМАГНИТНОГО ИЗЛУЧЕНИЯ НА ТЕРМОСТАБИЛЬНОСТЬ ДНК ОПУХОЛИ САРКОМЫ 45**

Ա.Ա. Տածոսյան, Լ.Ն. Պետրօսյան, Մ.Ա. Շագինյան, Գ.Լ. Կանարյան

Биологический журнал Армении 2018 90-94

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*Article*

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

*Article*

**Спектрофотометрическое определение термодинамических параметров связывания доксорубицина и нетропсина с нуклеиновыми кислотами**  
С.Н. Акопян, Р.С. Казарян, М.А. Шагинян, С.А. Саркисян, Ю.С. Бабаян

Биологический журнал Армении 2018 50-56

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*Article*

**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  
Biophysical Reviews and Letters 2017 11-17  
<http://www.worldscientific.com/worldscinet/brl>

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*Article*

**Interaction of poly(I) with ethidium bromide**  
S.N. Hakobyan, R.S. Ghazaryan, M.A. Shahinyan

Proceedings of the YSU B: Chemical and Biological Sciences 2017 38-43  
<http://www.ysu.am/science/hy/journals>

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*Article*

**Calculation of central moments of differential melting curve of DNA molecule**  
R.S. Ghazaryan, S.N. Hakobyan, M.A. Shahinyan

Proceedings of the YSU. Physical and Mathematical Sciences 2017 187-192  
<http://www.ysu.am/science/en/journals>

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*Article*

**ОПРЕДЕЛЕНИЕ КОНСТАНТЫ СВЯЗЫВАНИЯ ЛИГАНДОВ С НУКЛЕИНОВЫМИ КИСЛОТАМИ ПРИ СЛАБОМ СВЯЗЫВАНИИ**

С.Н. АКОПЯН, М.А. ШАГИНЯН, Ю.С. БАБАЯН

Biological Journal of Armenia 2017 6-12  
<http://biology.asj-oa.am/view/year/2017.html>

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*Article*

**Thermostability of DNA Complexes with Mitoxantrone at Small Fillings**  
Yuri S. Babayan, Sergey N. Hakobyan, Rusanna S. Ghazaryan, Mariam A. Shahinyan

Biophysical Reviews and Letters 2017 141-149  
<https://www.worldscientific.com/doi/abs/10.1142/S1793048017500072>

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*Article*

**Interaction of Antitumor Agent Mitoxantrone with Double Helical Synthetic Polyribonucleotides Poly(G)•Poly(C) and Poly(I)•Poly(C)**  
Yuri S. Babayan, Sergey N. Hakobyan, Rusanna S. Ghazaryan, Mariam A. Shahinyan

Biophysical Reviews and Letters 2017 165-176  
<https://www.worldscientific.com/doi/abs/10.1142/S1793048017500096>

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*Article*

**SPECTRAL STUDY OF MITOXANTRONE WATER-SALINE SOLUTIONS**

*Article*

**Peculiarities of interaction of synthetic polyribonucleotide poly(rA)-poly(rU) with some intercalators**

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

Victoria G. Sahakyan

Journal of Biomolecular Structure and Dynamics 2017 1-7

<https://www.tandfonline.com/doi/abs/10.1080/07391102.2017.1402708>

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*Manual*

**Ոչ իոնիզացնող էլեկտրամագնիսական ալիքների ազդեցությունը կենսահամակարգերի վրա**  
Ա.Թ. Կարպատյան, Ս.Ա. Բաջինյան, Մ.Հ. Մալաքյան, Ս.Ա. Շահինյան, Պ.Հ. Վարդեվանյան

2017 172

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*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

[http://elibrary.ru/title\\_about.asp?id=7318](http://elibrary.ru/title_about.asp?id=7318)

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*Article*

**Влияние рентгеновского облучения на структуры ДНК дрожжей *C.guilliermondii* НП-4**  
С.В.Марутян, Л.А.Навасардян, Бадалян Г.Г., М.А. Шагинян

Химия и химическая технология 2016 90-94

[http://elibrary.ru/title\\_about.asp?id=50556](http://elibrary.ru/title_about.asp?id=50556)

---

*Article*

**Wheat Seedlings Growth and Antioxidant System Activity Changes as Responses to Extremely High Frequency Electromagnetic Irradiation**

Zhanna H. Mukhaelyan, Mariam A. Shahinyan, Gayane H. Poghosyan, P.O. Vardevanyan

American Journal of Plant Biology 2016 1-10

<http://ivyunion.org/index.php/ajplantbio/about>

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*Article*

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

P.O. Vardevanyan, A.P. Antoneyan, A.V. Nerkararyan, M.A. Parsadanyan, M.A. Shahinyan, M.R. Darbinyan,

M.S. Mikaelyan

Armenian Journal of Physics 2016 106-109

<http://ajp.asj-oa.am/>

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*Article*

**Thermostability of the Mitoxantrone - DNA Complexes Irradiated by Non-Thermal Millimeter Electromagnetic Waves**

A.T. Karapetyan, Yu.S. Babayan, M.A. Torosyan, M.A. Shahinyan

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*Article*

**Stabilities of Irradiated DNA Complexes from Sarcoma 45 Tumors with Mitoxantrone at Small Fillings**

Sergey Hakobyan, Mariam Shahinyan, Yuri Babayan

Biophysical Reviews and Letters 2016 139-147

<http://www.worldscientific.com/worldscinet/brl>

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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

<http://www.springer.com/physics/atomic,+molecular,+optical+%26+plasma+physics/j...>

---

*Article*

**Behavior of ethidium bromide-Hoechst 33258-DNA and ethidium bromide-methylene blue-DNA triple systems by means of UV melting.**

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

Gayane A. Melkonyan

International Journal of Spectroscopy 2015 1-5

<http://www.hindawi.com/journals/ijis/>

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*Article*

**Mitoxantrone interaction with poly(G).**

A.T. Karapetyan, Yu.S. Babayan, M.A. Torosyan, M.A. Shahinyan

Proceedings of the YSU. Physical and Mathematical Sciences 2015 49-54

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

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*Article*

**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

<http://revista.rebibio.net/>

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*Article*

**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

<http://www.worldscientific.com/worldscinet/brl>

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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

*Article*

**Determination of the isosbestic point in the absorption spectra of DNA-ethidium bromide complexes**

P.O. Vardevanyan, V.L. Elbakyan, M.A. Shahinyan, Minasyants M.V., Parsadanyan M.A., Sahahakyan N.S.

Journal of Applied Spectroscopy 2015 1060-1063

<http://www.springer.com/physics/atomic,+molecular,+optical+%26+plasma+physics/j...>

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*Article*

**Взаимодействие доксорубицина с двусpirальными нуклеиновыми кислотами, облученными нетепловыми миллиметровыми волнами**

П.О. Вардевян, Р.С. Казарян, М.А. Шагинян, М.В. Минасянц, С.Н. Акопян

Биомедицинская радиоэлектроника 2014 51-55

[http://elibrary.ru/title\\_about.asp?id=25238](http://elibrary.ru/title_about.asp?id=25238)

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*Conference*

**Thermostability of irradiated DNA complexes with antitumor compound mitoxantrone**

A.T. Karapetian, Y.S. Babayan, M.A. Shahinyan

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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, Maret Mikaelyan

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*Conference*

**Влияние электромагнитного излучения миллиметрового диапазона на конформационные свойства сывороточного альбумина человека**

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

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*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*

**Влияние миллиметровых электромагнитных волн на буферную емкость плазмы крови крыс**

Вардеванян П.О., Неркаарян 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., Неркаарян 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

Conference

**Effect of millimeter range electromagnetic waves on some properties of erythrocytes**

Marieta Mikaelyan, Mariam Shahinyan, Anahit Nerkararyan, Poghos Vardevanyan

Conference

**Comparative study of binding of some intercalating compounds with DNA.**

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

Victoria G. Sahakyan

Conference

**Interaction of ethidium bromide and mitoxantrone with double-stranded poly(rA)-poly(rU).**

Armen T. Karapetyan, Margarita A. Torosyan, Mariam A. Shahinyan

Conference

**Joint effect of growth stimulator of plant C-2 and EMI EHF on peroxidase activity of wheat seedlings**

Minasbekyan L.A., Nerkararyan A.V., Shahinyan M.A.

Conference

**ВЛИЯНИЕ АДСОРБЦИИ ЛИГАНДОВ НА СТАТИСТИЧЕСКИЕ ХАРАКТЕРИСТИКИ ВЫХОДНОГО СИГНАЛА ДНК-БИОСЕНСОРА**

Аракелян В.Б., Антонян А.П., Парсаданян М.А., Шагинян М.А., Вардеванян П.О.

Conference

**ИЗУЧЕНИЕ КОМПЛЕКСОВ ДНК С ЛИГАНДАМИ РАЗЛИЧНОЙ ПРИРОДЫ**

Вардеванян П.О., Парсаданян М.А., Антонян А.П., Шагинян М.А.

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.

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**Study of the influence of the ionic strength on complex-formation of ethidium bromide with DNA and RNA**

A.Antonyan, M.Parsadanyan, M.Shahinyan, P.Vardevanyan

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**Interaction of Double Stranded Nucleic Acids with Different Ligands**

Vardevanyan P., Parsadanyan M., Antonyan A., Shaninyan M.

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*Conference*

**Thermodynamic Analysis of Hoechst 33258 Interaction with Poly(rA)-Poly(rU)**

Parsadanyan M., Antonyan A., Shahinyan M., Vardevanyan P.

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**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.

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