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Thermodynamic Parameters of Binding of Small Molecules to DNA Irradiated by Low-Intensity Millimeter Electromagnetic Waves [Термодинамические параметры связывания малых молекул с ДНК, облученной низкоинтенсивными миллиметровыми электромагнитными волнами]

V. P. Kalantaryan, R. S. Ghazaryan, Yu. S. Babayan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2024 228–232

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

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

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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

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The Effect of Modulated Millimeter Electromagnetic Waves of Non-Thermal Intensity on the Physical Properties of Aqueous Solutions

V.P. Kalantaryan, L.R. Sogomonyan, R.S. Ghazaryan, Yu.S. Babayan

Armenian Journal of Physics 2023 62-65

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Violation of molecular structure of intracellular water as a possible cause of carcinogenesis and its suppression by microwave radiation(hypothesis)

Vitali Kalantaryan, Radik Martirosyan, Yuri Babayan, Voldemar Petrosyan

Computational and Structural Biotechnology Journal 2023 3437-3442

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

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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

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Influence of Low-Intensity Millimeter Electromagnetic Waves on the Viscosity and Density of Water-Salt Solutions

R. S. Ghazaryan, V. P. Kalantaryan, Yu. S. Babayan, A. A. Tadevosyan

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On the Possibility of Using Non-Ionizing Electromagnetic Radiation (Millimeter Waves) in Oncology

Ruzanna Khazaryan, Vitali P. Kalantaryan, Radik Martirosyan, Yura Babayan

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Growth properties and hydrogen yield in green microalga *Parachlorella kessleri*: Effects of low-intensity electromagnetic irradiation at the frequencies of 51.8 GHz and 53.0 GHz

Jemma Manoyan, Lilit Gabrielyan, Vitaly Kalantaryan, Armen Trchounian

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

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Effect of weak electromagnetic waves on thermal properties of biomacromolecule water solutions

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Effect of Non-Thermal Millimeter Electromagnetic Radiation on Thermodynamic Parameters of the Binding of Ligands with Nucleic Acids

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Interaction of netropsin with double-stranded nucleic acids irradiated with nonionizing athermal millimeter electromagnetic waves.

Yu.S. Babayan, V.P. Kalantaryan, S.H. Hakobyan, R.S. Ghazaryan

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Interaction of Anticancer drug Doxorubicin with Tumor DNA Irradiated by Nonionizing Millimeter Electromagnetic Waves

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The Changes of the Cellular Indicators of Leucopoiesis in Irradiated Animals under Hypomotile Conditions

Vitali Kalantaryan, Tsovinar Adamyan, Emma Gevorkyan, Nona Adamyan, Tigran Hayrapetyan

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CHANGES IN THE F0F1-ATPASE ACTIVITY OF IRRADIATED LACTOBACILLUS ACIDOPHILUS IN THE PRESENCE OF CEFTAZIDIME AT LOW pH

D.R.Soghomonyan, V.P. Kalantaryan, A.H. Trchounian

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Статья

Воздействие низкоэнергетического миллиметрового электромагнитного излучения на стабильность молекул ДНК в растворе

Ю.С. Бабаян, А.Ш. Маргарян, В.П. Калантарян, Р.С. Казарян, М.А. Парсаданян, П.О. Вардеванян

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Некоторые физико-химические свойства ДНК, облученной низкоэнергетическими миллиметровыми когерентными электромагнитными волнами

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The low power electromagnetic millimeter waves influence on the cellular indicators of leucopoiesis

Vitali Kalantaryan, Radik Martirosyan, Tsovinar Adamyan, Emma Gevorkyan

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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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Thermostability of the Mitoxantrone-tumor DNA complexes irradiated by low power electromagnetic waves

Vitali Kalantaryan, Radik Martirosyan, Sergey Hakobyan, Ruzanna Khazaryan

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Interaction of netropsin with double-stranded nucleic acids irradiated with non ionizing athermal millimeter electromagnetic waves

Kalantaryan V., Martirosyan R., Babayan Y., Hakobyan S.

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What is the primary target of the action millimeter waves on biological objects?

Vitali Kalantaryan, Radik Martirosyan, Yura Babayan, Hamlet Badalyan

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Thermostability of the Mitoxantrone-tumor DNA complexes irradiated by low power electromagnetic waves

V.P. Kalantaryan, R.M. Martirosyan, S.N. Hakobyan, R.S. Khazaryan

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Influence of nonionizing millimeter electromagnetic radiation on tumor and healthy DNA

Vitali Kalantaryan, Radik Martirosyan, Yura Babayan, Pogos Vardevanyan

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Non-ionizing millimeter electromagnetic waves increase thermodynamic parameters of the binding of anticancer drugs mitoxantrone and doxorubicin with DNA

Vitali Kalantaryan, Ruzanna Ghazaryan, Sergey Hakobyan, Yura Babayan

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Changes in some metabolic processes of yeasts *Candida guilliermondii* NP-4 under influence of microwaves with a frequency of 51.8GHz

Marutyan S.V., Petrosyan G.A., Karapetyan H.M., Marutyan S.A., Khachatryan L.D., Kalantaryan V.P.,

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Influence of X-irradiation on the activity of ATPase and enzymes of antioxidant system in yeasts *Candida guilliermondii* NP-4

S. Marutyan, A. Muradyan, H. Karapetyan, V. Khalantaryan, S. Marutyan, L. Khachatryan

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ROYAL JELLY AS A MEANS OF REGULATING PROCESSES DISTURBED BY EXPOSED MILLIMETER WAVES

Marutyan S.A., Karapetyan H.M., Muradyan A.R., Khachatryan L.D, Kalantaryan V.P., Marutyan S.V.

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Effect of Nanoparticles on Erythrocyte Membranes at Irradiation

N.H. Karapetyan, G.V. Ananyan, R.S. Ghazaryan, T.M. Jomardyan, V.G. Barkhudaryan, V. Kalantaryan
