

Կենսաբանության գիտահետազոտական ինստիտուտ
Ընդհանուր և մոլեկուլային գենետիկայի լաբորատորիա
Ավագ գիտական աշխատող

🌐 Լեզուների իմացություն

Հայերեն English Русский

📖 Հրատարակումներ

Հոդված

Enhancing Chemical-Induced Human Carcinogenic Risk Evaluation through Advanced AI Technologies

Nelly Babayan, Helga Stopper, Lusine Khondkaryan, Ani Tevosyan, Gohar Tadevosyan, Lilit Apresyan, Lusine Adunts, Zaven Navoyan
Proceedings MDPI 2024 12

Հոդված

DNA DAMAGE INDUCED BY ULTRASHORT PULSED ELECTRON BEAM IRRADIATION IN HUMAN CANCER AND NORMAL CELLS

Alisa Manukyan, Nelly Babayan, Lusine Khondkaryan, Ruzanna Grigoryan, Natalya Sarkisyan, Tigran Harutyunyan, Bagrat Grigoryan, Rouben Aroutiounian
ARMENIAN MEETING Climate Changes: Adaptation Yerevan, March 27-28, 2023 ABSTRACTS PAPERS BY YOUNG SCIENTISTS
2023 11-14

Հոդված

Datasets Construction and Development of QSAR Models for Predicting Micronucleus In Vitro and In Vivo Assay Outcomes

Lusine Khondkaryan, Ani Tevosyan, Hayk Navasardyan, Hrant Khachatryan, Gohar Tadevosyan, Lilit Apresyan, Gayane Chilingaryan, Zaven Navoyan, Helga Stopper, Nelly Babayan
Toxics 2023 785

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Screening of phytochemicals, toxicities, and activities of three Dillenia species

Pornnarong Siripiyasing, Kittiya Silawong, Tikumporn Thooptianrat, Runglawan Sudmoon, Nelly Babayan, Lusine Khondkaryan, Lilit Apresyan, Tawatchai Tanee, Arunrat Chaveerach
Journal of Herbmед Pharmacology 2022 339-347

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Incidence and Risk Factors of Acute Leukemias in Armenia: A Population-Based Study

Lusine Khondkaryan, Diana Andreevyan, Yervand Hakobyan, Ezgi Eylül Bankoglu, Rouben Aroutiounian, Helga Stopper, Nelly Babayan
Asian Pacific journal of cancer prevention 2022 3869-3875

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Improving VAE based molecular representations for compound property prediction

Ani Tevosyan, Lusine Khondkaryan, Hrant Khachatryan, Gohar Tadevosyan, Lilit Apresyan,

Nelly Babayan, Helga Stopper, Zaven Navoyan

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Increased Yield of Residual γ H2AX Foci in p53-Deficient Human Lung Carcinoma Cells

Exposed to Subpicosecond Beams of Accelerated Electrons

N. Yu. Vorobyeva, N. S. Babayan, B. A. Grigoryan, A. A. Sargsyan, L. G. Khondkaryan, L. S. Apresyan,

A. K. Chigasova, E. I. Yashkina, D. V. Guryev, S. M. Rodneva, A. A. Tsishnatti, Yu. A. Fedotov,

R. M. Arutyunyan, A. N. Osipov

БЮЛЛЕТЕНЬ ЭКСПЕРИМЕНТАЛЬНОЙ БИОЛОГИИ И МЕДИЦИНЫ (BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE)

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Helix pomatia albumen gland water soluble protein extract as powerful antiaging agent

Nelly Babayan, Gohar Tsakanova, Violetta Ayvazyan, Elina Arakelova, Anna Ayvazyan, Stepan Tatikyan,

Laura Djavadovna, Ruzanna Grigoryan, Natalya Sargsyan, ArsenArakelyan

Experimental Gerontology 2021 111244

Հոդված

КОЛОНИЕОБРАЗУЮЩАЯ СПОСОБНОСТЬ И ОСТАТОЧНЫЕ ФОКУСЫ БЕЛКОВ РЕПАРАЦИИ ДНК В ФИБРОБЛАСТАХ ЛЁГКИХ ЧЕЛОВЕКА, ОБЛУЧЁННЫХ СУБПИКОСЕКУНДНЫМИ ПУЧКАМИ УСКОРЕННЫХ ЭЛЕКТРОНОВ

Н.С.Бабаян, Д.В.Гурьев, Н.Ю.Воробьева, Б.А.Григорян, Г.Л.Тадевосян, Л.С.Апресян, А.К.Чигасова,

Е.И.Яшкина, С.М.Роднева, А.А.Цишнатти, Ю.А.Федотов, Н.К.Саркисян, А.Т.Манукян, Р.М.Арутюнян,

А.Н.Осипов

БЮЛЛЕТЕНЬ ЭКСПЕРИМЕНТАЛЬНОЙ БИОЛОГИИ И МЕДИЦИНЫ (BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE)

2021 30-33

Հոդված

Low Repair Capacity of DNA Double-Strand Breaks Induced by Laser-Driven Ultrashort Electron Beams in Cancer Cells

Nelly Babayan, Natalia Vorobyeva, Bagrat Grigoryan, Anna Grekhova, Margarita Pustovalova,

Sofya Rodneva, Yuriy Fedotov, Gohar Tsakanova, Rouben Aroutiounian, Andreyan Osipov

International Journal of Molecular Sciences 2020 9488

Հոդված

Genotoxic potential of selected medicinal plant extracts in human whole blood cultures

Babayan Nelly, Harutyunyan Karina, Balayan Karine, Tadevosyan Gohar, Hayrapetyan Manush,

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Հոդված

Ochratoxin A induces global DNA hypomethylation and oxidative stress in neuronal cells in vitro

Nelly Babayan, Gohar Tadevosyan, Lusine Khondkaryan, Ruzanna Grigoryan, Natalya Sarkisyan,
Rouben Haroutiounian, Helga Stopper
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Laser Driven Ultrashort Pulsed Electron Beam Radiation at Doses of 0.5 and 1.0 Gy Induces Apoptosis in Human Fibroblasts

Nelly Babayan, Bagrat Grigoryan, Lusine Khondkaryan, Gohar Tadevosyan, Natalya Sarkisyan,
Ruzanna Grigoryan, Lilit Apresyan, Rouben Aroutiounian, Natalia Vorobyeva, Margarita Pustovalova,
Anna Grekhova, Andreyan N. Osipov

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Հոդված

Радиозащитный эффект креатина при повреждении ДНК моноклеарных клеток периферической крови и адаптационные возможности креатин-креатинкиназной системы мозга и печени крыс

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Gender differences in DNA damage/repair after laser-generated ultrafast electron beam irradiation

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Screening of phytochemicals and toxicity of medicinal plants, Dillenia species, reveals potential natural product resources

Tikumporn Thooptianrat, Arunrat Chaveerach, Runglawan Sudmoon, Tawatchai Tanee, Thomas Liehr,

Nelli Babayan

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Dose-rate effect of ultrashort electron beam radiation on DNA damage and repair in vitro

Nelly Babayan, Galina Hovhannisyanyan, Bagrat Grigoryan, Ruzanna Grigoryan, Natalia Sarkisyan,

Gohar Tsakanova, Samvel Haroutiounian, Rouben Aroutiounian

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Comparative analysis of individual chromosome involvement in micronuclei induced by mitomycin C and bleomycin in human leukocytes.

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Synthesis, characterization and toxicity studies of pyridinecarboxaldehydes and L-tryptophan derived Schiff bases and corresponding copper (II) complexes

Malakyan M, Babayan N, Grigoryan R, Sarkisyan N, Tonoyan V, Tadevosyan D, Matosyan V, Aroutiounian R, Arakelyan A

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Cell viability and DNA damage in MRC5 and HeLa cell lines after histone H1 knockout by CRISPR-Cas9 genome editing technology

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Influence of aflatoxin B1 on copy number variants in human leukocytes in vitro.

Harutyunyan T, Hovhannesian G, Babayan N, Othman MA, Liehr T, Aroutiounian R

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Գիտաժողովի նյութ

PROTECTIVE EFFECTS OF SCHIFF BASE CYCLIC AMINO ACID DERIVATIVES AGAINST MYCOTOXINS GENO- AND CYTOTOXICITY

Tigran HARUTYUNYAN, Galina HOVHANNISYAN, Nelli BABAYAN, Thomas LIEHR, Arsen ARAKELYAN, Rouben AROUTIOUNIAN, Margarita MALAKYAN

Գիտաժողովի նյութ

New doxorubicin nanosize composites' anticancer activity in vitro and in vivo

Babayan N, Apresyan L, Harutyunyan T, Grigoryan S, Arakelova E

Գիտաժողովի նյութ

Photodynamic activity and structure/activity relationship of new porphyrins in vitro as potential photosensitizers for application in photodynamic therapy of cancer

Angela A. Sargsyan, Sona V. Galstyan, Elen A. Hakobyan, Diana H. Vardanyan, Areg Galstyan,

Lusine H. Khondkaryan, Nelli S. Babayan

Գիտաժողովի կյուբ

Genetic effects: DNA radiation damage and repair

R. Aroutiounian, G. Hovhannisyan, B. Grigoryan, G. Tsakanova, S. Haroutiunian, T. Harutyunyan,

N. Babayan

Գիտաժողովի կյուբ

Neurotoxicity and epigenetic effects of ochratoxin a in vitro

Nelly Babayan, Gohar Tadevosyan, Lusine Khondkaryan, Ruzanna Grigoryan, Natalya Sarkisyan,

Rouben Aroutiounian, Helga Stopper

Գիտաժողովի կյուբ

The genotoxic and cytotoxic effects of ochratoxin a and t-2 toxin in rats bone marrow and blood cells

Harutyunyan Tigran, Hovhannisyan Galina, Babayan Nelli, Arakelyan Arsen, Aroutiounian Rouben

Գիտաժողովի կյուբ

Оценка повреждений и репарации ДНК при облучении сверхкороткими импульсами ускоренных электронов.

Арутюнян Р.М., Оганесян Г.Г., Григорян Б.А., Цаканова Г.В., Арутюнян С.Г., Арутюнян Т.А.,

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Գիտաժողովի կյուբ

Кинетика репарации ДНК и эпигенетические изменения при облучении сверхкороткими импульсами ускоренных электронов

Арутюнян Р.М., Оганесян Г.Г., Григорян Б.А., Арутюнян Т.А., Бабаян Н.С.

Գիտաժողովի կյուբ

DNA double-strand break repair efficiency in cancer cells exposed to laser-driven ultrashort electron beams

Andreyan Osipov, Nelly Babayan, Natalia Vorobyeva, Bagrat Grigoryan, Anna Chigasova-Grekhova,

Margarita Pustovalova, Sofya Rodneva, Yuriy Fedotov, Gohar Tsakanova, Rouben Aroutiounian

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Biomedical applications of ultrafast beams: status and plans

Tsakanova G, Karalyan Z, Babayan N, Arakelova E, Ayvazyan V, Ayvazyan A, Tatikyan S, Grigoryan B

Գիտաժողովի կյուբ

Neuronal cell lines as a model to investigate ochratoxin a neurotoxicity

Babayan N, Grigoryan R, Sarkisyan N, Malakyan M, Stopper H, Aroutiounian R

Գիտաժողովի կյուբ

Genetic effects of ultrashort pulsed electron beam irradiation - 7 years of joint experience

Rouben Aroutiounian, Tigran Harutyunyan, Andreyan Osipov, Natalya Vorobyeva, Galina Hovhannisyan,

Anzhela Sargsyan, Bagrat Grigoryan, Samvel Haroutiunian, Thomas Liehr, Nelly Babayan

Գիտաժողովի կյուբ

Differences in DNA Damage and Repair in Human Cancer and Normal Cells after Ultrashort Pulsed Electron Beam Irradiation

Nelly Babayan
