

Anzhela Ashot Sargsyan

Faculty of Biology
Chair of Genetics and Cytology
Senior laboratory assistant

☎ 45-16
(060) 71-05-16

✉ angela.sargsyan@ysu.am



Education

Institution	Yerevan State University
Faculty	Faculty of Biology, Department of Genetics and Cytology
Date	2016 - 2020
Degree name	PhD student

Institution	Yerevan State University
Faculty	Faculty of Biology, Department of Genetics and Cytology
Date	2014 - 2016
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Biology
Date	2010 - 2014
Degree name	Bachelor

Language skills

Հայերեն English Русский

Work experience

Institution	Yerevan State University, Faculty of Biology, Research Institute of Biology, Laboratory of General and Molecular Genetics
Period of time	2024 till now
Rank/degree	Specialist of Laboratory

Institution	Yerevan State University, Faculty of Biology, Department of Genetics and Cytology
Period of time	2021 till now
Rank/degree	Lecturer

Institution	Yerevan State University, Faculty of Biology, Department of Genetics and Cytology
Period of time	2020 - 2023
Rank/degree	Head of Educational Laboratory

Institution	Yerevan State University, Faculty of Biology, Department of Genetics and Cytology
Period of time	2016 till now
Rank/degree	Senior Specialist of Laboratory

Scientific interests

- Genetics
 - Cell Biology
 - Molecular cytogenetics
 - Mutagenesis
 - Ecogenotoxicology
 - Genotoxicology and cytotoxicology
 - Epigenetics
-

Participation in international conferences and seminars

25/06/2023 - 30/06/2023	72nd Lindau Nobel Laureate Meeting Council for the Lindau Nobel Laureate Meetings Germany
27/03/2023 - 28/03/2023	Armenian meeting – 2023. Climate changes: adaptation A. Alikhanyan National Science Laboratory Armenia
04/07/2022 - 08/07/2022	The 3rd International Workshop on “Ultrafast Beams and Applications” "CANDLE" synchrotron research institute Armenia
05/10/2021 - 10/10/2021	Fifth International Conference, Dedicated to N. W. Timofeeff-Ressovsky and His Scientific School “Modern Problems of Genetics, Radiobiology, Radioecology, and Evolution” Nor Amberd International Conference Centre of the Yerevan Physics Institute Armenia
09/03/2021 - 11/03/2021	1st DNAQUA International Conference COST Action DNAqua-Net, Online France
11/04/2016 - 16/04/2016	“Nobel days in Yerevan: Be inspired and create” Yerevan State Medical University after Mkhitar Heratsi Armenia
23/06/2015 - 26/06/2015	III International Scientific Conference of Young Researchers "Armbiotechnology" Scientific and Production Center of NAS RA Armenia

16/06/2015 - "Science from the first hands. Epigenetic" Young scientist school
17/06/2015 Yerevan State University
Armenia

07/11/2022 - Business trip, Invited researcher
05/12/2022 Institute of Human Genetics
Germany

01/10/2019 - Business trip, Invited researcher
10/11/2019 Institute of Human Genetics
Germany

09/03/2018 - Business trip, Invited researcher
08/05/2018 Institute of Human Genetics
Germany

01/09/2017 - Business trip, Invited researcher
30/11/2017 Institute of Human Genetics
Germany

Publications

Article

EVALUATION OF GENOTOXIC EFFECTS IN COVID-19 PATIENTS AS A POTENTIAL MARKER OF VIRUS-HOST ADAPTATION

Tigran Harutyunyan, Anzhela Sargsyan, Nara Stepanyan, Galina Hovhannisyanyan, Rouben Aroutiounian
ARMENIAN MEETING Climate Changes: Adaptation Yerevan, March 27-28, 2023 ABSTRACTS PAPERS BY YOUNG SCIENTISTS
2023 8-10

Article

Increase in the Level of Doxorubicin-Induced DNA Damage in HeLa Cells with CRISPR/Cas9 Mediated HIST1H1B Gene Knockout

E. T. Kuchukyan, A. A. Sargsyan, T. A. Harutyunyan
Physics of Particles and Nuclei Letters 2022 287-288

Article

Application of land snail *Helix lucorum* for evaluation of genotoxicity of soil pollution

Anzhela Sargsyan, Galina Hovhannisyanyan, Anna Simonyan, Marine Arakelyan, Meri Arzumanyan, Rouben Aroutiounian
MUTATION RESEARCH - GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS 2022 503500

Article

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

Article

IDENTIFICATION OF CYTOGENETICALLY VISIBLE mtDNA IN INTERPHASE NUCLEI OF HUMAN BLOOD LYMPHOCYTES EXPOSED TO DOXORUBICIN

T. A. HARUTYUNYAN, G. G. HOVHANNISYAN, A. A. SARGSYAN, T. LIEHR, A. AL-RIKABI,

R. M. AROUTIOUNIAN

Proceedings of the YSU B: Chemical and Biological Sciences 2020 63-67

Article

Doxorubicin-induced translocation of mtDNA into the nuclear genome of human lymphocytes detected using a molecular-cytogenetic approach

Tigran Harutyunyan, Ahmed Al-Rikabi, Anzhela Sargsyan, Galina Hovhannisyana, Rouben Aroutiounian,

Thomas Liehr

International Journal of Molecular Sciences 2020 1-11

Article

Оценка повреждений ДНК с применением метода ДНК-комет в двух природных популяциях дождевых червей *Lumbricus terrestris*

A. A. Саргсян

Доклады НАН РА 2020 206-213

Article

Analysis of copy number variations induced by ultrashort electron beam radiation in human leukocytes in vitro

Tigran Harutyunyan, Galina Hovhannisyana, Anzhela Sargsyan, Bagrat Grigoryan, Ahmed H. Al-Rikabi,

Anja Weise, Thomas Liehr, Rouben Aroutiounian

Molecular Cytogenetics 2019 18 (1-6)

Article

Application of the comet assay, micronucleus test and global DNA methylation analysis in *Darevskia* lizards as a sentinel organism for genotoxic monitoring of soil pollution

Anzhela Sargsyan, Anna Simonyan, Galina Hovhannisyana, Marine Arakelyan, Rouben Aroutiounian

MUTATION RESEARCH - GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS 2019 117-124

Article

DNA damage and micronuclei in parthenogenetic and bisexual *Darevskia* rock lizards from the areas with different levels of soil pollution

Anna Simonyan, Galina Hovhannisyana, Anzhela Sargsyan, Marine Arakelyan, Seyran Minasyan,

Rouben Aroutiounian

Ecotoxicology and Environmental Safety 2018 13-18

Article

Application of Crayfish *Astacus leptodactylus* for the Analysis of Water Genotoxicity in the Lake Sevan Basin

A. E. Simonyan, A. A. Sargsyan, G. G. Hovhannisyana, N. S. Badalyan, S. H. Minasyan

JOURNAL OF WATER CHEMISTRY AND TECHNOLOGY 2018 367-369

Article

ԲԵՏԱՅԻՆԻ ՀԱՎԱՍՈՒՏԱԳԵԼԱՅԻՆ ՀԱՏԿՈՒԹՅՈՒՆՆԵՐԻ ԳԼԱՀԱՏՈՒՄԸ KCL - 22 ԲԶԻՋՆԵՐՈՒՄ ԴԼԹ - ԿՈՍԵՏ ՍԵԹՈՂՈՎ

Անժելա Սարգսյան, Աննա Սիմոնյան, Գալինա Հովհաննիսյան

ԵՊՀ ՈՒԳԸ գիտական հոդվածների ժողովածու 2017 137-141

Article

АНАЛИЗ ПОВРЕЖДЕНИЙ ДНК У ЯЩЕРИЦ DAREVSKIA RADDEI, ОБИТАЮЩИХ В ЗОНАХ С РАЗЛИЧНЫМ УРОВНЕМ ЗАГРЯЗНЕНИЯ ПОЧВ, МЕТОДОМ ДНК-КОМЕТ

А.Э. СИМОНЯН, А.Л. ГЕВОРКЯН, С.Г. МИНАСЯН, А.А. САРГСЯН, М.С. АРАКЕЛЯН

Հայաստանի կենսաբանական հանդես 2015 65-67

<http://www.flib.sci.am/eng/Biology/>

Conference

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

Conference

Assessment of aquatic genotoxicity of the Lake Sevan basin, Armenia using natural bioindicators

Anzhela Sargsyan, Anna Simonyan, Galina Hovhannisyana, Bardukh Gabrielyan, Rouben Aroutiounian

Conference

APPLICATION OF BIOINDICATORS FOR ASSESSMENT OF HEAVY METALS' GENETIC AND EPIGENETIC EFFECTS IN DIFFERENT REGIONS OF ARMENIA

Sargsyan A, Hovhannisyana G., Simonyan A., Arakelyan M., Minasyan S., Aroutiounian R.

Conference

DOXORUBICIN-INDUCED MTDNA INSERTIONS IN NUCLEAR GENOME OF HUMAN LYMPHOCYTES

Aroutiounian R, Hovhannisyana G, Sargsyan A, Al-Rikabi A, Liehr T, Harutyunyan T

Conference

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

Rouben Aroutiounian, Tigran Harutyunyan, Andrean Osipov, Natalya Vorobyeva, Galina Hovhannisyana,

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

Conference

ԳԵՆԵՏԻԿԱԿԱՆ ԱՆԿԱՅՈՒՆՈՒԹՅԱՆ ԿԵՆՍԱՍԱՐԿԵՐՆԵՐԻ ԿԻՐԱՌՈՒՄԸ ՄԻՋԻՆ ԵՎ ԾԱՆԻ ԸՆԹԱՑՔՈՎ

COVID-19 ՀԻՎԱՆԴՆԵՐԻ ԽՄԲԵՐՈՒՄ

Հարությունյան Ռ., Հովհաննիսյան Գ., Սարգսյան Ա., Ստեփանյան Ն., Ղուկասյան Լ., Առաքելյան Ա.,

Հարությունյան Տ.

Conference

GENOTOXICOLOGICAL AND MOLECULAR-GENETIC RESEARCH OF CORONAVIRUS IN ARMENIA

Tigran Harutyunyan, Anzhela Sargsyan, Nara Stepanyan, Galina Hovhannisyana, Lilit Ghoukasyan,

Arsen Arakelyan, Rouben Aroutiounian
