Edita Eduard Nadiryan

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Research Institute of Biology
Signal transduction and experimental pathology research group from
Junior Researcher
Faculty of Biology
Research Institute of Biology
Signal transduction and experimental pathology research group from
Junior Researcher
Faculty of Biology
Chair of Biochemistry, Microbiology, and Biotechnology
Lecturer on an hourly basis

Education

Institution	Yerevan State University
Faculty	Faculty of Biology, Chair of Biochemistry, Microbiology and Biotechnology
Date	2021 - 2023
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Biology, Chair of Biochemistry, Microbiology and Biotechnology
Date	2017 - 2021
Degree name	Bachelor

Language skills

Русский English

Work experience

Institution	Yerevan State University, Research Institute of Biology, Laboratory of Basic and Pathological Biochemistry
Period of time	2024 till now
Rank/degree	Junior Researcher

Institution	Yerevan State University, Research Institute of Biology, Laboratory of Basic and Pathological Biochemistry
Period of time	2022 - 2024
Rank/degree	Senior laboratory assistant

Institution	Yerevan State University, Chair of Biochemistry, Microbiology and Biotechnology
Period of time	2021 - 2024
Rank/degree	Senior laboratory assistant

Participation in international conferences and seminars

05/07/2025 - 09/07/2025	49th FEBS Congress Turkey
29/06/2024 - 03/07/2024	48th FEBS Congress – 'Mining biochemistry for human health and well-being' Italy
08/07/2023 - 12/07/2023	47th FEBS Congress, Together in bioscience for a better future France
12/06/2023 - 15/06/2023	EACR 2023 Congress: Innovative Cancer Science Italy
09/07/2022 - 14/07/2022	,The Biochemistry Global Summit (25th IUBMB Congress, the 46th FEBS Congress and the 15th PABMB Congress) Portugal

Publications

Article

Photodynamic activity of meso-substituted cationic pyridyl porphyrin Zn-TOEt4PyP and its non-covalent interaction product with folic acid

Lusine Mkrtchyan, Nikolay Avtandilyan, Anzhela Galstyan, Anna Zakoyan, Edita Nadiryan,

Rafayel Muradyan, Grigor Gyulkhandanyan, Lusine Danielyan, Torgom Seferyan

Indian Journal of Biochemistry and Biophysics 2026 pp. 596-605

https://or.niscpr.res.in/index.php/IJBB/article/view/27839

Article

Tissue remodeling during high-altitude pulmonary edema in rats: Biochemical and histomorphological analysis

Ruzanna A. Shushanyan, Hasmik M. Karapetyan, Edita E. Nadiryan, Nikolay V. Avtandilyan,

Anna V. Grigoryan, Anna F. Karapetyan

Tissue and Cell 2025 102727

Conference

Interconnection between hyperglycemia, cancer, and arginine metabolism: a unified therapeutic approach

E.Nadiryan, H.Javrushyan, N.Avtandilyan

2025 313 - 313

https://2025.febscongress.org/

Conference

Phytochemicals and Chemotherapy: Present and Future Strategy
Hayarpi Javrushyan, Edita Nadiryan, Nikolay Avtandilyan, Alina Maloyan

2025 7 - 7

https://www.santearmenieacademy.org/en/live-events/international-summit-in-immu...

Conference

Hypoxia-Linked Alterations in Arginine Metabolism and Oxidative Stress in the Bone Marrow during Breast Cancer Progression and Treatment
Hayarpi Javrushyan, Edita Nadiryan, Svetlana Hovhannisyan, Nikolay Avtandilyan

2025 6 - 6

https://www.ivb.ro/annual-conference-of-pathology

Conference

Modulating Bone Marrow Microenvironment in Breast Cancer: Impact of Combined Chemotherapy and Herbal Extracts
Edita Nadiryan, Gayane Petrosyan, Nikolay Avtandilyan, Hayarpi Javrushyan

2025 145-145

https://www.ysu.am/en/conference/869

Article

5-fluorouracil and Rumex obtusifolius extract combination trigger A549 cancer cell apoptosis: uncovering PI3K/Akt inhibition by in vitro and in silico approaches
Mikayel Ginovyan, Hayarpi Javrushyan, Svetlana Hovhannisyan, Edita Nadiryan, Gohar Sevoyan,

Tigran Harutyunyan, Smbat Gevorgyan, Zaruhi Karabekian, Alina Maloyan, Nikolay Avtandilyan

Scientific Reports 2024 1-16

Article

Royal Jelly–Mediated Silver Nanoparticles Show Promising Anticancer Effect on HeLa and A549 Cells Through Modulation of the VEGFa/PI3K/Akt/MMP-2 Pathway
Meri Kocharyan, Syuzan Marutyan, Edita Nadiryan, Mikayel Ginovyan, Hayarpi Javrushyan,

Seda Marutyan, Nikolay Avtandilyan

Applied Organometallic Chemistry 2024 1-11

Conference

Acute brain edema associated with the elevated levels of oxidative stress mediators and TNF-alpha in rats: biochemical and immunohistochemical assessment
R. Shushanyan, A. Grigoryan, E. Nadiryan, A. Karapetyan

2024 349-349

https://febs.onlinelibrary.wiley.com/toc/22115463/2024/14/S2

Conference

Enhanced anti-inflammatory and antiproliferative effects of Inula helenium herbal extract and arginase inhibitor in breast cancer in vivo study
E. Nadiryan, H. Javrushyan, N. Avtandilyan

2024 322-322

https://2024.febscongress.org/

Article

THE CYTOTOXIC PROPERTIES OF ALCHEMILLA SMIRNOVII EXTRACT ON THE HELA CANCER

CELLS VIA DOWNREGULATION OF ARGINASE ACTIVITY
S.M. Hovhannisyan, E.E. Nadiryan, M.V. Qocharyan, G.H. Petrosyan, G.P. Sevoyan, Z.I. Karabekyan, H.G. Javrushyan, M.M Ginovyan, N.V. Avtandilyan
ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2023 238-247

Article

REGULATORY EFFECTS OF RUMEX OBTUSIFOLIUS AND HYPERICUM ALPESTRE EXTRACTS ON THE QUANTITY OF IL-2 IN IN VITRO AND IN VIVO CANCER MODELS
E.E. Nadiryan, S.M. Hovhannisyan, M. V. Qocharyan, G.H. Petrosyan, H.G. Javrushyan, M.M. Ginovyan, N.V. Avtandilyan
ԵՊՀ գիտական տեղեկագիր. Քիմիա և կենսաբանություն: 2023 248-257

Conference

Anti-inflammatory and immunostimulatory effect of Hypericum alpestre combined with arginase and NOS inhibitors in the rat breast cancer model
H.Javrushyan, E.Nadiryan, G.Petrosyan, M.Ginovyan, A.Maloyan, N.Avtandilyan
2023 95 - 95
https://febs.onlinelibrary.wiley.com/doi/epdf/10.1002/2211-5463.13646

Conference

ANTI-CANCER PROPERTIES AND POTENTIAL MOLECULAR MECHANISMS OF COMBINATIONS OF HERBAL EXTRACTS AND CHEMOTHERAPEUTIC AGENTS
N. Avtandilyan, H. Javrushyan, H. Karapetyan, A. Grigoryan, E. Nadiryan, G. Sevoyan, M. Ginovyan, A. Maloyan
2023 353-353
https://febs.onlinelibrary.wiley.com/toc/18780261/2023/17/S1

Article

Antihyperglycemic activity of L-norvaline and L-arginine in high-fat diet and streptozotocin-treated male rats
Hayarpi Javrushyan, Edita Nadiryan, Anna Grigoryan, Nikolay Avtandilyan, Alina Maloyan
Experimental and Molecular Pathology 2022 104763

Article

EVALUATION OF THE ANTIOXIDANT ACTIVITY AND THEANTI-CANCER PROPERTIES OFALCHEMILLA SMIRNOVII JUZ. EXTRACTON THE HELA CANCER CELL LINE
S. Hovhannisyan, E. Nadiryan, M.Qocharyan, G. Sevoyan, M. Ginovyan, N. Avtandilyan
СТУДЕНЧЕСКАЯ ГОДИЧНАЯ НАУЧНАЯ КОНФЕРЕНЦИЯ ЯРОССИЙСКО-АРМЯНСКИЙ УНИВЕРСИТЕТА 2022
40-46

Conference

Upregulation of nitric oxide quantity by L-norvaline and L-arginine in high-fat diet and Streptozotocin-treated male rats
E. Nadiryan, H. Javrushyan, N. Avtandilyan, A. Maloyan
2022 142-142
https://2022congress.febs-iubmb-pabmb.org/