

# Anna Vladimir Grigoryan

## Faculty of Biology

Chair of Human and Animal Morphology and Physiology  
Assistant

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## Education

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Yerevan State University
<b>Date</b>	1999 - 2001
<b>Degree name</b>	Masters

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Faculty of Biology
<b>Date</b>	1995 - 1999
<b>Degree name</b>	Bachelor

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## Scientific Rank/degree

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<b>Institution</b>	NASRA Scientific center of zoology and hydro ecology
<b>Date</b>	2018
<b>Degree name</b>	Candidate
<b>Specialty</b>	Biological sciences
<b>Scientific Supervisor</b>	Jivanyan Karine A.
<b>Research Topic</b>	The study of the influence of the Hrazdan river pollution on morphofunctional features of some organs of the lake frog

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## Language skills

Русский English Français

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## Publications

*Article*

### **Registration of Fish Sanguinicolosis in the Republic of Armenia**

Anush Hakobyan, Karine Sukiasyan, Anna Karapetyan, Anna Grigoryan, Tamara Abgaryan,

Erik Nikoghosyan

Iranian Journal of Veterinary Medicine 2026 153-166

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*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

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*Article*

**Lipid peroxidation level and histological changes in rat liver after the cisplatin and dexamethasone separate and combined action**

Zhenya Yavroyan, Nune Hakobyan, Agapi Hovhannisyan, Anna Grigoryan, Anna Karapetyan,  
Tamara Abgaryan, Emil Gevorgyan

Indian Journal of Biochemistry & Biophysics 2025 480-489

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*Article*

**Histomorphological assessment of T-2 toxin, ochratoxin A, and aflatoxin B1-induced renal damage in a rat model**

Anna Grigoryan, Tamara Abgaryan, Ruzanna Shushanyan, Ruzanna Adamyan, Marieta Mkhitarian,  
Lyudmila Niazyan, Anna Karapetyan

Ukrainian Journal of Nephrology and Dialysis 2025 14-23

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*Article*

**Morphological abnormalities of peripheral blood cells among patients with COVID-19 disease**

Anna Karapetyan, Lyudmila Niazyan, Ruzanna Shushanyan, Tamara Abgaryan, Sevan Iritsyan,  
Tehmine Galechyan, Sargsyan Knarik, Anna Grigoryan

Heliyon 2024 e24527

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*Article*

**Hypericum alpestre extract exhibits in vitro and in vivo anticancer properties by regulating the cellular antioxidant system and metabolic pathway of L-arginine**

Mikayel Ginovyan, Hayarpi Javrushyan, Hasmik Karapetyan, Izabela Koss-Mikołajczyk,

Barbara Kusznierevicz, Anna Grigoryan, Alina Maloyan, Agnieszka Bartoszek, Nikolay Avtandilyan

Cell Biochemistry and Function 2024 1-21

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*Article*

**The role of oxidative stress and neuroinflammatory mediators in the pathogenesis of high-altitude cerebral edema in rats**

Ruzanna A. Shushanyan, Nikolay V. Avtandilyan, Anna V. Grigoryan, Anna F. Karapetyan

Respiratory Physiology and Neurobiology 2024 104286

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*Manual*

**Հյուսվածքաբանական եզրույթների հայերեն-անգլերեն-ռուսերեն-լատիներեն բառարան**

Ա. Կարապետյան, Ռ. Մխիթարյան, Ս. Միրզոյան, Ա. Գրիգորյան, Դ. Մխիթարյան

2024 232

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*Monograph*

**Հյուսվածքաբանական եզրույթների հայերեն-անգլերեն-ռուսերեն-լատիներեն բառարան**

Ա. Ֆ. Կարապետյան, Ռ. Ս. Մխիթարյան, Ա. Վ. Գրիգորյան, Ս. Գ. Միրզոյան, Դ. Հ. Մխիթարյան

2024 232

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*Article*

**Cisplatin and dexamethasone separate and combined effect on nephrotoxic processes in**

**female rats.**

Zhenya Yavroyan, Anna Grigoryan, Nune Hakobyan, Agapi Hovhannisyanyan, Tamara Abgaryan,

Anna Karapetyan, Emil Gevorgyan

Ukrainian Journal of Nephrology and Dialysis 2024 64-74

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*Article*

**Histological and cytochemical analysis of the brain under conditions of hypobaric hypoxia-induced oxygen deficiency in albino rats**

Ruzanna Shushanyan, Anna Grigoryan, Tamara Abgaryan, Anna Karapetyan

Acta Histochemica 2023 152114

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*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

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*Article*

**HYPOBARIC HYPOXIA CAUSES HISTOMORPHOLOGICAL ALTERATIONS IN THE DIFFERENT PARTS OF THE RAT'S BRAIN**

R. A. SHUSHANYAN, A. V. GRIGORYAN, A. F. KARAPETYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2022 266-274

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*Article*

**MORPHOFUNCTIONAL CHANGES IN RAT LUNGS UNDER THE INFLUENCE OF AFLATOXIN B1**

A. F. KARAPETYAN, A. V. GRIGORYAN, G. A. AVAGYAN

ԵՊՀ Գիտական տեղեկագիր, Բնական գիտություններ 2021 85-90

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*Article*

**Արյուն. պլազմա, էրիթրոցիտներ**

Կարապետյան Ա.Ֆ., Գրիգորյան Ա.Վ.

Բնագետ 2020 3-8

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*Article*

**Արյուն. թրոմբոցիտներ**

Կարապետյան Ա.Ֆ., Գրիգորյան Ա.Վ.

Բնագետ 2020 20-24

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*Article*

**ԱՐՅՈՒՆ. ԼԵՅԿՈՑԻՏՆԵՐ ԿԱՄ ԱՐՅԱՆ ՍՊԻՏԱԿ ԲԶԻԶՆԵՐ**

Կարապետյան Ա.Ֆ., Գրիգորյան Ա.Վ.

Բնագետ 2020 3-18

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*Article*

**Ինքնախմուկիտետ**

Ա.Ֆ. Կարապետյան, Ա.Վ. Գրիգորյան

Բնագետ 2019 39-48

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*Article*

**The potential therapeutic effect of NG-hydroxy-nor-L-arginine in 7,12-**

**dimethylbenz(a)anthracene-induced breast cancer in rats**

Nikolay Avtandilyan, Hayarpi Javrushyan, Anahit Mamikonyan, Anna Grigoryan, Armen Trchounian

Experimental and Molecular Pathology 2019 1-10

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*Article*

**Гистоморфологические изменения почек крыс при поступлении с кормом Афлатоксина В1**

Карапетян А.Ф., Григорян А.В., Мхитарян М.А.

Успехи медицинской микологии 2018 309-313

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*Article*

**HISTOLOGICAL AND MORPHOLOGICAL CHANGES OF RATS' THYMUS UNDER THE INFLUENCE OF AFLATOXIN B1**

H.N. YEGORYAN, A.V. GRIGORYAN, A.F. KARAPETYAN

Biological Journal of Armenia 2018 28-32

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*Article*

**INFLUENCE OF THE HRAZDAN RIVER POLLUTION ON MORPHOFUNCTIONAL FEATURES OF PELOPHYLAX RIDIBUNDUS INTESTINE**

Grigoryan A.V.

ԵՊՀ Գիտական տեղեկագիր, Բնական գիտություններ 2017 166-170

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*Article*

**THE IDENTIFICATION OF CLASTOGENIC IMPACTS OF WATER IN HRAZDAN RIVER BY STUDYING THE PERIPHERAL BLOOD ERYTHROCYTES OF LAKE FROG (PELOPHYLAX RIDIBUNDUS)**

Grigoryan A.V., Karapetyan A.F., Jivanyan K.A

Biological Journal of Armenia 2017 39-43

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*Article*

**THE CLASTOGENIC IMPACT OF WATER IN HRAZDAN RIVER ON LIVER HEPATOCYTES AND PERIPHERAL BLOOD ERYTHROCYTES OF LAKE FROG (PELOPHYLAX RIDIBUNDUS)**

Grigoryan A. V., Karapetyan A. F

Science Review 2017 7-10

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*Article*

**The karyologic study of frogs (Pelophylax Ridibundus) hepatocytes living in different surrounding areas of Hrazdan river characterized by different degrees of pollution**

Grigoryan, A. V.

Biological Journal of Armenia 2016 45-50

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

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*Article*

**О морфофункциональных изменениях селезенки и тимуса крыс при поступлении с кормом микотоксинов**

Дживанян К.А., Карапетян А.Ф., Григорян А.В.

Современный научный вестник 2012 121-124

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*Article*

**Об особенностях гистоморфологии печени и тонкой кишки крыс при поступлении с кормом микотоксинов**

Дживанян К.А., Карапетян А.Ф., Григорян А.В.

*Article*

**Гистоморфологические особенности кожи озерной лягушки (*Rana ridibunda*), обитающей у реки Раздан (Հրազդան գետի շրջակայքում բնակվող լճագորտի (*Rana ridibunda*) մաշկի հիստոմորֆոլոգիական առանձնահատկությունները)**

А.В. Григорян, А.Ф. Карапетян, К.А.Дживанян

УЧЕНЫЕ ЗАПИСКИ ЕГУ, Химия и биология 2011 49-52

<http://ysu.am/science/hy/scientific-magazine/year/2011>

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*Article*

**О морфофункциональных особенностях печени и селезенки озерной лягушки (*Rana ridibunda*), обитающей у реки Раздан.**

Карапетян, А. Ф., Григорян, А. В., Дживанян, К. А.

Biological Journal of Armenia 2011 14-17

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

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*Conference*

**Assessment of NO level and histological alterations in the rats brain during high altitude cerebral edema induced by hypobaric hypoxia**

R. Shushanyan, A. Karapetyan, A. Grigoryan

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*Conference*

**Cytotoxic effect of the of SARS COV-2 on peripheral blood cells in the pathogenesis of COVID-19 disease**

A. Karapetyan, A. Grigoryan, L. Niazyan, R. Shushanyan, T. Abgaryan, T. Galechyan, S. Iritsyan,

K. Sargsyan

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*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

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*Conference*

**The morphofunctional changes in rat's liver under conditions of 7, 12-DMBA-induced breast cancer after NG-Nitro-L-arginine methyl ester treatment**

A. Grigoryan, R. Shushanyan, N. Avtandilyan, A. Karapetyan

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*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

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*Conference*

**Developing Soft Skills in the Path of Integration of Immunology and Vaccinology Course in the Yerevan State University Curricula**

L. Niazyan, A. Grigoryan, H. Panosyan, I. Bazukyan, A. Hovhannisyan, T. Abgaryan, Z. Aleksanyan,

K. Sargsyan, A. Karapetyan

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*Conference*

**Impact of Sea Buckthorn Oil and Dexamethasone on Hematological Parameters in Hypoxia-Exposed Rats**

Anna Grigoryan, Ruzanna Shushanyan, Tamara Abgaryan, Milena Shahbazyan, Tatev Poghosyan, Zarik Stepanyan, Nona Grigoryan, Anna Karapetyan

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*Conference*

**Liver Regeneration and Immune System Interactions: Evidence from Thymus and Bursa of Fabricius in Chickens**

Tamara Abgaryan, Anna Grigoryan, Ruzanna Shushanyan, Milena Shahbazyan, Anna Karapetyan

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*Conference*

**The impact of high altitude hypoxia on brain and liver: histomorphological insights into hepatic-neurovascular interactions**

R. Shushanyan, A. Grigoryan, T. Abgaryan, A. Karapetyan

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*Conference*

**MORPHOFUNCTIONAL CHANGES IN THE BURSA OF FABRICIUS DURING LIVER REGENERATION**

T. Abgaryan, A. Grigoryan, R. Shushanyan, A. Karapetyan

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*Conference*

**Nuclear and Nucleolar Alterations in Rat Hepatocytes Following Combined Mycotoxin Exposure**

Anna Karapetyan, Anna Grigoryan, Tamara Abgaryan

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*Conference*

**MORPHOFUNCTIONAL CHANGES IN PELOPHYLAX RIDIBUNDUS AS INDICATORS OF ENVIRONMENTAL POLLUTION IN THE HRAZDAN RIVER**

A. Grigoryan, T. Abgaryan, T. Abgaryan, A. Karapetyan

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*Conference*

**MORPHOFUNCTIONAL CHANGES IN RAT SPLEEN AND THYMUS UNDER MYCOTOXIN EXPOSURE**

A. Karapetyan, L. Niazyan, T. Abgaryan, A. Grigoryan

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