

# Ruzanna Kim Petrosyan

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## Research Institute of Biology

Zoology Laboratory

Junior Researcher

## Education

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Biology/zoology
<b>Date</b>	2016 - 2017
<b>Degree name</b>	Applicant

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Biology/zoology
<b>Date</b>	2012 - 2014
<b>Degree name</b>	Masters

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<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Biology/ biochemistry
<b>Date</b>	2008 - 2012
<b>Degree name</b>	Bachelor

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## Scientific Rank/degree

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<b>Institution</b>	Yerevan State University
<b>Date</b>	2019
<b>Degree name</b>	Candidate
<b>Specialty</b>	Biological sciences
<b>Scientific Supervisor</b>	Arakelyan Marine
<b>Research Topic</b>	POPULATION ECOLOGY OF ENDANGERED SPECIES OF LIZARDS IN ARMENIA

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## Language skills

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Русский English

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## Work experience

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<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2023 till now
<b>Rank/degree</b>	Junior Researcher

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<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2015 - 2023
<b>Rank/degree</b>	senior Assistant

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## Scientific interests

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- Herpetology
  - ecology
  - conservation
  - cytology
  - meiosis
  - nerve cell studies
  - behavior
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## Publications

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### *Article*

#### **Premeiotic endoreplication is the mechanism of obligate parthenogenesis in rock lizards of the genus *Darevskia***

Petrosyan Ruzanna, Arakelyan Marine, Dmitry Dedukh, Lukáš Kratochvíl, Altmanová Marie,

Galoyan Eduard

Biology Letters :The Royal Society 2024 20240182

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### *Article*

#### **Status of the Dwarf Lizard (*Parvilacerta parva*) at the edge of its range in Armenia**

Marine Arakelyan, Tigran Tadevosyan, Ruzanna Petrosyan, Tigran Ghrejyan, Angin Grigoryan

Zoology in the Middle East 2023 232-242

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### *Article*

#### **Peculiarities of Thermal Biology in Two Parthenogenetic Rock Lizard Species, *Darevskia armeniaca* and *Darevskia unisexualis*, and One Bisexual Species, *Darevskia valentini* (Lacertidae, Squamata)**

R. K. Petrosyan, M.S. Arakelyan, O. D. Nikolaev, D. A. Belova, B. A. Novikov, I. B. Simis, V. A. Komarova,

E. A. Galoyan

Biology Bulletin 2022 1214-1223

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### *Article*

#### **Genetic Variability and the Potential Range of *Darevskia rostombekowi* in Transcaucasia**

F. A. Osipov, A. A. Vergun,, M. S. Arakelyan,, R. K. Petrosyan, N. N. Dergunova,, L. A. Neymark,

V. G. Petrosyan

Biology Bulletin 2021 681-692

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### *Article*

#### **Rediscovery of Chernov's skink (*Ablepharus chernovi* Darevsky, 1953) in Armenia**

Marine Arakelyan, Vasil Ananian, Ruzanna Petrosyan

Herpetology Notes 2019 475-477

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Article

**Extraordinary centromeres: differences in the meiotic chromosomes of two rock lizards species *Darevskia portschinskii* and *Darevskia raddei***

Spangenberg V, Arakelyan M, Galoyan E, Pankin M, Petrosyan R, Stepanyan I, Grishaeva T, Danielyan F,

Kolomiets O

PeerJ 2019 e6360

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Article

**Natural history of Valentin's rock lizard (*Darevskia valentini*) in Armenia**

Eduard Galoyan,, Alisa Bolshakova,, Manush Abrahamyan, Ruzanna Petrosyan, Valeria Komarova,

Victor Spangenberg, Marine Arakelyan

ZOOLOGICAL RESEARCH 2019 277-292

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Article

**DAILY ACTIVITIES OF PARTHENOGENETIC DAREVKIA ROSTOMBEKOWI SPECIES**

R.K. Petrosyan

Biological Journal of Armenia 2018 93-96

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Article

**Reticulate Evolution of the Rock Lizards: Meiotic Chromosome Dynamics and Spermatogenesis in Diploid and Triploid Males of the Genus *Darevskia***

Victor Spangenberg, Marine Arakelyan, Eduard Galoyan, Sergey Matveevsky, Ruzanna Petrosyan,

Yuri Bogdanov, Felix Danielyan, Oxana Kolomiets

Genes 2017 1-15

<http://www.mdpi.com/journal/genes>

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Article

**ՄԵՂՐԱԽՆՏԻ (*Stevia rebaudiana* Bertoni) ԵՎ ԻՍՈՒԲԻԼԻՉԱՑԻՈՆ ՍԹՐԵՍԻ ՀԱՄԱԿՑՎԱԾ ԱՉԴԵՑՈՒԹՅՈՒՆԸ ՃԱԳԱՐԻ ԱՐՅԱՆ ԳԼՅՈՒԿՈՉԻ ԵՎ ԼՅԱՐԴՈՒՄ ՈՒ ԿՄԱԽՔԱՅԻՆ ՄԿԱՆՆԵՐՈՒՄ ԳԼԻԿՈԳԵՆԻ ՊԱՐՈՒՆԱԿՈՒԹՅԱՆ ՎՐԱ**

Ծ.Ի. Ադամյան, Հ.Մ. Կարապետյան, Է.Ս. Գևորգյան, Ն.Վ. Սարգսյան, Ռ.Կ.Պետրոսյան

Հայաստանի կենսաբանական հանդես 2016 27-32

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

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Article

**СРАВНЕНИЕ ВРЕМЕННОЙ СОСТАВЛЯЮЩЕЙ ЭКОЛОГИЧЕСКИХ НИШ СИНТОПИЧНЫХ ВИДОВ СКАЛЬНЫХ ЯЩЕРИЦ АРМЕНИИ**

М. Абрамян, Р. Петросян, М. Аракелян

ԵՊՀ ՈՒԳԸ գիտական հոդվածների ժողովածու 2015 72-74

<http://www.yasu.am/sss/hy>

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Article

**SEASONAL AND DAILY ACTIVITIES OF TWO SYNTOPIC PARTHENOGENETIC LIZARDS OF GENUS *DAREVSKIA***

M. R. ABRAHAMYAN, R. K. PETROSYAN, Ed. A. GALOYAN, F. D. DANIELYAN, M. S. ARAKELYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2014 39-42

<http://www.yasu.am/science/hy/journals>

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Article

**ԷԿՈԼՈԳԻԱԿԱՆ ԳՈՐԾՈՆՆԵՐԻ ԱՉԴԵՑՈՒԹՅՈՒՆԸ ԺԱՅՈՎԱՅԻՆ ՍՈՂԵՍՆԵՐԻ ՄԱԿԱԲՈՒԾԱՅԻՆ**

**ՎԱՐԱԿՎԱԾՈՒԹՅԱՆ ՎՐԱ**

Թ.Կ. ՀԱՐՈՒԹՅՈՒՆՅԱՆ, Ռ.Կ. ՊԵՏՐՈՍՅԱՆ, Ֆ.Դ. ԴԱՆԻԵԼՅԱՆ, Մ.Ս. ԱՌԱՔԵԼՅԱՆ

Հայաստանի կենսաբանական հանդես 2013 130-135

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

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*Article*

**A skeletochronological study of parthenogenetic lizards of genus Darevskia from Turkey**

Arakelyan Marine, Petrosyan Ruzanna, Çetin Ilgaz, Yusuf Kumlutaş, SalihHakan Durmuş, Yahya Tayhan

Acta Herpetologica 2013 99-104

<http://www.fupress.net/index.php/ah>

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*Article*

**Comparative analysis of the reproductive activity of two related forms of rock lizard D.raddei and D.nairensis**

Ռուզաննա Պետրոսյան

Գավառի պետական համալսարանի գիտական հոդվածների ժողովածու 2012 94-96

<http://www.gsu.am/?go=menu32>

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*Conference*

**PATTERN OF COEXISTING OF ENDANGERED PARTHENOGENETIC SPECIES Darevskia rostombekowi WITH SYNTOPIC Darevskia SPECIES**

Ruzanna PETROSYAN, Razmik SARGSYAN, Marine ARAKELYAN

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*Conference*

**Comparative analysis of two close related forms of lizard Darevskia "raddei" and D, "nairensis"**

Petrosyan Ruzanna, Arakelyan Marine

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*Conference*

**Особенности конкурентного синантропизма гомеологических хромосом в мейозе приводят к тератозооспермии у триплоидных гибридов Армянских скальных ящериц**

Спангенберг В.Е., Аракелян М.С., Даниелян Ф.Д., Матвеевский С.Н., Петросян Р. К., Галоян Э.А.,

Коломиец О.Л.

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*Conference*

**Do parthenogenetic lizards prefer sex when possible? Ecological, behavioural and cytogenetic features of complex population comprising of two parthenogenetic, one bisexual species and their hybrids of rock lizards (Darevskia, ZAURIA) in Armenia**

Galoyan E.A, Arakelyan M.S, Matveevsky S.N, Ruzanna P., Abrahamyan M, Kolomiets O.L.,

Spangenberg V.E

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*Conference*

**THE REPRODUCTIVE FEATURES OF RARE PARTHENOGENETIC SPECIES DAREVSKIA ROSTOMBEKOWI**

Petrosyan R.K., Arakelyan M.S.

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*Conference*

**CONSERVATION MEASURES FOR THE CRITICALLY ENDANGERED SPECIES OF LIZARD IN ARMENIA (EREMIS ARGUTA TRANSCAUCASICA)**

Arakelyan M.S., Petrosyan R.K.

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