

Marine Semyon Arakelyan

Faculty of Biology

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Education

Institution	Yerevan State University
Faculty	Biology
Date	1991 - 1996
Degree name	Qualified specialist

Scientific Rank/degree

Institution	Yerevan State University
Date	2019
Degree name	Professor
Specialty	Biological sciences

Institution	Scientific Center of Zoology and Hydroecology, Yerevan, Armenia
Date	2012
Degree name	Doctor
Specialty	Biological sciences
Research Topic	: Microevolutionary processes in sympatric populations of some reptiles from Republic of Armenia and adjacent territories

Institution	Zoological Institute of Russian Academy of Science, St.-Petersburg, Russia
Date	2001
Degree name	Candidate
Specialty	Biological sciences
Scientific Supervisor	Prof. Ilya Darevsky
Research Topic	A Skeletochronological Study of the Rock Lizards of Armenia and Some Problems of their Ecology

Language skills

Русский English

Scientific interests

- Biodiversity of Caucasus
 - Hybridogenous speciation
 - Parthenogenesis in reptiles
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Publications

Article

Polymorphism of Microsatellite Loci in Populations of Caucasian Rock Lizards and Its Use for Assessing the Genetic Diversity of *Darevskia raddei*

D. O. Odegova,, A. A. Valyaeva,, M. S. Arakelyan, A. P. Ryskova,, V. I. Korchagin, I. A. Martirosyan

Russian Journal of Genetics 2024 326–343

Article

First record of *Arion vulgaris* Moquin-Tandon, 1855 (Arionidae) from Armenia

Meri Arzumanyan, Gohar Zhamakochyan, Hasmik Torosyan, Arevik Ghrmajyan, Marine Arakelyan,

Siranush Nanagulyan, Lusine Margaryan, Sargis Aghayan, Robert B Davis, Agnes Turoci

Biodiversity Data Journal 2024 e121176

Article

Features of the Biology of Alien Species Prussian Carp (*Cyprinidae*, *Actinopterygii*) from the Water Bodies of Armenia

S. Kh. Pipoyan,, L. Kh. Benoyan, A. F. Grigoryan, M. R. Nersisyan, G. H. Chakhalyan,

K. S. Hambartsumyan, M. S. Arakelyan, I. E. Stepanyan

Russian Journal of Biological Invasions 2024 119-133

Article

Variants of a major DNA satellite discriminate parental subgenomes in a hybrid parthenogenetic lizard *Darevskia unisexualis* (Darevsky, 1966)

Pavel Nikitin, Sviatoslav Sidorov, Thomas Liehr, Ksenia Klimina, Ahmed Al-Rikabi, Vitaly Korchagin,

Oxana Kolomiets, Marine Arakelyan, Victor Spangenberg

Journal of Experimental Zoology Part B: Molecular and Developmental Evolution 2024 368 - 379

Article

Invasive alien species of animals in Armenia

Marine Arakelyan, Varos Petrosyan, Samvel Pipoyan, Gayane Karagyan, Tigran Ghrejjyan,

Astghik Ghazaryan, Vardan Asatryan, Marine Dallakyan, Arevik Ghrmajyan, Meri Arzumanyan,

Mark Kalashian

BiolInvasions Records 2024 293–303

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 2024 20240182

Article

Molecular detection of *Toxoplasma gondii* (Chromista: Apicomplexa) in the blood of

passerines (Aves: Passeriformes) in south-eastern Armenia

Sargis A. Aghayan, Manan Asikyan, Marko Raković, Daliborka Stanković, Igor V. Fadeev,

Hasmik Gevorgyan, Oleg Shcherbakov, Marine Arakelyan, Karen Aghababyan, Abdol Sattar Pagheh,

Mehdi Sharif, Ahmad Daryani

Zoologia 2024 e24016

Article

Changes in fish species composition in the rivers of the Ararat Plain during the last century

Samvel Pipoyan, Ilona Stepanyan, Tigran Ghrejan, Marine Arakelyan

Zoology in the Middle East 2024 236-247

Article

Effectiveness of protected areas in the Caucasus Mountains in preventing rangeland degradation

Arash Ghoddousi, Marie Pratzer, Katarzyna E.Lewinska, Juliana Eggers, Benjamin Bleyhl,

Hüseyin Ambarli, Marine Arakelyan, Elshad Askerov, Van Butsic, Astghik Ghazaryan, Bejan Lortkipanidze,

Volker C. Radeloff, Tobias Kuemmerle

Conservation Biology 2024 1-14

Article

State of knowledge of the ladybird beetle (Coleoptera, Coccinellidae) fauna of Armenia and other Transcaucasian countries, including two new country records

Shoghik Ghazaryan, Marine Arakelyan, Astghik Ghazaryan, Jerzy Romanowski, Krzysztof Turlejski,

Piotr Ceryngier

ZooKeys 2024 71 - 102

Article

The role of the Caucasus, Carpathian, and Dinaric-Balkan regions in preserving wolf genetic diversity

Dragana Šnjegota, Magdalena Niedziałkowska, Astrid Vik Stronen, Tomasz Borowik, Kamila Plis,

Marine Arakelyan, Duško Ćirović, Gabriel Danila, Mihajla Djan, Astghik Ghazaryan, Zurab Gurielidze,

Tigran Hayrapetyan, Zsolt Hegyeli, Alexandros A. Karamanlidis, Natia Kopaliani, Josip Kusak,

Dmitry Politov, Maya Talala, Elena Tsingarska, Bogumiła Jędrzejewska

Mammalian Biology 2023 303-315

Article

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

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

Zoology in the Middle East 2023 232-242

Article

Evolution of parthenogenetic reproduction in Caucasian rock lizards: a review

Marine Arakelyan, Victor Spangenberg, Varos Petrosyan, Alexey Ryskov, Oxsana Kolomiets,

Eduard Galoyan

Current Zoology 2023 128-135

Article

Biodiversity Conservation Problems

George Fayvush, Karen Aghababyan, Alla Aleksanyan, Marine Arakelyan, Arsen Gasparyan,
Mark Kalashian, Lusine Margaryan, Siranush Nanagulyan
Biodiversity of Armenia 2023 283-321

Article

Molecular genetic characteristics of Darevskia portschinskii lizard populations based on microsatellite markers analysis

Irena A. Martirosyan, Dmitrii O. Odegov, Ilaha E. Kafarova, Marine S. Arakelyan, Alexey P. Ryskov,

Vitaly I. Korchagin

Acta Herpetologica 2023 147-158

Article

Анализ ширины экологических ниш партеногенетических ящериц рода Darevskia (Lacertidae, Reptilia) с различными сценариями формирования клональных линий в популяциях

Ф. А. Осипов, В. В. Бобров, Н. Н. Дергунова, М. С. Аракелян, В. Г. Петросян

Современная герпетология 2023 108-112

Article

Phylogeny and geographic distribution of rock lizards (Lacertidae, Reptilia) in Alborz mountain range

E. S. Iryshkov, E. N. Solovyeva, M. S. Arakelyan, E. Rastegar-Pouyani, M. Moaddab, K. Milto, E. Galoyan

Современная герпетология 2023 93-101

Article

Fauna of Armenia

Mark Kalashian, Karen Aghababyan, Noushig Zarikian, Bardukh Gabrielyan, Marine Arakelyan,

Astghik Ghazaryan

Biodiversity of Armenia 2023 165-282

Article

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

Anzhela Sargsyan, Galina Hovhannisyan, Anna Simonyan, Marine Arakelyan, Meri Arzumanyan,

Rouben Aroutiounian

MUTATION RESEARCH - GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS 2022 503500

Article

Molluscs as bioindicators of tourism pressure on ecosystems of Dilijan National Park, Armenia

M. Arzumanyan, A. Ghrmajyan, V. Muradyan, T. Tammaru, M. Arakelyan

JOURNAL OF ECOTOURISM 2022 1-12

Article

МОЛЕКУЛЯРНАЯ СТРУКТУРА И ПОЛИМОРФИЗМ МИКРОСАТЕЛЛИТНЫХ ЛОКУСОВ

КАВКАЗСКИХ СКАЛЬНЫХ ЯЩЕРИЦ Darevskia raddei ПОПУЛЯЦИИ “ЕРЕВАН” ИЗ АРМЕНИИ

И. А. Мартиросян, М. С. Аракелян, А. А. Валяева, А. П. Рысков

ГЕНЕТИКА (Russian Journal of Genetics) 2022 478-480

Article

Parthenogenesis in Darevskia lizards: A rare outcome of common hybridization, not a

common outcome of rare hybridization

Susana Freitas, Anja Marie Westram, Tanja Schwande, Marine Arakelyan, Çetin Ilgaz, Yusuf Kumlutas, D. James Harris, Miguel A. Carretero, Roger K. Butlin
Evolution 2022 899-914

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

Article

Precise paternal ancestry of hybrid unisexual ZW lizards (genus *Darevskia*: Lacertidae: Squamata) revealed by Z-linked genomic markers

Yanchukov Alexey, Tarkhnishvili David, Erdolu Meriç, MEHMET KÜRŞAT ŞAHİN, Candan Kamil, Murtskhvaladze Marine, Gabelaia Mariam, Iankoshvili Giorgi, Barateli Natia, Ilgaz Çetin, Kumlutaş Yusuf, Matur Ferhat, Çolak Faruk, Arakelyan Marine, Galoyan Eduard
Biological Journal of the Linnean Society 2022 293-305

Article

First Genome of Rock Lizard *Darevskia valentini* Involved in Formation of Several Parthenogenetic Species

Sofia Ochkalova, Vitaly Korchagin, Andrey Vergun, Avel Urin, Danil Zilov, Sergei Ryakhovsky, Anastasiya Girnyk, Irena Martirosyan, Daria V. Zhernakova, Marine Arakelyan, Felix Danielyan, Sergei Kliver, Vladimir Brukhin, Aleksey Komissarov, Alexey Ryskov
Genes 2022 1-16

Article

The mixed liver and kidney transcriptome dataset of *Darevskia valentini* rock lizard

Ryakhovsky, S.S., Zhernakova, D.V., Korchagin, V.I., Vergun A.A., Girnyk A. E, Dilaya V.A., Arakelyan M.S., Kommisarov A.S., Ryskov A.P
BMC Research Notes 2022 1-3

Article

Meiotic synapsis of homeologous chromosomes and mismatch repair protein detection in the parthenogenetic rock lizard *Darevskia unisexualis*

Victor E Spangenberg, Marine Arakelyan, Eduard Galoyan, Irena Martirosyan, Alexandra Bogomazova, Elena Martynova, Marcelo De Bello Cioffi, Thomas Liehr, Ahmed Al-Rikabi, Varos Petrosyan, Oxana Kolomiets
Molecular Reproduction and Development 2021 119-127

Article

Phylogenetics and phylogeography of red deer mtDNA lineages during the last 50 000 years in Eurasia

Karolina Doan, Magdalena Niedziałkowska, Krzysztof Stefaniak, Maciej Sykut, Bogumila Jedrzejewska, Natalia Piotrowska, Frank Zachos, Pavel Kosintsev, Urmas Saarma, Marine Arakelyan, Nina Manaseryan,

Dariusz Krasnodębski, Vadim Titov, Katerina Trantalidou, Oleksandr Kovalchuk, Alexey M. Klementiev, Irina V. Foronova, Grzegorz Lipecki, Ana Stanković, and 15 other authors
Zoological Journal of the Linnean Society 2021 1-26

Article

De novo transcriptome assembly and annotation of parthenogenetic lizard *Darevskia unisexualis* and its parental ancestors *Darevskia valentini* and *Darevskia raddei narensis*

Sergei S. Ryakhovsky, Victoria A. Dikaya, Ilya I. Korchagin, Andrey A. Vergun, Lavrentii G. Danilov,

Sofia D. Ochkalova, Anastasiya E. Girnyk, Daria V. Zhernakova, Marine S. Arakelyan, Vladimir B. Brukhin,

Aleksey S. Komissarov, Alexey P. Ryskov

Data in Brief 2021 107685

Article

Molecular-genetic identification of *Darevskia unisexualis* × *D. valentini* triploid hybrids from sympatric populations of Armenia

A. E. Girnyk, A. A. Vergun, M. S. Arakelyan, A. P. Ryskov

Molecular Genetics, Microbiology and Virology 2021 201-203

Article

Raccoon (*Procyon lotor*) in the Pan-Caucasus region (Russia, Azerbaijan, Georgia, Iran, and Armenia)

Alexander P. Saveljev, Elshad Askerov, Yuri Yarovenko, Alexander Kitiashvili, Alexey Romashin,

Marine Arakelyan, Nikolai Tsapko

BEITRAEGE ZUR JAGD- UND WILDFORSCHUNG 2021 223-238

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

Article

ОСОБЕННОСТИ ТЕРМОБИОЛОГИИ ПАРТЕНОГЕНЕТИЧЕСКИХ СКАЛЬНЫХ ЯЩЕРИЦ (*DAREVSKIA ARMENIACA* И *DAREVSKIA UNISEXUALIS*) И ОБОЕПОЛОГО ВИДА *DAREVSKIA VALENTINI* (LACERTIDAE, SQUAMATA)

О. Д. Николаев, Д. А. Белова, А. Б. Новиков, И. Б. Симис, Р. К. Петросян, М. С. Аракелян,

В. А. Комарова, Э. А. Галоян

Зоологический журнал 2021 1214-1223

Article

Origin, clonal diversity, and evolution of the parthenogenetic lizard *Darevskia unisexualis*

Andrey Vergun, Anastasiya E. Girnyk, Vitaly I. Korchagin, Seraphima K. Semyanova, Marine S. Arakelyan,

Felix D. Danielyan, Alexey P. Ryskov, Robert W. Murphy

BMC Genomics 2020 1-10

Article

Cytogenetic mechanisms of unisexuality in rock lizards

Victor Spangenberg, Marine Arakelyan, Marcelo de Bello Cioffi, Thomas Liehr, Ahmed Al-Rikabi,

Elena Martynova, Ilona Stepanyan, Felix Danielyan, Eduard Galoyan, Oxana Kolomiets

Article

Species Distribution Models and Niche Partitioning among Unisexual *Darevskia dahli* and Its Parental Bisexual (*D. portschinskii*, *D. mixta*) Rock Lizards in the Caucasus

Varos Petrosyan, Fedor Osipov, Vladimir Bobrov, Natalia Dergunova, Andrey Omelchenko, Alexander Varshavskiy, Felix Danielyan, Marine Arakelyan

Mathematics 2020 1-21

Article

Does reproductive mode affect sexually selected colouration? Evaluating UV-blue spots in parthenogenetic and bisexual lizards of the genus *Darevskia*

Andran Abramjan, Marine Arakelyan, Daniel Frynta

Current Zoology 2020 1-13

Article

Syntopy of two species of rock lizards (*Darevskia raddei* and *D. portschinskii*) may not lead to hybridization between them

Eduard Galoyan, Viktoria Moskalenko, Mariam Gabelaia, David Tarkhnishvili, Victor Spangenberg, Anna Chamkina, Marine Arakelyan

Zoologischer Anzeiger 2020 43-52

Article

ПОСТРОЕНИЕ МОДЕЛЕЙ ПРОСТРАНСТВЕННОГО РАСПРЕДЕЛЕНИЯ И ЭКОЛОГИЧЕСКИХ НИШ ПАРТЕНОГЕНЕТИЧЕСКИХ И РОДИТЕЛЬСКИХ ВИДОВ РОДА *DAREVSKIA* НА ОСНОВЕ МНОГОЛЕТНИХ ДАННЫХ УЧЕТА И КЛИМАТИЧЕСКИХ, ТОПОГРАФИЧЕСКИХ И ЛАНДШАФТНЫХ ПРЕДИКТОРОВ

Петросян В.Г., Осипов Ф.А., Бобров В.В., Дергунова Н.Н., Омельченко А.В., Даниелян Ф.Д.,

Аракелян М.С.

Информационные технологии в исследовании биоразнообразия 2020 436-439

Article

Экологическая и генетическая характеристики однополых и двуполых видов ящериц рода *Darevskia*

Осипов Ф.А., Бобров В.В., Дергунова Н.Н., Неймярк Л.А., Вергун А.А., Аракелян М.С., Петросян В.Г.

Информационные технологии в исследовании биоразнообразия 2020 418-420

Article

New records and geographic distribution of the sympatric zones of unisexual and bisexual rock lizards of the genus *Darevskia* in Armenia and adjacent territories

Varos G Petrosyan, Fedor A Osipov, Vladimir V Bobrov, Natalia N Dergunova, Ivan I Kropachev, Felix D Danielyan, Marine S Arakelyan

Biodiversity Data Journal 2020 1-46

Article

Genotypic similarities among the parthenogenetic *Darevskia* rock lizards with different hybrid origins

David Tarkhnishvili, Alexey Yanchukov, Mehmet Kürşat Şahin, Mariam Gabelaia, Marine Murtskhvaladze, Eduard Galoyan, Kamil Candan, Marine Arakelyan, Giorgi Iankoshvili, Yusuf Kumlutas, Çetin Ilgaz,

Article

Identifying priority areas for restoring mountain ungulates in the Caucasus ecoregion

Tobias Kuemmerle, Hendrik Bluhm, Arash Ghoddousi, Marine Arakelyan, Elshad Askerov,
Aurel Heidelberg, Benjamin Bleyhl, Mamikon Ghasabian, Alexander Gavashelishvili,
Alexander Malkhasyan, Yuriy Yarovenko, Karen Manvelyan, Paul Weinberg, Nugzar Zazanashvili,
Mahmood Soofi
Conservation Science and Practice 2020 1-15

Article

From troubles to solutions: conservation of Mediterranean tortoises under global change.

Eva Graciá, Roberto C. Rodríguez-Caro, Marcos Ferrández, Albert Martínez Silvestre, Irene Pérez-Ibarra,
Rabie Amahjour, Carmen Aranda, Benelkadi Hadj, Albert Bertolero, Marta Biaggini, Fernando Esperón,
Joan Budo, Vanesa Cadenas, Brahim Chargui, Claudia Corti, Francisco Bortella,
Miguel Angel Esteve-Selma, Saumia Fahd, Isabel Fuente, Ana Golubović, Ana Heredia,
María Victoria Jiménez-Franco, Marine Arakelyan, Daniele Marini, Julia Martínez-Fernández,
Ramon Mascort, Andrea Mira-Rover, Roberto Pascual-Rico, Ana Perera, Beate Pfau, Samuel Pinya,
Xavier Santos, Amalia Segura, Mohamed Jaouhar Semaha, Joaquim Soler-Massana, Jose Manuel Vidal,
Andrés Giménez, M Carmen Martínez-Pastor
Basic and Applied Herpetology 2020 5-16

Article

Evolution of the parthenogenetic rock lizard hybrid karyotype: Robertsonian translocation between two maternal chromosomes in *Darevskia rostombekowi*

Victor Spangenberg, Oxana Kolomiets, Ilona Stepanyan, Eduard Galoyan, Marcelo de Bello Cioffi,
Elena Martynova, Irena Martirosyan, Tatiana Grishaeva, Felix Danielyan, Ahmed Al-Rikabi, Thomas Liehr,
Marine Arakelyan
Chromosoma 2020 275-283

Article

Winter temperature and forest cover have shaped red deer distribution in Europe and the Ural Mountains since the Late Pleistocene

Magdalena Niedziałkowska, Karolina Doan, Marcin Gorny, Maciej Sykut, Natalia Piotrowska,
Bogumila Jedrzejewska, Pawel Mackiewicz, Pavel Kosintsev, Dariusz Krasnodębski, Urmas Saarma,
Marine Arakelyan, Nina Manaseryan, Vadim Titov, Jessie Woodbridge, Grzegorz Lipecki, Alesia Arabey,
Ana Stanković, + 15 other authors
Journal of Biogeography 2020 147-159

Article

Friend-or-foe? Behavioural evidence suggests interspecific discrimination leading to low probability of hybridization in two coexisting rock lizard species (Lacertidae, *Darevskia*)

Galoyan Eduard, Tselarius Elena, Arakelyan Marine
Behavioral Ecology and Sociobiology 2019 46/10

Article

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

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

Article

New records of *Darevskia armeniaca* (Méhely, 1909) and *Darevskia valentini* (Boettger, 1892) (Squamata, Sauria, Lacertidae) from Armenia and updated geographic distribution maps

Varos G. Petrosyan, Feodor A. Osipov, Vladimir V. Bobrov, Natalia N. Dergunova, Felix D. Danielyan,

Marine S. Arakelyan

Check List 2019 21-31

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 Hovhannisyan, Marine Arakelyan, Rouben Aroutiounian

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

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

Article

Analysis of geographical distribution of the parthenogenetic rock lizard *Darevskia armeniaca* and its parental species (*D. mixta*, *D. valentini*) based on ecological modelling

Varos Petrosyan, Fedor Osipov, Vladimir Bobrov, Natalia Dergunova, Evgeny Nazarenko,

Andrey Omelchenko, Felix Danelyan, Marine Arakelyan

SALAMANDRA 2019 173-190

Article

The role of hybridisation in the origin and evolutionary persistence of vertebrate parthenogens: a case study of *Darevskia* lizards

Susana N. Freitas, D. James Harris, Neftalí Siller, Marine Arakelyan, Roger K. Butlin, Miguel A. Carretero

Journal of Heredity 2019 795-808

Article

Infection of parthenogenetic lizards by blood parasites does not support the “Red Queen hypothesis” but reveals the costs of sex

Marine Arakelyan, Tehmine Harutyunyan, Sargis A.Aghayan, Miguel A.Carretero

Zoology 2019 1-9

Article

Анализ пространственного распределения зон симпатрии однополых и двуполых видов кавказских скальных ящериц рода Darevskia.

Петросян В.Г, Осипов Ф.А, Бобров В.В, Дергунова Н.Н., Даниелян Ф.Д., Аракелян М.С.

Биологическое разнообразие Кавказа и юга России 2019 1-6

Article

Parthenogenetic Darevskia lizards mate frequently if they have the chance: a quantitative analysis of copulation marks in a sympatric zone

Miguel A. Carretero, Enrique García-Muñoz, Elena Argaña, Susana Freitas, Claudia Corti,

Marine Arakelyan, Neftalí Sillerod

Journal of Natural History 2018 405-413

<https://doi.org/10.1080/00222933.2018.1435832>

Article

A standard photomap of the ovarian nurse cell chromosomes for the dominant malaria vector in Europe and Middle East Anopheles sacharovi

Gleb N. Artemov, Alena I. Velichevskaya, Semen M. Bondarenko, Gayane H. Karagyan,

Sargis A. Aghayan, Marine S. Arakelyan, Vladimir N. Stegnyy, Igor V. Sharakhov, Maria V. Sharakhova

Malaria Journal 2018 1-11

Article

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

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

Rouben Aroutiounian

Ecotoxicology and Environmental Safety 2018 13-18

Article

ИЗУЧЕНИЕ ГИБРИДНЫХ ТРИПЛОИДНЫХ САМЦОВ СКАЛЬНЫХ ЯЩЕРИЦ РОДА DAREVSKIA В СИМПАТРИЧЕСКОЙ ПОПУЛЯЦИИ АРМЕНИИ

Ф.Д. ДАНИЕЛЯН, М.С. АРАКЕЛЯН, В.Е. СПАНГЕНБЕРГ

Биологический журнал Армении 2018 64-71

Article

Assessing niche overlap between domestic and threatened wild sheep to identify conservation priority areas

Benjamin Bleyhl, Marine Arakelyan, Elshad Askerov, Hendrik Bluhm, Alexander Gavashelishvili,

Mamikon Ghasabian, Arash Ghoddousi, Aurel Heidelberg, Igor Khorozyan, Alexander Malkhasyan,

Karen Manvelyan, Tobias Kuemmerle, Mohammadreza Masoud, Ehsan M. Moqanaki, Volker C. Radeloff,

Mahmood Soofi, Paul Weinberg, Nugzar Zazanashvili

Diversity and Distributions 2018 129-141

Article

ECOMORPHOLOGY OF TORTOISES (Testudo graeca COMPLEX) FROM THE ARAKS RIVER VALLEY

Marine Arakelyan, Oğuz Türkozan, Nasim Hezaveh, James F. Parham

Russian Journal of Herpetology 2018 245-252

Article

Multiple interspecific hybridization and microsatellite mutations provide clonal diversity in the parthenogenetic rock lizard *Darevskia armeniaca*

Anastasiya E. Girnyk, Andrey A. Vergun, Seraphima K. Semyenova, Andrei S. Guliaev,

Marine S. Arakelyan, Felix D. Danielyan, Irena A. Martirosyan, Robert W. Murphy, Alexey P. Ryskov

BMC Genomics 2018 1-12

Article

Short term spatial structure of a lizard (*Darevskia* sp.) community in Armenia

Neftalí Sillero, Elena Argaña, Susana Freitas, Enrique García-Muñoz, Marine Arakelyan, Claudia Corti,

Miguel A. Carretero

Acta Herpetologica 2018 155-163

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>

Article

НЕКОТОРЫЕ ФЕНОТИПИЧЕСКИЕ ОСОБЕННОСТИ КВАКШ (AMPHIBIA: HYLIDAE) АРМЕНИИ

М.В. АРЗУМАНЯН, И.Э. Степанян, М.С. АРАКЕЛЯН

Հայաստանի կենսաբանական հանդես 2017 70-75

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

Article

INFESTATION OF DICE SNAKE *NATRIX TESSELLATA* (LAURENTI, 1768) BY HELMINTHS IN ARMENIA

N.H. SARGSYAN, M.S. ARAKELYAN, F.D. DANIELYAN

Biological Journal of Armenia 2016 89-91

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

Article

Cryptic diversity and unexpected evolutionary patterns in the meadow lizard, *Darevskia praticola* (Eversmann, 1834)

Susana Freitas, Anna Vavakou, Marine Arakelyan, Sergei V. Drovetski, Jelka Crnobrnja-isailović,

Artem A. Kidov, Dan Cogălniceanu, Claudia Corti, Petros Lymberakis, D. James Harris,

Miguel A. Carretero

Systematics and Biodiversity 2016 184-197

<http://www.tandfonline.com/loi/tsab20>

Article

Genetic Differentiation among Natural Populations of the Lizard Complex *Darevskia raddei* as Inferred from Genome Microsatellite Marking

A. V. Omelchenko, A. E. Girnyk, F. A. Osipov, A. A. Vergun, V. G. Petrosyan, F. D. Danielyan,

M. S. Arakelyan, A. P. Ryskov

Russian Journal of Genetics 2016 231

<http://www.springer.com/biomed/human+genetics/journal/11177>

Article

ГЕНЕТИЧЕСКАЯ ДИФФЕРЕНЦИАЦИЯ ПРИРОДНЫХ ПОПУЛЯЦИЙ ЯЩЕРИЦ КОМПЛЕКСА *Darevskia raddei* ПО ДАННЫМ МИКРОСАТЕЛЛИТНОГО МАРКИРОВАНИЯ ГЕНОМОВ

А. В. Омельченко, А. Е. Гирнык, Ф. А. Осипов, А. А. Вергун, В. Г. Петросян, Ф. Д. Даниелян, М. С. Аракелян, А. П. Рысков

ГЕНЕТИКА (Russian Journal of Genetics) 2016 260-264

Article

Parthenogenesis through the Ice Ages: a biogeographic analysis of Caucasian rock lizards (genus *Darevskia*)

Susana Freitas, Sara Rocha, João Campos, Faraham Ahmadzadeh, Claudia Corti, Neftali Sillero, Marine Arakelyan, D. James Harris, Miguel A. Carretero

Molecular Phylogenetics and Evolution 2016 117-127

<http://www.journals.elsevier.com/molecular-phylogenetics-and-evolution>

Monograph

Հայաստանի Հանրապետության և Լեռնային Ղարաբաղի երկկենցաղները ու սողունները
Դանիելյան Ֆ.Դ., Առաքելյան Մ.Ս.

2016 200

Monograph

Հայաստանի հանրապետության "Էմերալդ ցանցը"

Գ. Ֆայվուշ, Ս. Բալդյան, Մ. Առաքելյան, Կ. Աղաբաբյան, Ա. Ալեքսանյան, Ա. Ասլանյան, Ա. Ղազարյան, Մ. Հովհաննիսյան, Մ. Քալաշյան, Ս. Նահապետյան

2016 144

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/>

Article

BLOOD PARASITES MORPHOTYPES OF ROCK LIZARDS OF ARMENIA

T. K. HARUTYUNYAN, F. D. DANIELYAN, M. S. ARAKELYAN

Proceedings of the YSU B: Chemical and Biological Sciences 2015 45-49

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

Article

СРАВНЕНИЕ ВРЕМЕННОЙ СОСТАВЛЯЮЩЕЙ ЭКОЛОГИЧЕСКИХ НИШ СИНТОПИЧНЫХ ВИДОВ СКАЛЬНЫХ ЯЩЕРИЦ АРМЕНИИ

М. Абраамян, Р. Петросян, М. Аракелян

ԵՊՀ ՈՒԳԸ գիտական հոդվածների ժողովածու 2015 72-74

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

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

Article

ԷԿՈԼՈԳԻԱԿԱՆ ԳՈՐԾՈՆՆԵՐԻ ԱՉԴԵՑՈՒԹՅՈՒՆԸ ԺԱՅՈՎՅԻՆ ՄՈՂԵՍՆԵՐԻ ՄԱԿԱԲՈՒԾԱՅԻՆ ՎԱՐԱԿԱԾՈՒԹՅԱՆ 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/>

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>

Conference

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

Ruzanna PETROSYAN, Razmik SARGSYAN, Marine ARAKELYAN

Conference

PARTHENOGENETIC FEMALES MATE IF MALES ARE AROUND. AN ANALYSIS OF COPULATION MARKS IN A Darevskia MIXED COMMUNITY

Miguel A. CARRETERO, Enrique GARCÍA-MUÑOZ, Elena ARGANA, Susana FREITAS, Claudia CORTI,

Marine ARAKELYAN, Neftalí SILLERO

Conference

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

Petrosyan Ruzanna, Arakelyan Marine

Conference

Особенности конкурентного синапсиса 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

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., Abrahmyan M, Kolomiets O.L.,

Spangenberg V.E

Conference

Морфологическое и фенотипическое разнообразие у Rana macrocnemis (Boulenger, 1885) из горных популяций северной и центральной Армении.

М. В. Арзуманян, И. Э. Степанян, М. С. Аракелян

Conference

Изменчивость локационных сигналов нетопыря карлика на территории Армении

В. Арутюнян, М. Аракелян

Conference

Baseline surveys of biodiversity of vertebrate in vicinity of Hors and Taratumb communities in Vayots Dzor

М. Arakelyan, А. Malkhasyan, К. Manvelyan

Conference

МЕЖПОПУЛЯЦИОННАЯ ИЗМЕНЧИВОСТЬ ПО РАЗМЕРАМ ТЕЛА И ЭРИТРОЦИТОВ У ОЗЕРНОЙ ЛЯГУШКИ, PELOPHYLAX RIDIBUNDUS (PALLAS, 1771) В АРМЕНИИ

М.В. Арзуманян, А.И. Варданян, И.Э. Степанян, М.С. Аракелян

Conference

НОВЫЕ ДАННЫЕ ПО РАЗМЕРАМ ТЕЛА И ЭРИТРОЦИТОВ СИРИЙСКОЙ ЧЕСНОЧНИЦЫ (PELOBATES SYRIACUS BOETTGER, 1889) ИЗ АРАРАТСКОЙ ДОЛИНЫ АРМЕНИИ

Петросян Р.П., Арзуманян М.В., Степанян И.Э., Аракелян М.С.

Conference

ИЗМЕНЧИВОСТЬ МОРФОМЕТРИЧЕСКИХ ПРИЗНАКОВ РАКОВИН НАЗЕМНОГО МОЛЛЮСКА NARAEOPSIS HOHENACKERI (PFEIFFER, 1848)

М. В. Арзуманян, Э. А. Снегин, М. С. Аракелян

Conference

THE REPRODUCTIVE FEATURES OF RARE PARTENOGENETIC SPECIES DAREVSKIA ROSTOMBEKOWI

Petrosyan R.K., Arakelyan M.S.

Conference

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

Arakelyan M.S., Petrosyan R.K.

Conference

«ԿԵՆՍԱՐՔԱՆՈՒԹՅՈՒՆ» ԱՌԱՐԿԱՅԻՑ ՍՈՎՈՐՈՂՆԵՐԻ ՌԻՍԻՄԼԱԿԱՆ ԳՈՐԾՈՒՆԵՈՒԹՅԱՆ ԱՐԴՅՈՒՆՔՆԵՐԻ ԳՆԱՀԱՏՄԱՆ ՕՐԻՆԱԿԵԼԻ ՉԱՓԱՆԻՇՆԵՐԸ

Կարապետյան Ա.Ֆ., Առաքելյան Մ.Ս., Աղամյան Ռ.Գ.

Conference

Effectiveness of protected area in example of Dilijan national park for terrestrial molluscs diversity and richness in Armenia

Arzuamnayan M., Arakelyan M.

Conference

Variability of the morphomethric characteristics in the population of marsh frog Pelophylax ridibundus from Ararat valley (Armenia)

Arzumanyan M. V., Stepanyan I. E., Hayrapetyan T. A., Arakelyan M. S.

Conference

Total disturbance in chromosome synapsis and DSB repair do not arrest meiosis in triploid hybrid males of rock lizards

Spangenberg V. E., Arakelyan M. S., Galoyan E. A., Danielyan F. D., Kolomiets O. L.

Conference

Development of Standardized Biodiversity Monitoring Programs for Two Protected Areas in Armenia

Ghazaryan A., Hayrapetyan T., Aslanyan A., Papov G., Arakelyan M.

Conference

The integrated database of geographical distribution of Darevskia rock lizard species in the Caucasus and Asia Minor.

Petrosyan V. G., Arakelyan M.S., Osipov F.A., Bobrov V.V., Nazarenko E.A., Dergunova N., Danielyan F.

Conference

Infection of parthenogenetic lizards by blood parasites does not support the “Red Queen hypothesis” but reveals the costs of sex

MARINE ARAKELYAN, TEHMIN HARUTYUNYAN, SARGIS AGHAYAN, MIGUEL A. CARRETERO

Conference

Моделирование распределения партеногенетического вида Darevskia rostombekowi (darevsky, 1957) на территории Армении: генетические и экологические особенности популяций

Осипов Ф.А., Неймарк Л.А., Вергун А.А., Аракелян М.С., Петросян В.Г.

Conference

Дицентрические хромосомы скальных ящериц рода Darevskia

Спангенберг В.Е., Аракелян М.С., Лелекова М.А., Коломиец О.Л.

Conference

Сходства и различия экологических ниш партеногенетических видов скальных ящериц Darevskia dahli, D. armeniaca и их родительских видов D. valentini, D. portschinskii и D. mixta на основе анализа комплекса моделей пространственного распределения

Петросян В.Г., Осипов Ф.А., Бобров В.В., Даниелян Ф.Д., Аракелян М.С.

Conference

Картирование потенциальных ареалов и сравнительный анализ экологических ниш скальных ящериц Darevskia dahli и родительских видов (D. portschinskii и D. mixta) на основе данных находок и комплекса моделей пространственного распределения

Петросян В.Г., Осипов Ф.А., Бобров В.В., Неймарк Л.А., Аракелян М.С.

Conference

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

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

Conference

Diversity and phylogeny of terrestrial mollusks of Armenia

Meri Arzumanyan, Arevik Ghrmajyan, Gohar Zhamakochyan, Marine Arakelyan
