

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

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 Ghrejyan, 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***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., Komissarov A.S., Ryskov A.P

BMC Research Notes 2022 1-3

Article

Meiotic synopsis 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 nairensis*

Sergei S. Ryakhovsky, Victoria A. Dikaya, italy 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 ОБОПОЛОГО 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 unisexialis*

Andrey Vergun, Anastasiya E. Girnyk, Vitaly I. Korchagin, Seraphima K. Semyenova, 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

Scientific Reports 2020 1-14

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., Омельчено 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., Неймяк 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,

Ferhat Matur, Faruk Colak, Meriç Erdolu, Sofiko Kurdadze, Natia Barateli, Cort Anderson

BMC Ecology and Evolution 2020 1-25

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

Marine Arakelyan, Vasil Ananian, Ruzanna Petrosyan
Herpetology Notes 2019 475-477

Article

Extraordinary centromeres: differences in the meiotic chromosomes of two rock lizard 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

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 Hovhannisyana, 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. Բալոյան, Մ. Առաքելյան, Կ. Աղաբաբյան, Ա. Ալեքսանյան, Ա. Ասլանյան, Ա. Ղազարյան,

Մ. Հովհաննիսյան, Մ. Քալաշյան, Ս. Նահապետյան

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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.y-su.am/science/hy/journals>

Article

СРАВНЕНИЕ ВРЕМЕННОЙ СОСТАВЛЯЮЩЕЙ ЭКОЛОГИЧЕСКИХ НИШ СИНТОПИЧНЫХ ВИДОВ СКАЛЬНЫХ ЯЩЕРИЦ АРМЕНИИ

М. Абрамян, Р. Петросян, М. Аракелян

ԵՊՀ ՈԻԳԸ գիտական հոդվածների ժողովածու 2015 72-74

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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.y-su.am/science/hy/journals>

Article

ԷԿՈԼՈԳԻԱԿԱՆ ԳՈՐԾՈՆՆԵՐԻ ԱՉԴԵՑՈՒԹՅՈՒՆԸ ԺԱՅՈՎՅԻՆ ՍՈՂԵՍՆԵՐԻ ՄԱԿԱԲՈՒԾԱՅԻՆ ՎԱՐԱԿԱԾՈՒԹՅԱՆ ՎՐԱ

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

Հայաստանի կենսաբանական հանդես 2013 130-135

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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>

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

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

Petrosyan Ruzanna, Arakelyan Marine

Conference

Особенности конкурентного синхронизма 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

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Изменчивость локационных сигналов нетопыря карлика на территории Армении

В. Арутюнян, М. Аракелян

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М. Arakelyan, A. Malkhasyan, K. Manvelyan

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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

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НОВЫЕ ДАННЫЕ ПО РАЗМЕРАМ ТЕЛА И ЭРИТРОЦИТОВ СИРИЙСКОЙ ЧЕСНОЧНИЦЫ (*PELOVATES SYRIACUS* VOETTGER, 1889) ИЗ АРАРАТСКОЙ ДОЛИНЫ АРМЕНИИ

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

Conference

ИЗМЕНЧИВОСТЬ МОРФОМЕТРИЧЕСКИХ ПРИЗНАКОВ РАКОВИН НАЗЕМНОГО МОЛЛЮСКА *PARAEOPSIS NONENACKERI* (PFEIFFER, 1848)

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

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THE REPRODUCTIVE FEATURES OF RARE PARTENOGENETIC SPECIES *DAREVSKIA*

ROSTOMBEKOWI

Petrosyan R.K., Arakelyan M.S.

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

Arakelyan M.S., Petrosyan R.K.

Conference

«ԿԵՆՍԱԲԱՆՈՒԹՅՈՒՆ» ԱՌԱՐԿԱՅԻՑ ՍՈՎՈՐՈՂՆԵՐԻ ՈՒՍՈՒՄՆԱԿԱՆ ԳՈՐԾՈՒՆԵՈՒԹՅԱՆ ԱՐԴՅՈՒՆՔՆԵՐԻ ԳՆԱՀԱՏՄԱՆ ՕՐԻՆԱԿԵԼԻ ԶԱՓԱՆԻՇՆԵՐԸ

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.

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Variability of the morphometric 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.

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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.

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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, TEHMINE 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.

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Дицентрические хромосомы скальных ящериц рода *Darevskia*

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

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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.

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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.
