

Научно-исследовательский институт биологии

Կենդանիների էվոլյուցիայի և զոոնոզ հիվանդությունների ուսումնասիրության
լաբորատորիա

Старший научный сотрудник

Знание языков

Հայերեն

Научные интересы

- Молекулярная паразитология
- Молекулярная эволюция
- Экспериментальная эволюция
- Климатические изменения и инфекционные заболевания

Публикации

Статья
Design and optimization of IgG avidity test for differentiating acute from chronic human toxoplasmosis: A systematic review and meta-analysis
Mostafa Tork, Shahabeddin Sarvi, Hossein Asgarian-Omran, Mitra Sadeghi, Bahare Basirpour, Maryam Hatami Nejad, Shirzad Gholami, Seyed Abdollah Hosseini, Ahmad Daryan, Sargis A. Aghayan
Experimental Parasitology 2025 108883

Статья
The fauna of mosquitoes (Diptera: Culicidae) of Armenia (Фауна кровососущих комаров (Diptera: Culicidae) Армении)
Burlak V. A., Andreeva Y. V., Shcherbakov O. V., Fedorova V. S., Soboleva E. S., Haidara M. K., Alekseeva S. S., Slobodyanik R. V., Gevorgyan H. S., Aghayan S. A., Artemov G. N.
Кавказский энтомологический бюллетень (Kavkazskij Entomologiceskij Bulleten) 2025 25-42

Статья
Design and immunological evaluation of a multi-epitope vaccine candidate against Toxoplasma gondii incorporating MIC13, GRA1, and SAG1 antigens in BALB/c mice
Zahra Hosseininejad, Ahmad Daryani, Mahdi Fasihi-Ramandi, Hossein Asgarian-Omran, Tooran Nayeri, Samira Dodangeh, Afsaneh Amouei, Javad Javidnia, Sabah Mayahi, Shahabeddin Sarvi, Sargis A Aghayan
Food and Waterborne Parasitology 2025 e00269

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Preliminary investigations of parasite contamination of water sources in Armenia
Oleg V. Shcherbakov, Sargis A. Aghayan, Hasmik Sh. Gevorgyan, Tigran A. Abgaryan, Ruzanna H. Gevorgyan, Alejandro Jiménez-Meléndez, Lucy J. Robertson
Food and Waterborne Parasitology 2024 e00221

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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

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***Toxoplasma gondii* in rodents and shrews in Armenia, Transcaucasia**

Sargis A. Aghayan, Manan V. Asikyan, Oleg Shcherbakov, Astghik Ghazaryan, Tigran Hayrapetyan, Alexander Malkhasyan, Hasmik Gevorgyan, Arseny Makarikov, Svetlana Kornienko, Ahmad Daryani
International Journal for Parasitology: Parasites and Wildlife 2024 41-48

Статья

Enhanced clindamycin delivery using chitosan-coated niosomes to prevent *Toxoplasma gondii* strain VEG in pregnant mice: an experimental study

Mitra Sadeghi, Seyed Abdollah Hosseini, Shahabeddin Sarvi, Pedram Ebrahim Nejad, Hossein Asgarian Omran, Zohre Zare, Shirzad Gholami, Alireza Khalilian, Seyedeh Melika Ahmadi, Fatemeh Hajizadeh, Mostafa Tork, Ahmad Daryani, Sargis A. Aghayan
Tropical Medicine and Health 2024 1-13

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Diversity and Distribution of Bacterial and Parasitic Tick-Borne Pathogens in Armenia, Transcaucasia

Sargis A. Aghayan, Gohar Grigoryan, Hasmik Gevorgyan, Tehmine Harutyunyan, Martin Rukhkyan, Vahagn Muradyan, Gregory Karadjian, Maud Marsot, Sara Moutailler, Thomas Pollet
Iranian Journal of Public Health 2024 2563 - 2571

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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
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Efficacy of Clindamycin in Preventing Abortion and Vertical Transmission of *Toxoplasma gondii* (PRU Strain) Infection in Pregnant BALB/c Mice

Mitra Sadeghi, Seyed Abdollah Hosseini, Shahabeddin Sarvi, Pedram Ebrahimnejad, Hossein Asgarian Omran, Zohreh Zare, Shirzad Gholami, Alireza Khalilian, Mostafa Tork, Ahmad Daryani, Sargis A Aghayan
Iranian Journal of Pharmaceutical Research 2024 e150424

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PRELIMINARY PARASITOLOGICAL INVESTIGATION OF BROWN TROUT WITH NEW RECORDED SPECIES IN ARMENIA

Oleg V. Shcherbakov, Jon A. Mkrtchyan, Sargis A. Aghayan, Hasmik Sh. Gevorgyan, Valeri V. Grigoryan, Anush R. Hakobyan, Liana H. Grigoryan
Bulletin of the Iraq Natural History Museum 2024 447-463

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How genomics can help biodiversity conservation

Kathrin Theissinger, Carlos Fernandes, other 73 coauthors, Sargis A. Aghayan

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Phylogenomics revealed migration routes and adaptive radiation timing of Holarctic malaria mosquito species of the *Maculipennis* Group

Andrey A Yurchenko, Anastasia N Naumenko, Gleb N Artemov, Dmitry A Karagodin, James M Hodge, Alena I Velichevskaya, Alina A Kokhanenko, Semen M Bondarenko, Mohammad R Abai, Maryam Kamali, Mikhail I Gordeev, Anton V Moskaev, Beniamino Caputo, Sargis A Aghayan, Elina M Baricheva, Vladimir N Stegnyy, Maria V Sharakhova, Igor V Sharakhov

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Valorization of whey-based side streams for microbial biomass, molecular hydrogen, and hydrogenase production

Anna Poladyan, Karen Trchounian, Ela Minasyan, Meri Iskandaryan, Hayarpi Aghekyan, Sargis Aghayan, Avetis Tsaturyan, Ani Paloyan, Garabed Antranikian, Lev Khoyetsyan

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An updated list of mosquito species in Armenia and Transcaucasian region responsible for *Dirofilaria* transmission: A review

Oleg V Shcherbakov, Sargis A Aghayan, Hasmik Sh Gevorgyan, Vladimir A Burlak, Valentina S Fedorova, Gleb N Artemov

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Global epidemiology and spatial distribution of *Toxoplasma gondii* in goats: Protocol for a systematic review and Bayesian hierarchical meta-analysis

Afsaneh Amouei, Azadeh Mizani, Ahmad Ali Hanafi-Bojd, Tohid Jafari-Koshki, Shahabeddin Sarvi, Sargis A. Aghayan, Fateme Amuei, Tooran Nayeri Chegeni, Ahmad Daryani

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Evaluating the Inhibitory Effects of Colchicine and Propranolol on *Toxoplasma gondii* Entrance into Host Cells in vitro and in vivo

Daryani Ahmad, Mohammad Ali Ebrahimzadeh, Abdol Sattar Pagheh, Mahdi Sharif, Shahabeddin Sarvi, Ehsan Ahmadpour, Sargis Aghayan, Fatemeh Rezaei

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Deep genome-wide phylogeographic structure indicates cryptic diversity in the Middle Spotted Woodpecker (*Dendrocoptes medius*)

Manuel Schweizer, Qindong Tang, Reto Burri, Sergei V Drovetski, Hugo Robles, Kristof Zyskowski, Sargis Aghayan, Marko Rakovic, Gilberto Pasinelli

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Chromosome-scale *Echinococcus granulosus* (genotype G1) genome reveals the Eg95 gene family and conservation of the EG95-vaccine molecule

Pasi K Korhonen, Liina Kinkar, Huimin Cai, Neil D Young, Marshall W Lightowlers, Charles Gauci, Abdul Jabbar, Bill CH Chang, Tao Wang, Andreas Hofmann, Anson V Koehler, Junhua Li, Jiandong Li, Jiefang Yin, Daxi Wang, Huanming Yang, Urmas Saarma, David J Jenkins, Teivi Laurimäe, Mohammad Rostami-Nejad, Mitra Sharbat, Hossein Mirhendi, Malik Irshadullah, Francisco Ponce-Gordo, Sami Simsek, Adriano Casulli, Houria Zait, Hripsime Atoyian, Mario Luiz de la Rue, Thomas Romig, Marion Wassermann, Sargis A Aghayan, Hasmik Gevorgyan, Bicheng Yang, Robin B Gasser
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The era of reference genomes in conservation genomics

Giulio Formenti, Kathrin Theissinger, Carlos Ferna, Etc Etc Etc, Sargis A Aghayan, Etc. Etc,
Gert Wörheide, Yannick Wurm, Gabrielle Zammit
Trends in Ecology and Evolution 2022 197-202

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THE BREEDING AVIAN FAUNA OF MARMARIK RESERVOIR, KOTAYK REGION, ARMENIA

M.V. ASIKYAN, S.A. AGHAYAN, G. G. GRIGORYAN, E. A. KHACHATRYAN, K. E. AGHABABYAN
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ЭКСТЕНСИВНОСТЬ ИНВАЗИИ ЛЕЙШМАНИОЗА СОБАК В МЕГИРСКОМ РАЙОНЕ СЮНИКСКОГО МАРЗА АРМЕНИИ

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Burden of Ischemic Heart Disease in Central Asian Countries, 1990-2017

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Low MSP-1 haplotype diversity in the West Palearctic population of the avian malaria parasite *Plasmodium relictum*

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First report about toxic cyanobacterial bloom occurrence in Lake Sevan, Armenia

Gor Gevorgyan, Karsten Rinke, Martin Schultze, Armine Mamyian, Anton Kuzmin, Olga Belykh, Ekaterina Sorokovikova, Armine Hayrapetyan, Anahit Hovsepyan, Termine Khachikyan, Sargis Aghayan, Galina Fedorova, Andrey Krasnopeev, Sergey Potapov, Irina Tikhonova
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Genetic characterization of *Toxoplasma gondii* in Iranian HIV positive patients using multilocus nested-PCR-RFLP method

Seyed Abdollah Hosseini, Mehdi Sharif, Shahabeddin Sarvi, Saeid Abediankenari,
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Sara Gholami, Davoud Shaker, Azadeh Mizani, Shafigheh Shabanzadeh, Ahmad Daryani
Veterinary Parasitology 2020 322-328

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Summer observations of European Goldcrest *Regulus regulus* and European Serin *Serinus serinus* in Armenia

Marko Raković, Sargis A Aghayan, Sergei V. Drovetski, Ivan Medenica, Karen Aghababyan
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A systematic review of *Toxoplasma gondii* antigens to find the best vaccine candidates for immunization

Fatemeh Rezaei, Shahabeddin Sarvi, Mahdi Sharif, Seyed Hossein Hejazie, Abdol sattar Pagheh,
Sargis A. Aghayan, Ahmad Daryani
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Geographic patterns of mtDNA and Z-linked sequence variation in the Common Chiffchaff and the 'chiffchaff complex'

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Aetiology of livestock fetal mortality in Mazandaran province, Iran

Afsaneh Amouei, Mehdi Sharif, Shahabeddin Sarvi, Ramin Bagheri Nejad, Sargis A Aghayan,
Mohammad Bagher Hashemi-Soteh, Azadeh Mizani, Seyed Abdollah Hosseini, Sara Gholami,
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Evidence of Crimean-Congo Haemorrhagic Fever Virus Occurrence in Ixodidae ticks of Armenia

Hasmik Gevorgyan, Gohar Grigoryan, Hripsime Atoyan, Martin Rukhkyan, Astghik Hakobyan, Hovakim Zakaryan, Sargis A. Aghayan

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Seroprevalence of Toxoplasma gondii infection in cancer patients: A systematic review and meta-analysis

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Abdol Sattar Pagheh, Seyed Abdollah Hosseini, Reza Saberi, Tooran Nayeri Chegeni,

Zahra Hosseininejad, Ahmad Daryani

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Fasciola spp. in Armenia: genetic diversity in a global context

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A systematic review on efficiency of microneme proteins to induce protective immunity against Toxoplasma gondii

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A Systematic Review of Toxoplasma gondii Genotypes and Feline: Geographical Distribution Trends

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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

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Is *Toxoplasma gondii* a potential risk factor for Alzheimer's disease? A systematic review and meta-analysis

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Is there any association between *Toxoplasma gondii* infection and depression? A systematic review and meta-analysis

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A systematic review on the role of GRA proteins of *Toxoplasma gondii* in host immunization

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Is *Toxoplasma gondii* playing a positive role in multiple sclerosis risk? A systematic review and meta-analysis

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Aetiology of livestock fetal mortality in Mazandaran province, Iran

Afsaneh Amouei, Mehdi Sharif, Shahabeddin Sarvi, Ramin Bagheri Nejad, Sargis A Aghayan, Mohammad Bagher Hashemi-Soteh, Azadeh Mizani, Seyed Abdollah Hosseini, Sara Gholami, Alireza Sadeghi, Mohammad Sarafrazi, Ahmad Daryani
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A standard photomap of the ovarian nurse cell chromosomes for the dominant malaria vector in Europe and Middle East *Anopheles sacharovi*

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A test of the European Pleistocene Refugial Paradigm, using a Western Palearctic endemic bird species

Sergei V. Drovetski, Igor V. Fadeev, Marko Raković, Ricardo J. Lopes, Giovanni Boano, Marco Pavia,

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Global, Regional, and National Comparative Risk Assessment of 84 Behavioural, Environmental and Occupational, and Metabolic Risks or Clusters of Risks for 195 Countries and Territories, 1990-2017: a Systematic Analysis for the Global Burden of Disease Study

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Toxoplasma gondii Genotypes and Feline: Geographical Distribution Trends

Amouei Afsaneh, Sharif Mehdi, Sarvi Shahabeddin, Aghayan Sargis A., Javidnia Javad, Mizani Azadeh, Hosseini Seyed-Abdollah, Shams Nemat, Hosseini Zohreh, Chegeni Tooran Nayeri, Badali Hamid, Moosazadeh Mahmood, Daryani Ahmad
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Does the niche breadth or trade-off hypothesis explain the abundance-occupancy relationship in avian Haemosporidia?

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Буланый вьюрок *Rhodospiza obsoleta* - новый вид для фауны Армении

В.Ю.Ананян, С.В.Дровецкий, Е.А.Коблик, И.В.Фадеев, С.А.Агаян
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«ՏԵՐԵՐԻ ԼԱՅՆ ՍՊԵԿՏՐ-ՎԱՐԱԿՎԱԾՈՒԹՅԱՆ ԲԱՐՁՐ ԷԶՍԵՆՍԻՎՈՒԹՅՈՒՆ» ԿԱՊԻ ԲԱՑԱՀԱՅՏՈՒՄԸ

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**MIGRATORY BIRDS AS A TOOL TO COLONIZE NEW TERRITORIES FOR AVIAN
HAEMOSPORIDIANS**

S. A. Aghayan

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Статья

**PREVALENCE AND DIVERSITY OF AVIAN HAEMOSPORIDIAN PARASITE IN PHYLLOSCOPIDAE:
COMPARATIVE ANALYZES OF OUR AND PUBLISHED DATA**

S. A. Aghayan

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**Թռչունների արյան սպորավոր մակաբույծների բազմազանությունը և տարածվածությունը
Կովկասում**

Ս.Ա. Աղայան, Գ.Հ. Բոյախյան

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ЛАБОРАТОРНАЯ ОЦЕНКА МИКРОЭКОЛОГИЧЕСКОГО ДИСБАЛАНСА ТОЛСТОЙ КИШКИ

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