

# Տարգիս Ագասիևիչ Ագայան

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## Նախնական-ազգային ինստիտուտի բիոլոգի

Կենդանաբանության լաբորատորիա

Ведущий научный сотрудник

## 🌐 **Знание языков**

Հայերեն

## 🔬 **Научные интересы**

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

## 📖 **Публикации**

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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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### **How genomics can help biodiversity conservation**

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

Trends in Genetics 2023 549-559

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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

BMC biology 2023 1-20

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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,

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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,

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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,

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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,

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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,

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Mohammad Rostami-Nejad, Mitra Sharbat, Hossein Mirhendi, Malik Irshadullah, Francisco Ponce-Gordo,

Sami Simsek, Adriano Casulli, Houria Zait, Hripsime Atoyan, Mario Luiz de la Rue, Thomas Romig,

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**The era of reference genomes in conservation genomics**

Giulio Formenti, Kathrin Theissing, Carlos Ferna, Etc Etc Etc, Sargis A Aghayan, Etc. Etc,

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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**

Olof Hellgren, Victor Kelbskopf, Vincenzo A Ellis, Arif Ciloglu, Mélanie Duc, Xi Huang, Ricardo J Lopes,

Vanessa A Mata, Sargis A Aghayan, Abdullah Inci, Sergei V Drovetski

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

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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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**The First Report of Trichinella britovi in Armenia**

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**A systematic review of *Toxoplasma gondii* antigens to find the best vaccine candidates for immunization**

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**Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017**

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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**

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**Evidence of Crimean-Congo Haemorrhagic Fever Virus Occurrence in Ixodidae ticks of Armenia**

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Journal of Arthropod-Borne Diseases 2019 9-16

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

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Veterinary Parasitology 2019 21-31

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

Samira Dodangeh, Ahmad Daryani, Mehdi Sharif, Sargis A. Aghayan, Abdol Satar Pagheh, Shahabeddin Sarvi, Fatemeh Rezaei

European Journal of Clinical Microbiology and Infectious Diseases 2019 617-629

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**Relationship between toxoplasmosis and obsessive compulsive disorder: A systematic review and meta-analysis"**

Tooran Nayeri Chegeni, Shahabeddin Sarvi, Afsaneh Amouei, Mahmood Moosazadeh, Zahra Hosseininejad, Sargis A. Aghayan, Ahmad Daryani

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

Tooran Nayeri Chegeni, Mehdi Sharif, Shahabeddin Sarvi, Mahmood Moosazadeh, Mahbobeh Montazeri, Sargis A. Aghayan, Nader Jafari Balalami, Shirzad Gholami, Zahra Hosseininejad, Reza Saberi,

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

Fatemeh Rezaei, Mahdi Sharif, Shahabeddin Sarvi, Seyed Hossein Hejazi, Sargis Aghayan,

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

Reza Saberi, Mehdi Sharif, Shahabeddin Sarvi, Sargis A. Aghayan, Seyed Abdollah Hosseini, Davood Anvari, Tooran Nayeri Chegeni, Zahra Hosseininejad, Ahmad Daryani'  
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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***

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  
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**Alcohol use and burden for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016**

Max G Griswold, Nancy Fullman, Caitlin Hawley, Sargis Aghasi Aghayan, et al.  
The Lancet 2018 1-21

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**Determinants of avian malaria prevalence in mountainous Transcaucasia**

Hripsime A. Atoyan, Mariam Sargsyan, Hasmik Gevorgyan, Marko Rakovic, Igor Fadeev, Vahagn Muradyan, Ahmad Daryani, Mehdi Sharif, Sargis A. Aghayan  
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**Drug Resistance in *Toxoplasma Gondii***

Mahbobeh Montazeri, Saeed Mehrzadi, Mehdi Sharif, Shahabeddin Sarvi, Asal Tanzifi, Sargis A. Aghayan, Ahmad Daryani  
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**A test of the European Pleistocene Refugial Paradigm, using a Western Palearctic endemic bird species**

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**Global, Regional, and National Age-Sex-Specific Mortality and Life Expectancy, 1950-2017: A Systematic Analysis for the Global Burden of Disease Study 2017.**

Dicker Daniel, Grant Nguyen, Degu Abate, Kalkidan Hassen Abate, Solomon M Abay, Cristiana Abbafati, Nooshin Abbasi, Sargis A. Aghayan, et al.

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**Global, Regional, and National Incidence, Prevalence, and Years Lived with Disability for 354 Diseases and Injuries for 195 Countries and Territories, 1990–2017: A Systematic Analysis for the Global Burden of Disease Study 2017.**

James Spencer L, Degu Abate, Kalkidan Hassen Abate, Solomon M Abay, Cristiana Abbafati, Nooshin Abbasi, Hedayat Abbastabar, Sargis A. Aghayan, et al.

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**Measuring Progress from 1990 to 2017 and Projecting Attainment to 2030 of the Health-Related Sustainable Development Goals for 195 Countries and Territories: A Systematic Analysis for the Global Burden of Disease Study 2017.**

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**Population and Fertility by Age and Sex for 195 Countries and Territories, 1950–2017: A Systematic Analysis for the Global Burden of Disease Study 2017.**

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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 2017.**

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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, Hosseininejad Zahra, 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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**Статус зелёной пересмешки *Hippolais icterina* в Армении**

С.А.Агаян, В.Ю.Ананян, С.В.Дровецкий, Е.А.Коблик, И.В.Фадеев

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**Preliminary Report on Avian Malaria Infection in a Breeding Colony of the Lesser Kestrel in Armenia**

Aghayan S.A., Hovhannisyan Ts.S., Ghasabyan M.G., Drovetski S.V.

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**«ՏԵՐԵՐԻ ԼԱՅՆ ՍՊԵԿՏՐ-ՎԱՐԱԿԱԾՈՒԹՅԱՆ ԲԱՐՁՐ ԷԶՍԵՆՍԻՎՈՒԹՅՈՒՆ» ԿԱՊԻ ԲԱՅԱՀԱՅՏՈՒՄԸ ԿՈՎԿԱՍԻ ԵՐԿՈՒ ՆՍԱԿՅԱՑ ՏԵՍԱԿԻ ԹՈՂՈՒՆՆԵՐԻ ԼԵՅԿՈՑԻՏՈՂՈՆ ՑԵՂԻ ՄԱԿԱԲՈՒՅՆԵՐԻ ՄՈՏ Ս.Ա.ԱՂԱՅԱՆ**

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

S. A. Aghayan

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**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

ՀՀ ԳԱԱ զեկոլոյցներ 2012 211-218

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С.А. Агаян, А.М. Манвелян, М.А. Балаян, Э.С. Пепоян, А.З. Пепоян

Biological Journal of Armenia 2007 261-264

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**Determinants of avian malaria prevalence in Armenia**

Atoyan H., Sargsyan M., Aghayan S.A.

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**Prevalence of Cystic Echinococcosis Among Ruminants in Armenia**

Gevorgyan H., Aghayan S.A., Grigoryan G., Sagoyan J., Romig T.

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**WHICH AVIAN HAEMOSPORIDIA ARE BETTER COLONIZERS?**

Aghayan S.A, Atoyan H.A., Harvey J.A., Voelker G., Drovetski S.V.

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**Research advances in vaccines of Toxoplasma gondii based on microneme proteins (MICs): a systematic review**

Sarvi Sh, Dodangeh S, Daryani A, Sharif M, Aghayan S. A, Pagheh Abdol Satar

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Sargis A. Aghayan, Karen Aghababyan

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Raković M, Neto J, Lopes R, Collinson M, Koblik E, Fadeev I, Lohman Y, Aghayan S, Boano G, Pavia M, Perlman Y, Kiat Y, Ben Dov A, Voelker G, Drovetski S

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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, TEHMINA HARUTYUNYAN, SARGIS AGHAYAN, MIGUEL A. CARRETERO

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**The valorization of whey-based side-streams for microbial biomass, hydrogen and**

**hydrogenase enzyme production**

Anna Poladyan, Hayarpi Aghekyan, Ella Minasyan, Karen Trchounian, Ani Paloyan, Sargis Aghayan,  
Garabed Antranikian, Meri Iskandaryan, Diana Ghevondyan

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