



ARNOLD M. GEGECHKORI

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- **ACADEMIC STATUS, DEGREES:**

Full Professor, PhD

1957-1962. Georgian Institute of Agriculture. Specialization: agronomist (plant protection)

1964-1969. Tbilisi State University. Specialization: Philologist (Journalist)

1966. Georgian Agricultural Institute. PhD (Candidate of Science in biology)

1985. St. Petersburg's Zoological Institute. PhD (Doctor of Science in biology)

- **POSITION (PRINCIPAL):**

1989-2005. Head of the chair of zoology, faculty of biology. Tbilisi State University

2005-present. Head of the chair of biodiversity. Tbilisi State University, faculty of exact and natural sciences.

2011-present. Head of the Bachelor's program in "Ecology" Tbilisi State University, faculty of exact and natural sciences.

1970-2005. Head of the Department of Zoology, National Museum of Georgia

POSITION (SECONDARY):

2006-present. Scientific adviser in educational areas of National Museum of Georgia

- **RESEARCH INTERESTS:**

Psylloidea (Hemiptera, Psylloidea): fauna, biology, ecology, biogeography, evolution, applied entomology (pest species of psyllids). Historical biogeography (research of living organisms highlighting of origin and development), anthropology.

- **TEACHING INTERESTS:**

Zoology, historical biogeography, biomes of the earth, introduction to biology (origin and development of life during four billion years), ecology with paleoecological fundamentals, biological principles of ecology, zoology: evolution trends of animal kingdom.

- **FIELD SCIENTIFIC EXPEDITIONS:**

1962-1990. The main regions of the former USSR (the Caucasus, Middle Asia, Kazakhstan, Siberia, Russian Far East)

1995-1990. Anatolian Upland (Asia Minor)

1986-2003. New Zealand (both islands), Eastern Africa (Tanzania, Kenya, Uganda), Madagascar, the USA (3 states), Mexico (2 states), Peru, Ecuador, Philippines, Thailand, Oceania

2009. Hungary, Germany

2012. Islamic Republic of Iran (Gilan, Mazandaran, Golestan Provinces)

2017. Iberian Peninsula

- **FACULTY DEPARTMENTS LECTURES ARE DELIVERED:**

Department of Biology, Faculty of Exact and Natural Sciences, Tbilisi State University, department of Geography, biotechnology and applied sciences, medical faculty (2004-212)

- **CITATION INDEX: Quad Search (23 articles)**

h-index: 3

g-index: 3

- **GRANTS:**

1992-1993. G. Soros Grant – Caucasus Biodiversity.

1992-1993. Russian Academy of Sciences – Caucasus Biodiversity.

1996. International Ecological Grant – ISAR (co-director), ‘The Green University’.

2000-2003. Grant N13.19.02. – ‘To the study of some faunal groups (entomofauna, ichthyofauna) of the Caucasus highmountains ecosystems’, (scientific director and manager).

2003-2005. Grant N13.19.04 – ‘To the study of some faunal groups (entomofauna, psyllids, lepidoptera, hymenoptera, ichthyofauna) of territories adjacent to Baku-Supsa Pipeline passing the Colchic Lowland’.

2005-2006. International Grant – WWF, IUCN (scientific director and manager). Amazing Caucasus Hotspot – Book and Slides (Book – ‘Caucasus treasure of the nature’, 2007).

- **AWARDS:**

1985, 1994. Rewarded Golden Medal – ‘Guard of the Nature’

1998. State laureate prize winner of Georgia

1998. P. Melikishvili's prize – the highest scientific honour of Tbilisi State University
1998. J. Gogebashvili's 1-st prize – the highest educational honour of Georgia
1999, 2013. Order of Honour – the highest reward of Rep. Georgia
2000. I. Javakhishvili's medal – the highest reward of Tbilisi State University
2000-2001. International Man of the Year (IBC, Cambridge) with diploma and silver medal of honour

- **PROFESSIONAL SOCIETIES:**

1982-1991. Member of the Union of the Journalists of the USSR
1986-1991. Member of the Presidium of Entomological Society of the USSR
1994. Member of the Georgian Academy of Natural Sciences
2001-2003. Member of the 'Science and Society', NATO (associated member from Georgia)
2001-2003. President of International Society of Caucasus Environment (ISCE)
2002. Member of International Geographical Union (IGU)
2002. Member of National Geographic Union (USA)
2004-2005. Member of the Highest Attestation Commission (HAC) (Confirmation of PhD dissertation) of Academy of Science of Georgia, head of department of biology.
2007. Member of International Mire Conservation Group (IMCG)

- **UNIVERSITY SOCIETIES:**

2000-present. Member of the Representative Council (Senate), Ivane Javakhishvili Tbilisi State University

SCIENTIFIC-PEDAGOGICAL ACTIVITIES ABROAD:

Visiting Professor –

2000. Monash University, Melbourne, Australia;
2000, 2002-2003. The University of New South Wales (UNSW), Sydney, Australia;
2000. Auckland University, New Zealand;
2000-2003. University of Nairobi, Kenya
2009. Greifswald University, Germany.

Visiting Researcher –

2000. Californian Academy of Sciences, San-Francisco, USA;
2000. Australian Museum, Sydney;
2000. Mexico City Agronomical University, Mexico;
2000. Quito University, Ecuador;
2000. University of Dar es Salaam, Tanzania National Park, Tanzania;

* Three of the above listed universities are mentioned within the best 80 universities by 'University Ranking by Academic Performance'.

- **SUPERVISOR OF MS AND PHD STUDENTS:**

1. Didmanidze, E., 2002 – PhD
2. Mandaria, N., 1960 – PhD
3. Jibladze, D., 1978 – PhD
4. Ginturi, Z., 2006 – PhD
5. Fkhakadze V., 2006 – PhD
6. Chunashvili T., 2007 – Ms
7. Chubinidze M., 2008 – Ms
8. Qurkhuli T., 2009 – Ms
9. Merkviladze M., 2011 – Ms.

- **Member of Dissertation Council, Department of Biology, Ivane Javakhishvili Tbilisi State University**

http://www.tsu.edu.ge/data/file_db/zusti_sab_faculty_study_program/PhD.%20biologia%202012.pdf

PUBLICATIONS AND TEXTBOOKS:

- **Monographs:**
 - Gegechkori, A. M. 1976. Psyllids (Homoptera, Psylloidea) of Pshav-Khevsureti. ‘*Metsniereba*’ (Sc. Publ.), Tbilisi, 93 pp. (in Russian, with English summary).
 - Gegechkori, A. M. 1978. Psyllids of middle reaches of Aras River. ‘*Metsniereba*’ (Sc. Publ.), Tbilisi, 74 pp. (in Russian, with English summary).
 - Gegechkori, A. M. 1984a. Species composition and origin of psyllids (Homoptera, Psylloidea) of the Caucasus, PhD thesis (thesis of Doctor Habilitation; *Avtoreferat dissert. doct. biol.nauk*), Leningrad, 56pp. (in Russian).
 - Gegechkori, A. M. 1984b. Psyllids of the Caucasus. ‘*Metsniereba*’ (Sc. Publ.), Tbilisi, 291pp. (in Russian).
 - Gegechkori, A. M. 1985. Some aspects of evolution of psyllids ‘*Metsniereba*’ (Sc. Publ.), (world fauna). Tbilisi, 302pp. (in Russian, with English summary and contents).
 - Gegechkori, A. M. 1997. The ecologo-geographical peculiarities of psyllid (Homoptera, Psylloidea) fauna of the Caucasus. *Meridiani*, Tbilisi, 134pp. (in Russian, with English summary).
 - Gegechkori A., 2007. Caucasus – treasure of the nature (financial support by CEPF and WWF foundations). ‘*Meridiani*’. Tbilisi, 168pp. (in English and Georgian)
 - Gegechkori, Arn., 2008. Biogeography (Part I. The biomes of earth). *Tbilis. Univ. Publ.*

Tbilisi, 527 pp. (in Georgian).

- Gegechkori, A. M., Djibladze, D. S. 1976. Psyllids of Colchis. '*Metsniereba*' (Sc. Publ.), Tbilisi, 110 p. (in Russian, with English summary).
- Gegechkori, A. M., Loginova, M. M. 1990. Psyllids (Homoptera, Psylloidea) of the USSR (an annotated check-list), *Metsniereba*, Tbilisi, 162pp. (in Russian, with English summary).
- Gegechkori A. M., Joosten H. (Eds.) 2009. The Biomes of Caucasus, Greifswald, Germany (*Only for internal use*), 227pp. (in English).
- Gegechkori, A. M. 2015-2016. The biomes of the Caucasus Ecoregion and its two refugia: Colchis and Talysh (in press).
- Gegechkori, A. M. 2017. The biomes of the Caucasus: comprehensive analysis (in press).
- Gegechkori, A. M. 2018. The Caucasus Ecoregion: Colchis and Hyrcanian refugial centers, comparative analysis (in press).

- **Main articles:**

- Gegechkori, A. M. 1968. A new species of psyllids (Homoptera, Psylloidea) from Georgia. *Zoologich. Zhurn.*, 48:637-638. Moscow (in Russian).
- Gegechkori, A. M. 1977. New species of psyllids (Homoptera, Psylloidea) from the Caucasus. *Entomol. Obozr.* 56:93-98. Leningrad (in Russian).
- Gegechkori, A. M. 1980. New species of psyllids (Homoptera, Psylloidea) from the Caucasus. *Entomol. Obozr.* 59:811-818. Leningrad (in Russian).
- Gegechkori, A. M. 1981a. New genus and species of Psylloidea (Homoptera) from the Caucasus and Yugoslavia. *Zoologich. Zhurn.*, 50, 5:695-703. Moscow (in Russian).
- Gegechkori, A. M. 1981-1982. A new species of genus *Craspedolepta* (Homoptera, Psylloidea) from the Caucasus. *Trudy Zool. Inst. Akad. Nauk SSSR.* 105:53-56. Leningrad (in Russian).
- Gegechkori, A. M. 1984. Suborder jumping plant-lice –Psylloidea. In: Key to the pest and useful insects and mites of horticulture and berry plants of the USSR. *Kolos.* 57-69. Leningrad (in Russian).
- Gegechkori, A. M. 1989. A new species of psyllids (Homoptera, Psylloidea) from Kazakhstan. *Entomol. Obozr.* 62,2: 68-71. Leningrad (in Russian).
- Gegechkori, A. M. 1990. A new species of Psylloidea from Kazakhstan. *Entomol. Soc. of America, Entomol. Obozr.* (in Russian), (translation), USA, 68, 6, 79-81.
- Gegechkori A. M. 1991. The role of Middle Europe in the formation of psyllid fauna (Psyllinea) of Caucasus. *Proc. XII, Ent. Middle Europe Conf.*, Kiev, 531-543.
- Gueguechkori, A. M. 1998. Gènese de la faune des déserts L'exemple des Psyllides et des déserts. de l'ancien monde. *Orstom*, Paris. 103-115.
- Gegechkori, A. M. 2000a. Relicts and Endemics and Georgia's Biodiversity at the background of Caucasus Orogenesis. '*Biol. and Landsc. Diversity of Georgia*'. Tbilisi, 83-96 (in English and Georgian).

- Gegechkori, A. M. 2008. New pest of horticulture of Georgia. *Zashita Rastenii*, Moscow, #12 (in Russian).
- Gegechkori, Arn. 2009a., „Animal Kingdom in 'The knight in panther's skin'. In monography: 'About 'The knight in panther's skin", Vol. N2 (Ghvinjilia, N., Ed. In Chief), 'Sezani', Tbilisi, 230-246 pp. (in Georgian).
- Gegechkori, Arn. 2009b. „Countries mentioned in the poem 'The knight in panther's skin'. In monography: 'About 'The knight in the panther's skin", Vol. N2 (Ghvinjilia, N., Ed. In Chief), 'Sezani', Tbilisi, pp. 246-255.
- Gegechkori, A. M. 2010a. Pest psyllids (Hemiptera, Psylloidea) complex of horticulture (pear trees plantations) of Georgia and the ways to avoid interspecific competition among some species. *Annals of Agrarian Science*. 8, 4:11-15.
- Gegechkori A. M. 2011a. The two refugia of the South Caucasus, Colchis and Talysh: A comparative biogeographical analysis. UGI, Regional Geographic Conference, Santiago, Chile: pp.1-12.
- Gegechkori, A. M. 2011b. The results of Biogeographical study of Arcto-Tertiary refugia (Colchis and Talysh) of Southern Caucasus. *Annals of Agrarian Science*, 8,5:1-19.
- Gegechkori, A. M. 2012. Biogeography characteristics of Tertiary organisms of Talysh part (South Caucasus) of Hyrcanian refugium. *Annals of Agrarian Science*, 8,5:1-19.
- Gegechkori A., M., Didmanidze , E. 2015. Has ever *Brahmaea ledereri* Rogenhofer, 1873 inhabited the Colchis refugium? *American Journal of Environmental Protection, Science PG*, 4 (3-1): 82-92.
- Gegechkori A., M. 2015. The phenomenon of Blumenbach's "Caucasian race", Ivane Javakhishvili State University, Vakhushti Bagrationi Institute of Geography, Alexander Javakhishvili Geographical Society of Georgia, International Scientific Conference "Modern problems of Geography and Anthropology", in press.
- Arnold Gegechkori, 2017. Insular distribution of Goravan sands (Armenia) on the example of psyllid fauna (Hemiptera: Psylloidea) (in press).
- Arnold Gegechkori, 2017. Patterns of dwarfing of European yew (*Taxus baccata*) at the subalpine treeline ecotone with limestone ground in the Greater Caucasus (Georgia, the Caucasus) (in press).

- **Some Theses of International Conferences:**

- Gegechkori, A. M. 1998. Faunal relation between the Caucasus and Anatolian regions on the example of Psylloidea. *XXXII Congresso Societa di Biogeographia*. Roma: 16.
- Gegechkori, A. M. 2004a. Infiltration of the Eumediterranean fauna into Caucasus and its historical reasons. *Third Europ. Hemiptera Congress*. St.- Petersburg, p. 33.
- Gegechkori, A. M. 2004b. Comparative analysis of the xerophilous psyllid fauna (Psyllinae) of arid regions of the East Palearctic (Centr. Asia, Caucasus, Anatolia, Iran). *Third European Hemiptera Congress*. St-Petersburg, p. 34.

- Gegechkori, A. M. 2009a. Pear psyllid complex (Hemiptera: Sternorrhyncha: Psylloidea) of Georgia, with characterizing interspecific competition between *Cacopsylla pyri* (L.) and *C. bidens* (Šulc), comparatively new pest species for Georgia's horticulture. 5th European Hemiptera Congress, 31.08 – 4.09.2009, Valence, Hungary, p. 17.
- Gegechkori, A. M. 2009b. Faunal relations between the Caucasus and Iranian part of the Irano-Turanian region on the example of psyllids (Hemiptera: Sternorrhyncha: Psylloidea). *Fifth European Hemiptera Congress*. 31.08-4.09.2009. Velence, Hungary, p. 18.
- Gegechkori, A. M. 2011. The two refugia of the South Caucasus, Colchis and Talysh: A comparative biogeographical analysis. UGI, Regional Geographic Conference, Santiago, Chile. (acreditacion. fisa.cl/ugi/.../Gegechkori Arnold_20112324VO3ZVH_f.doc.)
- Gegechkori, A. M. 2014. Infiltration of the Eumediterranean fauna (Hemiptera: psylloidea) into Caucasus and its historical reasons (on the background of new materials). *The Second Scientific Conference in Exact and Natural Sciences*, TSU, Plenary Session. Tbilisi, 2014/03/02.
- Gegechkori A., M. 2015. The phenomenon of Blumenbach's "Caucasian race", Modern problems of geography and anthropology. Proceedings of International Conference Dedicated to the 140th Anniversary of Academician Alexandre Javakhishvili.
- Gegechkori, A. 2016. Various relict vegetation communities and closely allied to them animals of ancient origin of the Caucasus Ecoregion; Plenary talk. International Conference on Major Environmental Constraints to Plants: Assessment & Reclamations MECP-2016 Department of Botany, Government College University of Faisalabad, Pakistan, 28-30 March, 2016.
- Gegechkori, A. 2017. Patterns of Dwarfing of the European Yew (*Taxus baccata*) at the Subalpine Treeline Ecotone with Limestone Ground in the Greater Caucasus (Georgia, the Caucasus). 1st International Conference Smart Bio (ICSB 2017), May 18 to 20, 2017. Kaunas, Lithuania.
- Gegechkori, A. 2017. Psyllids (Hemiptera, Psylloidea) as phloem feeding pests of agriculture crops of the Caucasus. 3rd Hemipteran-Plant Interactions Symposium. Madrid. Spain. June 4-8, 2017.
- Gegechkori, A. 2017. Derivative forms of relict psyllid fauna (Hemiptera, Psylloidea) of the preglacial and postglacial biotas of the Caucasus. 3rd Hemipteran-Plant Interactions Symposium. Madrid. Spain. June 4-8, 2017.
- Gegechkori, A. 2017. The 'borealization' event of the Caucasus biota and its main stages in the Late Cenozoic. International Conference. "Landscape Dimensions of Sustainable Development: Science – Planning – Governance". Tbilisi, Georgia on 4-6 October.

- **Textbooks for high schools:**

- Gegechkori, Arn. 2008. Biogeography, biomes of the world' (part 1). *Tbilis. Univ. Publ.* Tbilisi. 521 pp. (in Georgian).
- Gegechkori, Arn., Shetekauri, Sh., Murvanidze, M. 2011. 'Biodiversity and Conservation'. *Tbilis. Univ. Publ.* Tbilisi. 225 pp. (in Georgian).

- **Monographs in anthropology:**

- Gegechkori, Arn., 2004. Human evolution, disappeared and tribal civilizations. *Tbilis. Univ. Publ.* Tbilisi. 325 pp. (in Georgian).

- **Monographs in philology:**

- Gegechkori, Arn., 2010. 'The knight in the panther's skin' from biogeographer's point of view'. *Meridiani*. 148pp. (in Georgian).

- **Monographs in pedagogical-educational sciences:**

- Arn. Gegechkori, 1998. 'Nature is creator', *Meridiani*, 525 pp.

- **Monographs in culturology:**

- Arn. Gegechkori, 2015. 'This is Georgia' (Book album), Bilingual – Georgian, English, *Meridiani*, 544 pp.

- **Translation activities:**

- James Watson, 'Double Helix' (The memories about invention of DNA structure), Translation from English by Arn. Gegechkori, 1980. *Ganatileba*, 172 pp. (in Georgian).

- **Scientific-popular activities:**

- Presented a Georgian TV programme 'Window through the nature' (1969-2000)
- About 700 articles published in leading media of Georgia
- Arn. Gegechkori, 1982. 'To the sources of thought', Tbilisi, *Nakaduli*, 293 pp.