



Prof. David Tarkhnishvili

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Ilia State University: Institute of Ecology (director), head of the research program of quantitative ecology; School of Natural Sciences and Engineering (dean).

Biographic sketch: graduated from Tbilisi State University (Biology, zoology) (1982). PhD in Ecology from Research Inst. of Ecology, Ural Sci. Center at Sverdlovsk (pres. Ekaterinsburg), Russia, 1987. Research – interspecific competition of amphibians. Work experience – Tbilisi State University, Vietnam Tropical Center (1990), Bangor University, UK (1996-1997, post-doctoral fellow), Zoological Research Institute and Museum Al. Koenig, Bonn, Germany (1998; 1999-2003; post-doctoral fellow, researcher). Studies mostly in ecology, biogeography, population genetics and evolution of amphibians and reptiles. Over 100 published research papers. At Ilia State since 2006, employed as a dean of the school of Life Sciences, director of the Institute of Ecology, and dean of the School of Science and Engineering.

Research Interests: evolutionary biology, speciation, population ecology and genetics, ecological modeling, biogeography, human population genetics, Caucasus. Amphibians and reptiles were the main research object for many years, however, in recent years the projects are on different organisms, including conifer plants, lizards, snails, domestic animals, and humans.

Classes: an introductory course “Evolution – From Darwin to Present: Facts and Theories”; BSc course “Essentials of Ecology”, “Statistics for Biologists” (MSc) and “Population Ecology and Genetics” (MSc) BSc and MSc, taught within BSc and MSc courses in Biology and Ecology

Publications (last 5 years)

Gabelaia, M., **Tarkhnishvili, D.**, Murtskhvaladze, M. 2015. Phylogeography and morphological variation in a narrowly distributed Caucasian rock lizard, *Darevskia mixta*. *Amphibia-Reptilia* 36: 45-54

Tarkhnishvili, D., Gavashelishvili, A., Murtskhvaladze, M., Gabelaia, M., Tevzadze, G. 2014. Human Paternal Lineages, Languages and Environment in the Caucasus. *Human Biology* 86: 113-130

Kopaliani N., Shakarashvili M., Gurielidze Z., Qurkhuli T. & **Tarkhnishvili, D.** 2014. Gene flow between wolf and shepherd dog populations in Georgia (Caucasus). *Journal of Heredity* doi:10.1093/jhered/esu014

- Tarkhnishvili, D.** 2014. Historical Biogeography of the Caucasus. Nova Science Publishers, Hauppauge (NY)
- Tarkhnishvili, D.** 2014. *Rana macrocnemis* (Boulenger, 1885)–Kleinasiatischer Braunfrosch. Pp. 263-293 In: Grossenbacher, K. (ed.), Handbuch der Reptilien und Amphibien Europas, V. 5. AULA-verlag, Wiebelsheim.
- Tarkhnishvili D.,** Murtskhvaladze M., Gavashelishvili A. 2013. Speciation in Caucasian lizards: climatic dissimilarity of the habitats is more important than isolation time. *Biological Journal of the Linnean Society* 109 (4): 876-892.
- Mumladze L., **Tarkhnishvili D.,** Murtskhvaladze M. 2013. Systematics and evolutionary history of large endemic snails from the Caucasus (*Helix buchii*, *H. goderdziana*). *American Malacological Bulletin* 31 (2): 225-234.
- Murtskhvaladze M, Gurielidze Z, Kopaliani N, **Tarkhnishvili D.** 2012. Gene introgression between *Gazella subguturosa* and *G. marica*: limitations of maternal inheritance analysis for species identification with conservation purposes. *Acta Theriologica* 57 (4): 383-386.
- Tarkhnishvili, D.** 2012. Evolutionary History, Habitats, Diversification, and Speciation in Caucasian Rock Lizards. Pp. 79-120 In: Advances in Zoology Research, Volume 2 (ed. Jenkins OP), Nova Science Publishers, Hauppauge (NY)
- Tarkhnishvili, D,** Gavashelishvili, A., Mumladze, L. 2012. Palaeoclimatic models help to understand current distribution of Caucasian forest species. *Biological Journal of the Linnean Society*, 105, 231-248.
- Pokryszko, BA, Cameron RAD, Mumladze L, **Tarkhnishvili D.** 2011. Forest snail faunas from Georgian Transcaucasia: patterns of diversity in a Pleistocene refugium. *Biological Journal of the Linnean Society*, 102, 239-250
- Tarkhnishvili D,** Gavashelishvili A, Avaliani A, Murtskhvaladze M, Mumladze L. 2010. Unisexual rock lizard might be outcompeting its bisexual progenitors in the Caucasus. *Biological Journal of the Linnean Society* 101, 447-460
- Murtskhvaladze M, Gavashelishvili A, **Tarkhnishvili D.** 2010. Geographic and genetic boundaries of brown bear (*Ursus arctos*) population in the Caucasus. *Molecular Ecology*, 19, 1829-1841