

## Resume

Name	Mr. Ioseb NATRADZE
E-mail	ioseb.natradze@iliauni.edu.ge;
Education	<ul style="list-style-type: none"> <li>1999-2002: Institute of Zoology, Academy of Sciences of Georgia, post graduate study courses</li> <li>1992-98: Tbilisi Independent University, Faculty of Biomedical Ecological Genetics.</li> </ul>
Professional Experience	
2006 - present	<p>Institute of Zoology of Ilia State University of Georgia</p> <p>Position: Assistant researcher</p> <ul style="list-style-type: none"> <li>2019 – present: Current situation of fauna in Georgia, status and challenges of conservation</li> <li>2018 – Present: Understanding the Risk of Bat-borne Zoonotic Disease Emergence in Western Asia, in cooperation with NCDC Georgia.</li> <li>2017 – present: International Conservation of the isolated Transcaucasian Eurasian Crane (<i>Grus grus archibaldi</i>) in cooperation with Kranichschutz Deutschland</li> <li>2015 – present: Diversity, monitoring and bio-control of animals in natural and agricultural ecosystems of Georgia</li> <li>2017 - Assessment of the feasibility of a World Heritage nomination of the Colchic Forests and Wetlands cluster under the natural criteria, Bats component</li> <li>2015 - Assessment of the feasibility of a World Heritage nomination of the Central Caucasus cluster under the natural criteria, Bats component</li> <li>2013-2015: "Emerging zoonotic pathogens in Georgian bats". Funding organization- ISTC- International Science and Technology Center</li> <li>2011-2015: Spatiotemporal genetic population structure of a social host and its two ecto-parasites throughout the host's range in Europe and the Caucasus; (Institute of Zoology, University of Greifswald (Germany); Institute of Zoology of Georgia, Ilia State University (Georgia); Laboratory of Vertebrates, Institute of Ecology of Mountain Territories, Kabardino-Balkarian Scientific Centre of RAS (Nalchik-Russia)).</li> <li>2013 – Influence of Climate Change and Anthropogenic factors on Biodiversity of South Georgia (Javakheti Plateau, Khrami Valley and Trialeti Pass).</li> <li>2009 – 2011: The current status of biodiversity of the vertebrate animals in mountain regions (Great Caucasus) of Eastern Georgia; Funded by GNSF foundation.</li> <li>2008 – 2011: Faunal List and Register of Adjara; Funded by GNSF foundation.</li> <li>2006-2008: ``Ecology, behaviour and population genetics of the forest living Bechstein's bat (<i>Myotis bechsteinii</i>) in two glacial refuges: South-Eastern Europe and the Caucasus`` together with colleagues from Switzerland (Zoological Institute University of Zurich), Bulgaria (National Museum of Natural History, Sofia), Russia (Institute of Ecology of Mountain Territories, Krasnodar), Serbia (University of Novi Sad, Faculty of Biology, Novi Sad).</li> </ul>
2003 – present	<p>CAMPESTER - Field Researchers Union; Position: Zoologist</p> <ul style="list-style-type: none"> <li>2019: Preparation of Management Plan for the Ghliana Cave Emerald Site</li> <li>2018-2019: Assessment of Potential Impact on <i>Chiroptera</i> from the Construction and Operation of Wind Power Plant in Tkibuli Municipality</li> <li>2018-2019: Assessment of Potential Impact on <i>Chiroptera</i> from the Construction and Operation of Wind Power Plant close city Kutaisi</li> </ul>

- 2018-2019: Assessment of Potential Impact on *Chiroptera* from the Construction and Operation of Wind Power Plant close to Didi Plevi village of Khashuri Municipality
- 2018-2019: Assessment of Potential Impact on *Chiroptera* from the Construction and Operation of Wind Power Plant close in Kaspi Municipality
- 2018-2019: Assessment of Potential Impact on *Chiroptera* from the Construction and Operation of Wind Power Plant close to Tbilisi
- 2018: Assessment of Potential Impact on *Chiroptera* from the Construction and Operation of Wind Power Plant close to village Didi Lilo
- 2018: Feasibility study on extension of Javakheti National park.
- 2017: Samegrelo planning protected area; Zoological component
- 2016-2017: EIA of Anaklia Deep Sea Port Project: Chiroptera component.
- 2016-2017: Chiroptera species survey for Imerei Wind Power Plant project.
- 2016: Erusheti planning protected area; Zoological component
- 2016: Racha planning protected area; Zoological component
- 2015, 2018: Chiroptera species survey for Project - Environmental and Social Impact Assessment (ESIA) for Shah Deniz Gas Pipeline Expansion Project (SCPX), AZERBAIJAN
- 2015-2019: Biodiversity monitoring program: Faunal component – BTC / SCP Pipeline Projects, GEORGIA
- 2011, 2014, 2015: Zoological survey for project - Environmental and Social Impact Assessment (ESIA) for Shah Deniz Gas Pipeline Expansion Project (SCPX), GEORGIA
- 2014: National Monitoring Program – Chiroptera species
- 2011, 2015: Zoological survey for project - ESIA for Western Route Export Pipeline (WREP) Sectional Replacement Project, Georgia
- 2006-2008: Development and capacity building of bat monitoring network in the Caucasus
- 2006: ``Sustainable Bat Conservation in Caucasus Mountain Regions``. The project is implemented in close cooperation with colleagues from Romania (Foundation for School), Poland (Museum and Institute of Zoology), The Netherlands (Society for Study and Conservation of Mammals), and Armenia (Institute of Zoology, Armenian Academy of Science).
- 2005: Elaboration of the Conservation Management Plan for ``Davit Gareji Complex`` situated in the South-Eastern part of Georgia
- 2004: Bat Conservation Workshop in Georgia;
- 2004: Elaboration of the Conservation Management Plan for Alazani Floodplain Forest
- 2003-2008: Zoological (mammals) monitoring of the Baku-Tbilisi-Ceihan BP pipeline
- 2003: Protected Areas Development Project, Consultant for biodiversity (mammals) study in Central Caucasus, Ambrolauri district. 2002 Until present: Preservation of Small Mammals as a Key Species for Sustainability of biodiversity. Position: Consultant
- 2001: Dr. A. Bukhnikashvili's - President of the Field Researchers' Union – Campester individual project, granted The John D. and Catherine T. MacArthur Foundation
- 2001: Treats to mammals biodiversity caused by construction of Baku-Supsa Pipeline and proposals for rehabilitation of damaged ecosystems. Position: Researcher

1995-2003	NACRES – Centre for Biodiversity Conservation and Research
	<ul style="list-style-type: none"> <li>• 2001-2003 Spring-Autumn: BPC project, ESIA phase II. Zoological studies</li> <li>• 1999-2002: Arid and Semi-Arid Ecosystems Conservation in the Caucasus. Position: Researcher (Granted by UNDP-GEF)</li> <li>• 1999-2000: Conservation of Javakheti Plateau Wetlands in Southern Georgia. Position: Researcher (Granted Ramsar Small Grants Fund)</li> <li>• 1998-99: Endangered Mammal Species Monitoring in the Reserves of Georgia. Position: Researcher (Supported by WWF Switzerland)</li> <li>• 1998-2002: Position: Assistant to the Scientific Supervisor</li> <li>• 1996-97: Assessment research of brown bear in Georgia</li> <li>• Position: Volunteer (Supported by the World Society for the Protection of Animals - UK)</li> <li>• 1996: Assessment research of striped hyena; Position: Volunteer</li> <li>• (Supported by Fauna &amp; Flora International -UK)</li> </ul>
Attendance to the Workshops and meetings	<ul style="list-style-type: none"> <li>• 2019: 18th International Bat Research Conference, Phuket, Thailand</li> <li>• 2019: IUCN Regional Conservation Forum for Europe, North &amp; Central Asia 1-3 July, Rotterdam, Netherlands.</li> <li>• 2018, 2019: Western Asia Bat Research Network (WAB-Net) Annual meeting</li> <li>• 2018: First International Conference Bats of Eastern Europe: challenges for Conservation. Yerevan, 25-28 October.</li> <li>• 2017: 14th European Bat Research Symposium. Donostia, the Basque country, 1-5 August.</li> <li>• 2017: 5th International Berlin Bat Meeting (24-26 February 2017)</li> <li>• 2016: 17th International Bat Research Conference, Durban, South Africa.</li> <li>• 2015: IUCN Regional Conservation Forum for Europe, North &amp; Central Asia 14–16 December. Helsinki, Finland</li> <li>• 2012; 2016 - IUCN World Conservation Congress.</li> <li>• 2003, 2006; 2010, 2014, 2018: Conference of Parties of “The Agreement on the Conservation of Populations of European bats (EUROBATS)”</li> <li>• 2002 - 2019: Advisory Committee Meeting of “The Agreement on the Conservation of Populations of European bats (EUROBATS)”</li> <li>• 2009; Summer school in ecology and biodiversity. Mammal Research Institute Polish Academy of Sciences – Białowieża</li> <li>• 2001: CITES First European Animal Committee Meeting</li> <li>• 2000; 2004; 2006 Bat Detector training workshops</li> </ul>
Publications	<ol style="list-style-type: none"> <li>1. Joseph R. Hoyt, Kate E. Langwig , Keping Sun, Katy L. Parise, Aoqiang Li, Yujuan Wang, Xiaobin Huang, Lisa Worledge, Helen Miller, J. Paul White, Heather M. Kaaraaka, Jennifer A. Redell, Tamas Gorfol, Sandor Boldogh, Dai Fukui, Muneki Sakuyama, Syuuji Yachimori, Akiyoshi Sato, Munkhnast Dalanast, Ariunbold Jargalsaiken, Nyambayar Batbayar, Yossi Yovel, Eran Michael, Ioseb Natradze, Winifred F. Frick, Jeffrey T. Foster, Jiang Fengand A. Marm Kilpatrick. Global Host and Pathogen Dynamics of White-nose Syndrome. 18th International Bat Research Conference, Phuket, Thailand</li> <li>2. Distribution of barbastelle (<i>Barbastella barbastellus</i>) in Georgia. First International Conference Bats of Eastern Europe: challenges for Conservation. Yerevan, 25-28 October</li> </ol>

3. J. van Schaik, D. Dekeukeleire, S. Gazaryan, I. Natradze, G. Kerth. Comparative phylogeography of a vulnerable bat and its ectoparasite reveals dispersal of a non-mobile parasite among distinct evolutionarily significant units of the host. *Conservation Genetics* · November 2017. DOI: 10.1007/s10592-017-1024-9
4. Gazaryan S.V., Natradze I., Bukhnikashvili A. First Records of *Tadarida Teniotis* In Georgia. 14th European Bat Research Symposium, Donostia, Spain, 1-5 August 2017
5. Natradze I., Bukhnikashvili A. Acoustic Surveys in the Western South Caucasus (Georgia) Imply Seasonal Bat Migrations. 14th European Bat Research Symposium, Donostia, Spain, 1-5 August 2017
6. Bai Y, Urushadze L, Osikowicz L, McKee C, Kuzmin I, Kandaurov A, Babuadze G, Natradze I, Imnadze I, Kosoy M. (2017) Molecular Survey of Bacterial Zoonotic Agents in Bats from the Country of Georgia (Caucasus). *PLoS ONE* 12(1): e0171175.doi:10.1371/journal.pone.017117
7. Ioseb Natradze, S. Gazaryan, A. Bukhnikashvili, A. Kandaurov, Lela Urushadze, D. Putkaradze. Challenges of bat research and conservation in Georgia; 17th International Bat Research Conference, Durban, South Africa.
8. Davit Putkaradze, Lela Urushadze, A Velasco-Villa, Ioseb Natradze, Paata Imnadze. Approaches for sampling and diversity of bats during a survey for emerging zoonotic pathogens in Georgia. 17th International Bat Research Conference, Durban, South Africa.
9. Lela Urushadze, George Babuadze, M. Kosoy, A. Velasco-Villa, I. Kuzmin, I. Natradze, D. Putkaradze, P. Imnadze. Overview of disease ecology in Georgian bats.
10. Urushadze L., Velasco-Villa A., Machabishvili A., Natradze I., Putkaradze D., Imnadze. Bat diversity during Survey for Emerging Zoonotic Pathogens in the Country of Georgia. 17th International Bat Research Conference, Durban, South Africa.
11. Urushadze L., Kutateladze T., Dgebuadze M., Natradze I., Velasco Villa A. 2015. Study of Georgian Bats on Reemerging Lyssavirus by DFA testing
12. L. Urushadze, G Babuadze, A. Velasco-Villa, A. Machabishvili, I. Natradze, D. Putkaradze, Paata Imnadze. First study for emerging Zoonotic Coronavirus in Georgian Bats.
13. Bukhnikashvili A, Kandaurov A, Natradze I, 2015; Current status of mammals in Guria. // Proceedings of Institute of Zoology "Ustari" Tbilisi XXIV: 65-95.
14. Bukhnikashvili A., Abuladze A., Edisherashvili G., Kandaurov A., Bekoshvili D., Natradze I., 2013; Terrestrial Mammals of Borbalo Mountain Mass and its Conservation. Tbilisi; 58pp
15. Bukhnikashvili A., Beltadze N. (Eds.) 2012 Register of the Adjara Fauna. Tbilisi, 07
16. Bukhnikashvili A., Beltadze N. (Eds.), 2012; The Faunal List of Adjara. Tbilisi, 261
17. Kvavadze E., Murvanidze M., Arabuli T., Bagathuria N., Bukhnikashvili A., Natradze I., Edisherashvili G. 2010; The Impact of Military Conflict Caused Fires on Animal Populations of Coniferous and Mixed Forests; Conference Proceedings. Edit Sanchez Bengoa D., Powell David: 121-131.
18. Bukhnikashvili A., Gazaryan S., Kandaurov A., Natradze I., Rakhmatulina I., Yavruyan E. 2009; Current Status of Chiroptera Conservation in the Caucasus.
19. Bukhnikashvili A., Natradze I. 2008; Geoffroy's Bat (*Myotis emarginatus*) in Georgia. Present Status of the Species; Proceedings of the Institute of Zoology. "Metsniereba", Tbilisi, Vol. XXIII: 177-179

	<p>20. Yavruyan E., Rakhmatulina I., Bukhnikashvili A., Kandaurov A., Natradze I., Gazaryan S. 2008; Bats Conservation Action Plan for the Caucasus; Publ. Universal, Tbilisi: 87 pp</p> <p>21. Bukhnikashvili A., Kandaurov A., Natradze I. 2008; Bats Conservation Action Plan for Georgia; Publ. Universal, Tbilisi: 102 pp.</p> <p>22. Gazaryan S., Bukhnikashvili A., Kandaurov A., Natradze I. 2008; New Status of the <i>Myotis daubentonii</i> in the Caucasus; Abstracts of the XI-th European Bat Research Symposium, Cluj-Napoca, Romania 50 p.</p> <p>23. Bukhnikashvili A.K., Natradze I.M., Kandaurov A.S. 2007; Otter (<i>Lutra lutra</i>) in Georgia - 1996 -2006; Col. "Mautain Territory Mammals", eds. V.V. Rozhnov and F.A. Tembotova. Int. Conf. 13-18 august 2007, M.: 56-60 (Russian)</p> <p>24. Ghazaryan Astghik, Zoltan Nagy, Tomasz Postawa, Eduard Yavruyan, George Papov, Alexandr Bukhnikashvili, and Ioseb Natradze. 2006; Sustainable Bat Conservation in Caucasus Mountain Region; Society for Conservation Biology, San Jose, California, USA: 15.</p> <p>25. A Bukhnikashvili, A Kandaurov, I Natradze 2004; Records of Bats in Georgia over the last 140 years (Russian); "Plecotus" M, № 7: 41-57</p> <p>26. I. Natradze; A. Bukhnikashvili, A. Kandaurov 2003; New findings in bats distribution in Georgia; Conservation of Arid and Semi-arid Ecosystems in the Caucasus. Proceedings of articles</p> <p>27. A Bukhnikashvili, J Natradze, A Kandaurov 2002; Bats of natural and artificial caves of Georgia; IX-th European Bat Research Symposium</p>
Languages	Georgian (native), Russian (fluent), English (good)
Membership	<ul style="list-style-type: none"> <li>• IUCN Chiroptera Specialist Group</li> <li>• Scientific focal-point/contact person of the Agreement on the Conservation of Populations of European Bats (EUROBATS) in Country of Georgia.</li> <li>• Western Asia Bat Research Network: WAB-Net</li> </ul>