

## CV

### 1. Surname

### Name

Levan	Mumladze
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### 2. Personal and Contact information

Citizenship: Georgian

Personal E-mail address: [lmumladze@gmail.com](mailto:lmumladze@gmail.com)

Work E-mail address: [levan.mumladze@iliauni.edu.ge](mailto:levan.mumladze@iliauni.edu.ge)

### 3. Work experience <sup>2</sup>

Work Period	From - 2019 to – to date
Employer	Ilia State university
Address of Employer	K. Cholkashvili st. 3/5, Tbilisi, Georgia, 0162
Position	Director of the Institute of Zoolgy
Duties and Responsibilities	Management of the research institute

Work Period	From 2018 to – to date
Employer	Ilia State university
Address of Employer	K. Cholkashvili st. 3/5, Tbilisi, Georgia, 0162
Position	Professor associate
Duties and Responsibilities	Research, teaching

Work Period	From - 2015 to - 2018
Employer	Ilia State university
Address of Employer	K. Cholkashvili st. 3/5, Tbilisi, Georgia, 0162
Position	Professor assistant
Duties and Responsibilities	Research, teaching

Work Period	From - 2010 to - 2015
Employer	Ilia State university
Address of Employer	K. Cholkashvili st. 3/5, Tbilisi, Georgia, 0162
Position	Researcher
Duties and Responsibilities	Research

Work Period	From - 2006 to - 2010
Employer	Ilia State university
Address of Employer	K. Cholkashvili st. 3/5, Tbilisi, Georgia, 0162
Position	Dean Assistant, Faculty of Life Sciences
Duties and Responsibilities	Administration

Work Period	From - 2003 to - 2009
Employer	Institute of Zoology of Georgian National Academy of Sciences
Address of Employer	Chavchavaze 31
Position	Lab assistant
Duties and Responsibilities	Assistance

#### **4. Educational and scientific degrees**

Date	From - 2007 to - 2013
Institution(Faculty)	Faculty of Life Sciences, Ilia State University
Specialty	Life Sciences
Diploma/Certificate №	000037
Qualification	Doctor of Philosophy in Life Sciences
Dissertation Title	Diversity and Distribution of Terrestrial Molluscs of Georgia

Date	From - 2005 to - 2006
Institution(Faculty)	Iv. Javakishvili State University, Faculty of Exact and Natural Sciences
Specialty	Biology
Diploma/Certificate №	000142
Qualification	Master of Science in Biology

Date	From - 2001 to - 2004
Institution (Faculty)	Iv. Javakishvili State University, Faculty of Biology
Specialty	Bachelor of Biology
Diploma/Certificate №	11722
Qualification	Teacher of Biology and Chemistry

**5. Additional educational courses/trainings**

**6. Research papers published.**

Appendix 1.

**7. Participation in scientific conferences .**

Appendix 2.

**8. Grants received from scientific projects .**

Appendix 3.

**9. Lecture courses conducted at Georgian and foreign Universities .**

Course name	University
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N089 Quantitative Analyses of Biodiversity (MSc 2023-2024)	Ilia State University
S839 Academic writing (MSc 2023-2024)	Ilia State University
U603 R and Elementary Statistics fo Ecologists (MSc 2022-2023)	Ilia State University
Q741 Field and Laboratory Practice in Ecology 2 (BSc 2021-2022)	Ilia State University
T752 Taxonomic, Molecular, and Geophysical Drivers of Biodiversity (and biodiversity research) in the Caucasus (MSc 2021-2022)	Ilia State University
B938 Statistics for Biologists (MSc 2021-2022)	Ilia State University
N089 Quantitative Analyses of Biodiversity (MSc 2021-2022)	Ilia State University
S839 Academic writing (MSc 2021-2022)	Ilia State University
Q740 Field and Laboratory Practice in Ecology 2 (BSc 2021-2022)	Ilia State University

#### 10. Computer programs

MS Office (word, excel, powerpoint)	
R, MorphoJ, Estimates, CANOCO, SPSS, PAST	
Access, Mendeley, DiversityWorkbench	
QGIS, ArcGIS, MegaX	
Photoshop, ImageJ, Adobe InDesign	

#### 11. language skills (write in the appropriate boxes: native, C1, B2, B1, A2)

Language	Reading	Writing	Listening	Speaking
Georgian	Native	Native	Native	Native

Inglisuri	C1	B2	B2	B2
Russian	A2	-	A2	-
Spanish	A1	A1	A1	A1

**12. The additional information you would like to provide us.**

Editor in Chief of the Journal Caucasiana - (<https://caucasiana.pensoft.net/about>)

101. Arabuli, L., Murvanidze, L., Faltynkova, A., Mumladze, L., 2024. Checklist of digeneans (Platyhelminthes, Trematoda, Digenea) of Georgia. *Biodivers. Data J.* 12, e110201. <https://doi.org/10.3897/BDJ.12.e110201>
100. Berchi, G.M., Copilaş-Ciocianu, D., Kment, P., Mumladze, L., 2023. Water bugs (Heteroptera: Gerromorpha, Nepomorpha) of the Caucasus ecoregion. *Eur. Zool. J.* 90, 167–192. <https://doi.org/10.1080/24750263.2023.2174190>
99. Beridze, T., Japoshvili, B., Edisherashvili, T., Anderson, C., Mumladze, L., 2023. Fish diversity assessed by eDNA detection methods in the Rioni River. *Metabarcoding and Metagenomics* 7, 247–262. <https://doi.org/10.3897/mbmg.7.96780>
98. Bláha, M., Patoka, J., Policar, T., Šliwińska, K., Alekhovich, A., Berezina, N., Petrescu, A.-M., Mumladze, L., Weiperth, A., Jelic, M., Kozák, P., Maguire, I., 2023. Phylogeographic patterns of genetic diversity in *Pontastacus leptodactylus* (Decapoda: Astacidae): is the hypothesis of the taxonomically rich genus *Pontastacus* true? *Zool. J. Linn. Soc.* 199, 140–155. <https://doi.org/10.1093/zoolinnean/zlad025>
97. Chertoprud, E., Grego, J., Mumladze, L., Hofman, S., Palatov, D., Osikowski, A., Jaszczyńska, A., Falniowski, A., 2023. Revealing the Stygobiotic and Crenobiotic Molluscan Diversity in the Caucasus: Part IV — Crenobiotic *Belgrandiellinae* Radoman, 1983 (Mollusca, Hydrobiidae) from Georgia. *Diversity* 15, 450. <https://doi.org/https://doi.org/10.3390/d15030450>
96. Epatashvili, G., Japoshvili, B., Mumladze, L., 2023. New records and range expansions of invasive fish species in Georgia. *BioInvasions Rec.* 12, 1111–1120. <https://doi.org/10.3391/bir.2023.12.4.23>
95. Epatashvili, G., Japoshvili, B., Mumladze, L., 2023. *Ponticola alasanicus* sp. n. (Gobiiformes, Gobiidae) from the Alazani River Basin, Georgia. *Biodivers. Data J.* 11, 1–19. <https://doi.org/10.3897/BDJ.11.e101095>
94. Frédéric, R., Eveline, P., Agnès, B., Japoshvili, B., Mumladze, L., 2023. Diatom endemism and taxonomic turnover: Assessment in high-altitude alpine lakes covering a large geographical range. *Sci. Total Environ.* 161970. <https://doi.org/10.1016/j.scitotenv.2023.161970>
93. Memishishi, A., Bikashvili, A., Japoshvili, B., Mumladze, L., 2023. The record of *Ametropus fragilis* Albarda, 1878 (Ephemeroptera, Ametropodidae) from Georgia. *Caucasiana* 2, 77–82. <https://doi.org/10.3897/caucasiana.2.e102622>
92. Mumladze, L., Grego, J., Szekeres, M., 2023. The land snail family Clausiliidae (Gastropoda, Pulmonata, Stylommatophora) in Georgia: overview, novel records and a new species. *Caucasiana* 2, 29–61. <https://doi.org/10.3897/caucasiana.2.e101013>
91. Mumladze, L., Shetekaur, S., Barnaveli, N., Chelidze, D., Asanidze, Z., 2023. Species elevational richness gradient and species-area relationship in mountain vegetation of Javakheti highland (Georgia). *Caucasiana* 2, 127–135. <https://doi.org/10.3897/caucasiana.2.e103599>
90. Murvanidze, M., Todria, N., Maraun, M., Mumladze, L., 2023. Annotated checklist of Georgian oribatid mites - II. *Zootaxa* 5227, 50–62. <https://doi.org/https://doi.org/10.11646/zootaxa.5227.1.2>
89. Natradze, I., Buknikashvili, A., Sheklashvili, G., Mumladze, L., 2023. Bats of Georgia - an occurrence dataset from 1835 through 2022. *Biodivers. Data J.* 11, 1–12. <https://doi.org/10.3897/BDJ.11.E103181>
88. Páll-Gergely, B., Mumladze, L., Grego, J., Giokas, S., 2023. The genus *Acicula* W. Hartmann, 1821 in the Caucasus (Gastropoda: Caenogastropoda: Aciculidae). *Zootaxa* 5239, 451–476. <https://doi.org/10.11646/zootaxa.5239.4.1>
87. Pešić, V., Mumladze, L., Zawal, A., 2023. New records and first DNA barcodes of water mites (Acari, Hydrachnidia) from Georgia. *Ecol. Montenegrina* 67, 91–100. <https://doi.org/https://dx.doi.org/10.37828/em.2023.67.11>
86. Seropian, A., Arsenashvili, E., Bulbulashvili, N., Japaridze, L., Zukakishvili, A., Japarashvili, S., Memishishi, A., Mumladze, L., 2023. The first DNA-assisted record of *Hemelytrobllatta livida* (Blattodea: Corydiidae) from Georgia with notes on Corydiinae species composition in the Caucasus. *Caucasiana* 2, 71–75. <https://doi.org/10.3897/caucasiana.2.e103189>

85. Seropian, A., Arsenashvili, E., Bulbulashvili, N., Shubashishvili, A., Iankoshvili, G., Todua, M., Ananiashvili, A., Japarashvili, S., Chkhartishvili, T., Memishishi, A., Balkhamishvili, S., Chitadze, B., Karalashvili, E., Mumladze, L., Hein, N., Rulik, B., 2023. Into the unknown: the first barcode-assisted checklist of Psocoptera (Insecta, Psocodea) of Georgia with a census on country species richness. *Zookeys* 1168, 77–105. <https://doi.org/10.3897/zookeys.1168.103666>
84. Bikashvili, A., Kachlishvili, N., Japoshvili, B., Mumladze, L., 2022. Species diversity and DNA barcode library of freshwater Molluscs of South Caucasus. *Biodivers. Data J.* 10, 1–24. <https://doi.org/10.3897/BDJ.10.e84887>
83. Maasri, A. et al. 2022. A global agenda for advancing freshwater biodiversity research. *Ecol. Lett.* 1–9. <https://doi.org/10.1111/ele.13931>
82. Mumladze, L., Kuljanishvili, T., Japoshvili, B., Epitashvili, G., Kalous, L., Vilizzi, L., Piria, M., 2022. Risk of invasiveness of non-native fishes in the South Caucasus biodiversity and geopolitical hotspot. *NeoBiota* 76, 109–133. <https://doi.org/10.3897/neobiota.76.82776>
81. Neiber, M.T., Walther, F., Kijashko, P. V, Mumladze, L., Hausdorf, B., 2022. The role of Anatolia in the origin of the Caucasus biodiversity hotspot illustrated by land snails in the genus *Oxychilus*. *Cladistics* 38, 83–102. <https://doi.org/10.1111/cla.12479>
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79. Vilizzi, L. et al. 2022. Development and application of a multilingual electronic decision-support tool for risk screening non-native terrestrial animals under current and future climate conditions. *NeoBiota* 76, 211–236. <https://doi.org/10.3897/neobiota.76.84268>
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77. Bakhtadze, N., Chakvetadze, N., Mumladze, L., Gabroshvili, N., 2021. Check-list of chromosome numbers of the family Hygromiidae (Gastropoda: Stylommatophora) with new data on *Circassina frutis*. *Trav. du Muséum Natl. d'Histoire Nat. "Grigore Antipa"* 64, 7–20. <https://doi.org/10.3897/travaux.64.e69707>
76. Bikashvili, A., Kachlishvili, N., Mumladze, L., 2021. Species diversity and distribution of freshwater molluscs of Javakheti Highlands (Republic of Georgia). *Biodivers. Data J.* 9, e66649. <https://doi.org/10.3897/BDJ.9.e66649>
75. Bláha, M., Patoka, J., Japoshvili, B., Let, M., Buřič, M., Kouba, A., Mumladze, L., 2021. Genetic diversity, phylogenetic position and morphometric analysis of *Astacus colchicus* (Decapoda, Astacidae): a new insight into Eastern European crayfish fauna. *Integr. Zool.* 16, 368–378. <https://doi.org/10.1111/1749-4877.12493>
74. Copp, G.H. et al. 2021. Speaking their language – Development of a multilingual decision-support tool for communicating invasive species risks to decision makers and stakeholders. *Environ. Model. Softw.* 135, 104900. <https://doi.org/10.1016/j.envsoft.2020.104900>
73. Japoshvili, B., Couto, T.B.A., Mumladze, L., Epitashvili, G., McClain, M.E., Jenkins, C.N., Anderson, E.P., 2021. Hydropower development in the Republic of Georgia and implications for freshwater biodiversity conservation. *Biol. Conserv.* 263, 109359. <https://doi.org/10.1016/j.biocon.2021.109359>
72. Kuljanishvili, T., Japoshvili, B., Mumladze, L., Mustafayev, N., Ibrahimov, S., Patoka, J., Pipoyan, S., Kalous, L., 2021. Freshwater fish species diversity in Georgia (South Caucasus Region) and their local names, in: Kubík, Š., Barták, M. (Eds.), *Proceedings of the „12th Workshop on Biodiversity“*, Jevany. Jevany, Czech republic, pp. 48–65.
71. Kuljanishvili, T., Mumladze, L., Japoshvili, B., Mustafayev, N., Ibrahimov, S., Patoka, J., Pipoyan, S., Kalous, L., 2021. The first unified inventory of non-native fishes of the South Caucasian countries, Armenia, Azerbaijan, and Georgia. *Knowl. Manag. Aquat. Ecosyst.* 422, 1–16. <https://doi.org/10.1051/kmae/2021028>

70. Neiber, M.T., Bikashvili, A., Bananashvili, G., Shubashishvili, A., Japoshvili, B., Walther, F., Mumladze, L., 2021. Continental molluscs collected during the second Georgian-German BioBlitz 2019 in Stepantsminda, Georgia. *Mitteilungen der Dtsch. Malakozool. Gesellschaft* 104, 23–36.
69. Todria, N., Murvanidze, M., Mumladze, L., 2021. Oribatid (Acari: Oribatida) diversity in natural and altered open arid ecosystems of South-Eastern Caucasus. *Pedobiologia (Jena)*. 87–88, 150750. <https://doi.org/10.1016/j.pedobi.2021.150750>
68. Vilizzi, L. et al. 2021. A global-scale screening of non-native aquatic organisms to identify potentially invasive species under current and future climate conditions. *Sci. Total Environ.* 788, 147868. <https://doi.org/10.1016/j.scitotenv.2021.147868>
67. Copilaş-Ciocianu, D., Berci, G.M., Mumladze, L., 2020. First survey of shallow-water Amphipoda along the Georgian Black Sea coast reveals new faunistic records and the unexpected Atlantic invader *Melita nitida*. *Mediterr. Mar. Sci.* 21, 460–463. <https://doi.org/10.12681/mms.22844>
66. Epitashvili, G., Geiger, M.F., Astrin, J.J., Herder, F., Japoshvili, B., Mumladze, L., 2020. Towards retrieving the Promethean treasure: a first molecular assessment of the freshwater fish diversity of Georgia. *Biodivers. Data J.* e57862. <https://doi.org/https://doi.org/10.3897/BDJ.8.e57862>
65. Grego, J., Mumladze, L., Falniowski, A., Osikowski, A., Rysiewska, A., Palatov, D.M., Hofman, S., 2020. Revealing the stygobiotic and crenobiotic molluscan biodiversity hotspot in Caucasus: Part I. The phylogeny of stygobiotic Sadlerianinae Szarowska, 2006 (Mollusca, Gastropoda, Hydrobiidae) from Georgia with descriptions of five new genera and twenty-one n. *Zookeys* 955, 1–77. <https://doi.org/10.3897/zookeys.955.51983>
64. Japoshvili, B., Lipinskaya, T., Gajduchenko, H., Sinchuk, A., Bikashvili, A., Mumladze, L., 2020. First DNA-based Records of New Alien Freshwater Species in the Republic of Georgia. *Acta Zool. Bulg.* 72, 545–551.
63. Kuljanishvili, T., Epitashvili, G., Freyhof, J., Japoshvili, B., Kalous, L., Levin, B., Mustafayev, N., Ibrahimov, S., Pipoyan, S., Mumladze, L., 2020. Checklist of the freshwater fishes of Armenia, Azerbaijan and Georgia. *J. Appl. Ichthyol.* 36, 501–514. <https://doi.org/10.1111/jai.14038>
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- non-indigenous molluscs invaded the South Caucasus. *Vestn. Zool.* 53, 187–194. <https://doi.org/https://doi.org/10.2478/vzoo-2019-0019>
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  51. Murvanidze, M., Mumladze, L., Todria, N., Salakaia, M., 2019. Effect of ploughing and pesticide application on oribatid mite communities. *Int. J. Acarol.* 45, 181–188. <https://doi.org/10.1080/01647954.2019.1572222>
  50. Nassirkhani, M., Mumladze, L., 2019. Redescription of *Roncus crassipalpus* Rafalski, 1949 (Pseudoscorpiones: Neobisiidae) from western Georgia. *Arachnology* 18, 133. <https://doi.org/10.13156/arac.2018.18.2.133>
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  48. Nassirkhani, M., Mumladze, L., 2019. *Neobisium* (*Neobisium*) *moreoticum* (Pseudoscorpiones: Neobisiidae) from Georgia. *Arachnol. Mitteilungen* 57, 37–42. <https://doi.org/10.30963/aramit5707>
  47. Nassirkhani, M., Zaragoza, J.A., Mumladze, L., 2019. A new pseudoscorpion genus from western Georgia (Pseudoscorpiones: Neobisiidae: Cornuroncus n. gen.), with a key to all Neobisiinae genera. *Zootaxa* 4624, 289–295. <https://doi.org/http://dx.doi.org/10.11646/zootaxa.4624.2.12>
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- 2010 - Recife, Brasil. Golden Tulip Recife Palace Hotel. International Congress of Acarologists ICA XIII. Landscape distribution of oribatid mites (Acari, Oribatida) in Kolkheti National Park (Georgia, Caucasus). Murvanidze M, Mumladze L, Arabuli T, Kvavadze Er [www.acarology.org/ica/ica2010/](http://www.acarology.org/ica/ica2010/)
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Appendix 3.

- 2023-2026. Cave dwelling invertebrates of Georgia - origin, diversity and conservation. (SRNSF). PI. Responsibility: Project supervising. ID: FR-23-9905
- 2020-2023. Caucasus Barcode of Life project (CaBOL). German Federal Ministry of Education and Research. Taxonomic Coordinator. ID: 01DK20014A
- 2020-2023. Effect of different agricultural practices on non-target soil microarthropod communities. (SRNSF). Key Personnel. Responsibility: Study design, Data collection, Data analyses. ID: FR-19-363
2019. USAID/GEORGIA FAA 119 BIODIVERSITY ANALYSIS – Country (Georgia) biodiversity expert.
- 2018-2019. Patterns and process of (meta)community development: artificial forests of Javakheti plateau as a model system. (SRNSF). PI. ID: YS17\_85.
- 2017-2019. Biodiversity of Freshwater Molluscs of Georgia (SRNSF). PI. ID: 217-086
- 2016-2018. Impact of pesticides on soil ecosystem functioning - effect on soil invertebrate fauna (SRNSF/STCU). Key personnel. Responsibility - experimental design, field work, data analyses.
- 2014–2017. Biodiversity of Hymenopterans in Lagodekhi Protected Areas. (SRNSF). Key personnel. Responsibility – Data analyses.
- 2014–2017. Study of javakheti Upland Lakes for Sustainable Fisheries and Environmental development. Supported GNSF (SRNSF). Key Personnel. Responsibility – Study design, fieldwork, data analyses.
2014. (Individual Research Project; finished) Conservation of Caucasian Wildlife: Applying the National Conservation Status to some Georgian Molluscs (Based on IUCN Criteria) - Stage 2. Rufford Small Grants.
- 2013-2015. Arthropod diversity in Mtirala National Park (SRNSF-31/88). Key personnel. Responsibility - study design, fieldwork, data analyses.
- 2012–2016. Caucasus biodiversity research project – Mollusca. Team member: <http://www.caucasus-snails.uni-hamburg.de/CaucasianLandSnails-Dateien/Team.html>
- 2012-2014. Biodiversity and heavy metal accumulation in soil invertebrates near polymetal tailing sites (Kazreti. Georgia) (SRNSF/STCU). Key personnel. Responsibilities: fieldwork and data analysis.
- 2012–2014. Research and REstoration of the Essential Filters of the Sea - REEFS. EU (European Union). Responsibility – preparing basis to construct artificial reefs in the Georgian Black Sea coast and the monitoring of community composition of sea mollusks associated with the reefs.

2013. Individual Research grant. Distribution of Terrestrial snails of the Caucasus along an altitudinal gradient. German Academic Exchange Service (DAAD).
- 2011–2012. Evaluating of Forest Snail Endemicity in Georgian Transcaucasia – A Preliminary Study. Rufford Small Grant Foundation.  
[http://www.ruffordsmallgrants.org/rsg/projects/levan\\_mumladze](http://www.ruffordsmallgrants.org/rsg/projects/levan_mumladze)The aim of the project was to fill gaps and gather scattered distributional data of forest inhabiting Georgian endemic mollusks.
2010. Individual research grant. Preliminary study of the distribution and morphology of some snails (Mollusca, Gastropoda: Helix, Caucasotachea) endemic for the Caucasus. GNSF (Georgian National Scientific Foundation). The aim of the project was to investigate the distribution of Georgian endemic helicid species and study their morphological variability within the region.
- 2009-2011. The invertebrate animals of Colchis National Park (coastal part), their biodiversity and population of the main habitats and ecosystems (GNSF). Key Personnel. Responsibility - fieldwork, data analyses
- 2007-2009. Invertebrate Animals as Bioindicators of Urban Environment (GNSF/STCU - 4327). Key personnel. Responsibility - fieldwork, data analyses
2007. Web data base for development of Georgian red list (<http://www.biodiversity-georgia.net>). Financed by BP (British Petroleum, Georgian Office). Responsibility - Curator of Mollusks web-section and field work.
2007. (Individual research project). Refugial Forests of the Western Lesser Caucasus. Financed by CLP (Conservation Leadership Programme (Former BP Conservation Programme)). The aim of the project was to Identify and support conservation of the most important and vulnerable refugial forest sites from the Western Lesser Caucasus