



Giorgi Beridze

Position

Head of the Complex Laboratory of Geological Research, Senior Scientist of Alexandre Janelidze Institute of Geology of Ivane Javakhishvili Tbilisi State University

Scientific/academic degree, title

Academic Doctor of Geology (2016). Dissertation - Petrology of Late Variscan Magmatic and Volcanogenic-Sedimentary Formations of the Khrami Crystalline Massif.

Contact information

Phone: 555 00 09 73

Email: giorgi.beridzegeolinst@gmail.com

Education

2006-2010 – Technical University of Georgia, Faculty of Mining and Geology, Bachelor of Exact and Natural Sciences.

2010-2012 – Technical University of Georgia, Faculty of Mining and Geology, Master of Geology.

2012-2016 – Technical University of Georgia, Faculty of Mining and Geology, academic degree of Doctor of Geology.

Employment history

2009-2014 – Laboratory assistant of the Department of Petrology, Volcanology, Mineralogy and Lithology of Al. Janelidze Institute of Geology.

2014-2016 – Scientist of Department of Petrology, Volcanology, Mineralogy and Lithology of the Al. Janelidze Institute of Geology.

2016-2017 – Senior scientist of Department of Petrology, Volcanology, Mineralogy and Lithology of the Al. Janelidze Institute of Geology.

2017 - to present – Head of the Complex Laboratory of Geological Research of Al. Janelidze Institute of Geology, Senior scientist.

2017 - to present – Secretary scientific of Scientific Council of the Institute.

Research interests

The main interest is petrology of magmatic and metamorphic rocks. In particular, Paleozoic and Jurassic magmatism, regional and contact metamorphism; Also, isotope-geochronological and geochemical studies.

Publications

1. . *Shengelia, L. Shumlyansky, G. Chichinadze, T. Tsutsunava, G. Beridze, I. Javakhishvili* (2022). U–Pb LA-ICP-MS geochronology of polygenetic zircons from Beshta and Kamenistaya intrusions (the Greater Caucasus). *ActaGeochimica*.
<https://doi.org/10.1007/s11631-022-00558-7>
2. *I. Javakhishvili, T. Tsutsunava, G. Beridze, R. Vekua* (2022). Geochemistry of the Kirari-Abakuri Magmatic Complex of the Southern Slope Zone of the Greater Caucasus. *Bull. of the Georg. Nat. Acad. of Sci.*, vol. 16, no. 2.
http://science.org.ge/bnas/t16-n2/08_Javakhishvili_Geology.pdf
3. *I. Javakhishvili, T. Tsutsunava, G. Beridze* (2021). Geochemistry of Metamorphic Rocks of the Dizi Series of the Southern Slope Zone of the Greater Caucasus. *Bull. of the Georg. Nat. Acad. of Sci.*, vol. 15, no. 4.
http://science.org.ge/bnas/t15-n4/13_Javakhishvili_Geology.pdf
4. *I. Javakhishvili, D. Shengelia, L. Shumlyansky, T. Tsutsunava, G. Chichinadze, G. Beridze* (2021). Metamorphism of the Dizi Series Rocks (the Greater Caucasus): Petrography, Mineralogy and Evolution of Metamorphic Assemblages. *Baltica*, 34 (2), 185–202. Vilnius. ISSN 1648-858X. <https://doi.org/10.5200/baltica.2021.2.5>
5. *D. Shengelia, G. Chichinadze, T. Tsutsunava, G. Beridze, I. Javakhishvili* (2020). On the Regional Metamorphism of pre-Variscan Orthogneisses of Beshta and Mount Kamenistaia Inlier. *Proceedings of Al. Janelidze Institute of Geology, New Series, №132*, pp. 26-36. (in Georgian).
6. *I. Javakhishvili, G. Beridze* (2020). Petrogeochemistry of the Dizi Series (the Greater Caucasus) Bathonian magmatites. *Proceedings of the Al. Janelidze Institute of Geology, New Series, №132*, pp. 157-168. (in Georgian).
7. *I. Gamkrelidze, D. Shengelia, G. Chichinadze, Yuan-Hsi Lee, A. Okrostsvaridze, G. Beridze, K. Vardanashvili* (2020). U–Pb LA–ICP–MS dating of zoned zircons from the Greater Caucasus pre-Alpine crystalline basement: Evidence for Cadomian to Late Variscan evolution. *GEOLOGICA CARPATHICA*, Vol.71, №3, pp. 249–263.
<https://doi.org/10.31577/GeolCarp.71.3.4>
8. *I. Gamkrelidze, D. Shengelia, G. Chichinadze, T. Tsutsunava, G. Beridze, I. Javakhishvili* (2019). Geology of the Loki Crystalline Massif (Caucasus) (Explanatory note of the 1:50 000 Scale Digital Geological Map). *Proceedings of the Al. Janelidze Institute of Geology, New Series*, no. 131. 87 p. (in Georgian).
9. *G. Tsintskaladze, T. Sharashenidze, V. Gabunia, G. Beridze* (2019). Actions of factors caused by lightning on historical and cultural monuments and the possibilities of their prevention on the example of Abuli fortress. *International Journal of Latest Engineering and Management Research*, vol. 4 №9, pp. 92-97.
10. *I. Gamkrelidze, D. Shengelia, G. Chichinadze, T. Tsutsunava, G. Beridze, T. Tsamalashvili, K. Tedliashvili, I. Javakhishvili* (2018). Petrology, Geochemistry and Formation Conditions of Pre-Alpine Metabasites of the Loki Crystalline Massif (the Caucasus). *Bulletin of the Georgian National Academy of Sciences*, Vol.12, №4. pp. 78-86.
<http://science.org.ge/bnas/vol-12-4.html>

11. *G.Chichinadze, D.Shengelia, T.Tsutsunava, N.Maisuradze, G.Beridze* (2018). Jalovchat Gabbroic Intrusive of the Caucasus: Petrological Study, Geochemical Peculiarities and Formation Conditions. World Academy of Science, Engineering and Technology International Journal of Geological and Environmental Engineering, Vol.12, №5, pp. 1700-1704.
12. *D. Shengelia, K. Chikhelidze, M. Togonidze, G. Beridze, K.Gabarashvili, I.Javakhishvili* (2017). Genetic Typification of Zircons from Infrastructure of the Elbrus Subterrane (Caucasus). Bulletin of the Georgian National Academy of Sciences, Vol.11, №1. pp. 85-89. <http://science.org.ge/bnas/vol-11-1.html>
13. *G. Beridze* (2015). New Data on Garnets of the Late Variacan Garnet-bearing Granites of the Khrami Crystalline Massif. Georgian National Academy of Sciences, Science and Technologies. №1 (718), pp. 43-49. (in Georgian).
14. *G. Beridze, K. Tedliashvili, I. Javakhishvili* (2015). Genetic Types of K-Feldspars from Precambrian Gneiss-Migmatitic Complex and from Sudetic Granitoids of the Khrami Crystalline Massif. Georgian National Academy of Sciences, Science and Technologies. № 1 (718), pp. 87-92. (in Georgian).
15. *G. Maisuradze, G. Beridze* (2015). Akhalkalaki Suite – Eopleistocene continental deposits stratotype in Georgia. Proceedings of the Al. Janelidze Institute of Geology, New Series, № 127, pp. 55-63. (in Georgian).
16. *D.Shengelia, T.Tsutsunava, G.Chichinadze, G.Beridze* (2015). New Data on the Metamorphism of the Dizi Series. Proceedings of the Al. Janelidze Institute of Geology, New Series, № 127, pp. 117-123. (in Georgian).
17. *G. Beridze, K. Tedliashvili, K. Vardanashvili* (2015). Petrochemistry, Genetic Types and Geodynamic Conditions of Forming of Late Variscan Granites, Quartz Porphyry-Granite Porphyries and Upper Paleozoic Volcanogenic Formations of the Khrami Crystalline Massif. Proceedings of the Al. Janelidze Institute of Geology, New Series, № 127, pp. 147-155. (in Georgian).
18. *G.Beridze* (2015). Alanites in Late Variscan Granites of the Khrami crystalline massif. Proceedings of the Al. Janelidze Institute of Geology, New Series, № 127, pp. 155-159. (in Georgian).
19. *G. Beridze, I. Javakhishvili* (2015). About the Genesis of Late Variscan Granites of the Khrami Crystalline Massif. Georgian National Academy of Sciences, Science and Technologies. No. 1 (724), pp. 33-44. (in Georgian).
20. *D. Shengelia, T. Tsutsunava, G. Chichinadze, G. Beridze* (2014). Some Questions on Structure, Variscan Regional Metamorphism and Granitoid Magmatism of the Caucasian Terrane crystallinum. Bulletin of the Georgian National Academy of Sciences, Vol.8, №3. pp. 56-63. http://science.org.ge/old/moambe/8-3/Shengelia_8_3.pdf
21. *K. Tedliashvili, N. Kvakhadze, N. Maisuradze, G. Beridze* (2012). Comparative characteristics of gneiss-migmatite complexes of the Black Sea - Central Transcaucasian terrane. Georgian National Academy of Sciences, Science and Technologies. №1-3, pp. 30-38. (in Georgian).
22. *G. Beridze, N. Maisuradze, K. Tedliashvili* (2011). New Petro and geochemical data of Late Variscan granitoids of Khrami crystalline massif. GTU Proceedings. №4 (482), pp. 28-31. (in Georgian).

Citation index

Google Scholar – 19, h-index – 2; Research Gate – 32, h-index – 3.

Participation in scientific forums

1. New data about regional metamorphism and magmatism of Khrami crystalline massif (the Caucasus, Georgia). K. Tedliashvili, **G.Beridze**. The 10th Swiss Geoscience Meeting. Switzerland, Bern, 2012. Abstract Volume 3, pp. 110-111.
2. Comparative characteristic of Pre-alpine Formation Dzirula and Khrami crystalline massif. L.Shubitidze, K.Tedliashvili, **G.Beridze**. 1ST International CATM Conference. Georgia, Tbilisi. 2013.
3. Allanite of late variscan granites of the Khrami crystalline massif (Georgia). **G.Beridze**. The 5Rd International Scientific Conference of Young Scientists and Students. Azerbaijan, Baku, 2015. Abstracts, pp. 66-67.
4. Petrogenetic and geodynamic types of Late Paleozoic (Sudetic) granitoids of the Caucasus. D.Shengelia, T.Tsutsunava, G.Chichinadze, **G.Beridze**, K.VardanaSvili, I.Javakhishvili. The 14th Swiss Geoscience Meeting. Switzerland, Geneva, 2016. Abstract Volume 2, pp. 98-99.
5. LA-ICP-MS local zircon U-Pb dating of Late Variscan granites of the Dzirula and Khrami crystalline massifs (Georgia). D.Shengelia, T.Tsutsunava, G.Chichinadze, **G.Beridze**, I.Javakhishvili. The 14th Swiss Geoscience Meeting. Switzerland, Geneva, 2016. Abstract Volume 7, pp. 241-242.
6. Data on U/Pb Zircon dating of late Variscan granitoids of the Greater Caucasian terrane. D.Shengelia, T.Tsutsunava, G.Chichinadze, **G.Beridze**, K.VardanaSvili, I.Javakhishvili. Mineralogical society of Georgia, 2th International Scientific-Practical Conference on Up-to-date Problems of Geology. Tbilisi, Georgia. 2016. Abstract book, pp. 120-122.
7. New U-Pb isotope-geochronological data on the Buulgen metamorphic complex and on the associated with it pre-Alpine magmatites of the Greater Caucasian Main Range zone. I. Gamkrelidze, D.Shengelia, G.Chichinadze, A.Okrostsvaridze, Yan-His Lee, T.Tsutsunava, **G.Beridze**. Mineralogical society of Georgia, 3th International Scientific-Practical Conference on Up-to-date Problems of Geology. Tbilisi, Georgia. 2017. Abstract book, pp. 43-46.
8. Petrogenetic Model of Formation of Orthoclase Gabbro of the Dzirula Crystalline Massifs. D.Shengelia, T.Tsutsunava, M.Togonidze, G.Chichinadze, **G.Beridze**. WASET, ICGES 2017: 19th International Conference on Geological and Earth Sciences. Italy, Rome. Abstract book, p. 80.
9. Petrogeochemistry of Hornblende-bearing Gabbro Intrusive, the Greater Caucasus. G.Chichinadze, D.Shengelia, T.Tsutsunava, N. Maisuradze, **G.Beridze**. WASET, ICGES 2017: 19th International Conference on Geological and Earth Sciences. Italy, Rome. Abstract book, p. 81.
10. Petrology, Geochemistry and Formation Conditions of Metaophiolites of the Loki Crystalline Massif (the Caucasus). I. Gamkrelidze, D.Shengelia, G.Chichinadze, T.Tsutsunava, **G.Beridze**, T.Tsamalashvili, K.Tedliashvili. WASET, CGPE 2017: 19th International Conference on Geosciences and Petroleum Engineering. Spain, Madrid. Abstract book, p. 81.
11. U-Pb Dating of zonal zircons from the crystalline rocks of the Gondarai complex of the greater Caucasian main range zone (Greater Caucasian terrane). I. Gamkrelidze, D.Shengelia, G.Chichinadze, A.Okrostsvaridze, Yan-His Lee, **G. Beridze**. Mineralogical society of Georgia, 4th International Scientific-Practical Conference on Up-to-date Problems of Geology. Tbilisi, Georgia. 2018. Abstract book, pp. 32-34.
12. Contact metamorphism of the Dizi Series (Greater Caucasus). S. Korikovskiy, D.Shengelia, G.Chichinadze, T.Tsutsunava, **G.Beridze**, I. Javakhishvili. Mineralogical Society of Georgia, 4th International Scientific-Practical Conference on Up-to-date Problems of Geology. Tbilisi, Georgia. 2018. Abstract book, pp. 55-59.

13. Epidiosites of the Loki Crystalline Massif, the Caucasus: Geological Setting, Mineralogy, Petrogeochemistry and Genesis. D. Shengelia, G. Chichinadze, I. Gamkrelidze, T. Tuitsunava, **G. Beridze**, I. Javakhishvili. Waset, ICMRSA 2018: International Conference on Metamorphic Rocks and Structural Analysis. France, Paris. Abstract book, p. 123.
14. Pre-Alpine Allochthonous Metabasites of the Loki Crystalline Massif, Georgia: Geological Setting, Composition and Formation Conditions. I. Gamkrelidze, D. Shengelia, G. Chichinadze, T. Tsutsunava, **G. Beridze**, I. Javakhishvili. Waset, ICMRSA 2018: International Conference on Metamorphic Rocks and Structural Analysis. France, Paris. Abstract book, p. 124.
15. Geochemistry of the Dizi Series Bathonian intrusions. I. Javakhishvili, G. Beidze. VII International conference of young scientist & students. Azerbaijan, Baku, 2018. Abstracts, pp. 50-51.
16. On petrology and geochemistry of the Jalovchat intrusive (Caucasus). **G. Beidze**, I. Javakhishvili. VII International Conference of Young Scientist & Students. Azerbaijan, Baku, 2018. Abstracts, pp. 79-80.
17. Digital Geological Map of the Loki Crystalline Massif (the Caucasus) and its Multi-Informative Explanatory Note. I. Gamkrelidze, D. Shengelia, G. Chichinadze, T. Tuitsunava, **G. Beridze**, T. Tsamalashvili, K. Tedliashvili, I. Javakhishvili. Waset, ICPGGS 2019: International Conference on Physical Geology and Geological Sciences. The Netherlands, Amsterdam. Abstract book, p. 438.
18. Regional Metamorphism of the Loki Crystalline Massif Allochthonous Complex of the Caucasus. D. Shengelia, G. Chichinadze, T. Tsutsunava, **G. Beridze**, I. Javakhishvili. Waset, ICPGGS 2019: International Conference on Physical Geology and Geological Sciences. The Netherlands, Amsterdam. Abstract book, p. 439.
19. Biotite from Contact-Metamorphosed Rocks of the Dizi Series of the Greater Caucasus. I. Javakhishvili, T. Tsutsunava, **G. Beridze**. Waset, ICPGGS 2019: International Conference on Physical Geology and Geological Sciences. The Netherlands, Amsterdam. Abstract book, p. 437.
20. On petromineralogical of metaterrigenous rocks of the Dzirula crystalline massif allochthonous complex. T. Tsutsunava, **G. Beridze**, I. Javakhishvili. Mineralogical society of Georgia, 5th International Scientific-Practical Conference on Up-to-date Problemes of Geology. Tbilisi, Georgia. 2019. Abstract book, pp. 134-137.
21. Regional and Contact Metamorphism of the Dizi Series (the Greater Caucasus). I. Javakhishvili, T. Tsutsunava, D. Shengelia, G. Chichinadze, **G. Beridze**. EGU2020-2952. <https://doi.org/10.5194/egusphere-egu2020-2952>
22. Thermometry of Metamorphic Rocks of the Dizi Series. I. Javakhishvili, T. Tsutsunava, **G. Beridze**. Abstracts of VIII International Scientific Conference of Young Scientists & Students. pp. 69-70. 8-9 October, Baku, Azerbaijan, 2021.
23. On the possible analogy between the Dizi Series of the Southern slope zone of the Greater Caucasus and the folded basement of the plain Crimea: composition, metamorphism, magmatism and age. I. Javakhishvili, D. Shengelia, T. Tsutsunava, G. Chichinadze, **G. Beridze**, L. Shumlyansky. EGU21-837, <https://doi.org/10.5194/egusphere-egu21-837>

Scientific grants

1. English-Georgian Terminological Dictionary of Geology. 2014-2016. Shota Rustaveli Georgian National Science Foundation, AR/139/9-150/13. Principal Investigator.
2. 1:50 000 scale digital geological map of the Loki Crystalline Massif. 2016-2018. Shota Rustaveli Georgian National Science Foundation, N AR-135/789. Coordinator, principal investigator.

Additional information

Since 2014 – Member of the Scientific Board of the Mineralogical Society of Georgia;
Since 2014 – Member of the Council of Young Scientists of the National Academy of Sciences of Georgia;
Since 2017 – World Academy of Science, Member Engineering and Technology International Scientific Committee and Editorial Review Board on Geological and Environmental Engineering;
Member of International Scientific Committee of Geological and Environmental Engineering;
2014 – present – member of the organizing committee of scientific conferences held under the auspices of the Council of Young Scientists of the National Academy of Sciences of Georgia.