



Irakli Javakhishvili

Position

Research-fellow of the Complex Laboratory of Geological Research of the Alexandre Janelidze Institute of Geology

Scientific/academic degree, title

MSc in Geology, Ph.D student.

Dissertation topic - Regional and Contact Metamorphism of the Dizi Series.

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Education

2010-2014 – Iv. Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Bachelor of Geology;

2016-2018 – Iv. Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Master of Geology;

2018-2022 – Iv. Javakhishvili Tbilisi State University, Faculty of Exact and Natural Sciences, Doctoral Student.

Employment history

2013-2014 – Assistant in the Regional Geological Mapping Scientific-Research Department of the Al. Tvalchrelidze Caucasus Institute of Mineral Resources.

2014-2015 – Laboratory Technical specialist of the Al. Janelidze Institute of Geology.

2015-2016 – Assistant in the Department of Petrology, Volcanology, Mineralogy and Lithology of the Al. Janelidze Institute of Geology.

2016-up to present – Specialist-operator of the Complex Laboratory of Geological Research of the Al. Janelidze Institute of Geology.

2019-up to present – Research-fellow of the Complex Laboratory of Geological Research of the Al. Janelidze Institute of Geology.

Research interests

Petrology, in particular Jurassic magmatism as well as regional and contact metamorphism; Geochemistry and geochronology.

Publications

1. *D. Shengelia, L. Shumlyanskyy, 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 Geor. Nat. Acad. of Sci.*, vol. 16, no. 2.
http://science.org.ge/bnas/t16-n2/08_Javakhishvili_Geology.pdf
3. *I. Javakhishvili, D. Shengelia, L. Shumlyanskyy, 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>
4. *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 Geor. Nat. Acad. of Sci.*, vol. 15, no. 4, http://science.org.ge/bnas/t15-n4/13_Javakhishvili_Geology.pdf
5. *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*, no. 132. pp. 157-168.
6. *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 the Al. Janelidze Institute of Geology, New Series*, no. 132. pp. 26-36.
7. *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.
8. *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*, V.12, №4. pp. 78-86.
9. *D. Shengelia, K. Chikhelidze, M. Togonidze, G. Beridze, K. Gabarashvili, I. Javakhishvili* (2017). Genetic Typification of Zircons from Infrastructure of the Elbrus Subterranean (Caucasus). *Bulletin of the Georgian National Academy of Sciences*, V.11, №1. pp. 85-89.
10. *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.
11. *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*. No. 1 (718), pp. 87-92.
12. *G. Beridze, I. Javakhishvili* (2015). New data about Jorkvali intrusion (Upper Svaneti). *Proceedings of the Mineralogical Society of Georgia*, p. 21-27.

Citation index

ResearchGate – 10, h-index – 2; Google Scholar – 4, h-index – 1.

Participation in scientific events

1. 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>
2. 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.
3. U-Pb LA-ICP-MS geochronology of polygenetic zircons from orthogneiss of the Beshta and Kamenistaya massifs (the Greater Caucasus). D. Shengelia, G. Chichinadze, L. Shumlyansky, T. Tsutsunava, G. Beridze, **I. Javakhishvili**. Goldschmidt 2021 Abstract. <https://doi.org/10.7185/gold2021.5215>
4. 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>
5. New Data on the Postvolcanic Silicification of the Goderdzi Suite Petrified Wood, South Georgia. M. Makadze, D. Makadze, **I. Javakhishvili**, N. Kobakhidze. Second International Scientific Conference of Young Scientists on "Multidisciplinary approaches in solving modern problems of fundamental and applied sciences (Natural sciences). Baku, Azerbaijan. 2020. Book of Abstract.
6. Volcanic glasses on the territory of Georgia and prospects for their use. G. Tsintsikaladze, T. Kordzakhia, T. Sharashenidze, M. Zautashvili, G. Beridze, **I. Javakhishvili**. 6th International Scientific-Practical Conference on Up-to-date Problems of Geology. 2020. Abstract book, pp. 87-88.
7. Comparative Characteristics of pre-Alpine Metamorphites of the Loki, Akhum and Asrikchay Massifs and of the Ophiolite Olistostrome of the Amasia-Sevan-Akera Belt (Somkhit-Karabakh Tectonic Zone). D. Shengelia, T. Tsutsunava, G. Chichinadze, G. Beridze, **I. Javakhishvili**. 6th International Scientific-Practical Conference on Up-to-date Problems of Geology. 2020. Abstract book, pp. 84-85.
8. On petromineralogical of metaterigenous 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 Problems of Geology. Tbilisi, Georgia. 2019. Abstract book, pp. 134-137.
9. 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. [Microsoft Word - 191050269\[5\]_2 \(waset.org\)](https://www.waset.org/publication/191050269)
10. 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.
11. Digital Geological Map of the Loki Crystalline Massif (The Caucasus) and Its Multi-Informative Explanatory Note. I. Gamkrelidze, D. Shengelia, G. Chichinadze, T. Tsutsunava, 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.
12. On petrology and geochemistry of the Jalovchat intrusive (Caucasus). G. Beirdze, I. **Javakhishvili**. VII International conference of young scientist & students. Azerbaijan, Baku, 2018. Abstracts, pp. 79-80.
 13. Geochemistry of the Dizi series Bathonian intrusions. I. **Javakhishvili**, G. Beirdze. VII International Conference of Young Scientist & Students. Azerbaijan, Baku, 2018. Abstracts, pp. 50-51.
 14. Gold Occurrences of the Kirar-Abakuri Ore Knot and their Genesis. G. Kharazishvili, I. **Javakhishvili**. VII International Conference of Young Scientist & Students. Azerbaijan, Baku, 2018. Abstracts, pp. 39-41.
 15. 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.
 16. Epidiosites of the Loki Crystalline Massif, the Caucasus: Geological Setting, Mineralogy, Petrogeochemistry and Genesis. D. Shengelia, G. Chichinadze, I. Gamkrelidze, T. Tsutsunava, G. Beridze, I. **Javakhishvili**. Waset, ICMRSA 2018: International Conference on Metamorphic Rocks and Structural Analysis. France, Paris. Abstract book, p. 123.
 17. 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.
<http://www.msgeorgia2012.com/files/shromata-krebuli-2018.pdf>
 18. Petrography of the Bathonian Quartz Dioritic and Syenite-Dioritic Dike and Stock Intrusions of the Dizi Series. I. **Javakhishvili**. The fifth Annual Conference in Exact and Natural Sciences. Tbilisi, Georgia. 2017.
 19. Data on U/Pb Zircon dating of late Variscan granitoids of the Greater Caucasian terrane. D. Shengelia, T. Tsutsunava, G. Chichinadze, G. Beridze, K. Vardanashvili, 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.
 20. 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.
 21. Petrogenetic and geodynamic types of Late Paleozoic (Sudetic) granitoids of the Caucasus. D. Shengelia, T. Tsutsunava, G. Chichinadze, G. Beridze, K. Vardanashvili, I. **Javakhishvili**. The 14th Swiss Geoscience Meeting. Switzerland, Geneva, 2016. Abstract Volume 2, pp. 98-99.
 22. Genetic Types of Late Variscan Granites of the Khrami Crystalline Massif. G. Beridze, I. **Javakhishvili**. VI International Conference of Young Scientists and Students, Baku, Azerbaijan, 2015, pp. 93-95.

Grant projects

Regional and Contact Metamorphism of the Dizi series. 2019-2022. Shota Rustaveli National Science Foundation, PHDF-19-159 - PhD grant, Principal researcher.

