



Ketevan Gabarashvili

Position

Alexandre Janelidze Institute of Geology, Iv. Javakhishvili Tbilisi State University, Department of Petrology, Volcanology, Mineralogy and Lithology, Research scientist

Scientific/academic degree, title

Master/MS; PhD student at Georgian Technical University, Department of Mining and Geology.

Contact information

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Education

2002-2006 – Georgian Technical University, Department of Mining and Geology, Geological Survey, Search and Prospecting.

2006-2008 – Master/MS, Georgian Technical University, Department of Mining and Geology, Geologist.

2015 - up-to-present – PhD student at Georgian Technical University, Department of Mining and Geology, doctoral program in “Geology”.

Employment history

2009-2015 – Al. Janelidze Institute of Geology Department of Mineral Resources, Geochemistry and Isotope Geochronology, research scientist.

2015-up-to-present – Al. Janelidze Institute of Geology of Iv. Javakhishvili Tbilisi State University, Department of Petrology, Mineralogy, Volcanology and Lithology, research scientist.

Research interests

Volcanology, Anthropogenic Volcanism of Georgia, Physical Volcanology, Mineralogy, Petrology, Geochronology.

Publications

1. *Giorgi Vashakidze, Anton V. Parfenov, **Ketevan Gabarashvili**, Manana Togonidze, Tamar Beridze, Vladimir A. Lebedev* (2021). Quaternary Volcanic Activity in the Greater Caucasus:

- A Review of Elbrus, Kazbek and Keli Volcanoes. In book “Building Knowledge for Geohazard Assessment and Management in the Caucasus and other Orogenic Regions”. Springer Nature, pp. 217-239. https://doi.org/10.1007/978-94-024-2046-3_12
2. *G. Maisuradze, M. Togonidze, K. Gabarashvili* (2020). Stratigraphy and paleogeography of the volcano Patara Tkarsheti (Kazbegi volcanic massif) Proceedings of Al. Janelidze Institute of Geology of TSU, new series, vol. 132, pp. 145-157.
 3. *A.V. Parfenov, V.A. Lebedev, I.V. Chernyshev, G.T. Vashakidze, A.I. Yakushev, Yu.V. Goltsman, A.V. Chugaev, T.I. Oleinikova, E.M. Kanunnikova, K.A. Gabarashvili* (2019). Petrological-Geochemical Characteristics of Lavas, Sources and Evolution of Magmatic Melts of the Kazbek Neovolcanic Center (Greater Caucasus). *Petrology*, vol. 27, № 6, pp. 606-632. <https://doi.org/10.31857/S0869-5903276658-689>
 4. *Goga Vashakidze, Avto Goguitchaichvili, Natalia Garcia-Redondo, Manuel Calvo-Rathert, Ángel Carrancho, Ruben Cejudo, Juan Morales, Vladimir A. Lebedev, Ketino Gabarashvili* (2019). Magnetic dating of the Holocene monogenetic Tkarsheti volcano in the Kazbeki region (Great Caucasus). *Earth, Planets and Space*. 71, Article number: 133, pp. 1-7. <https://doi.org/10.1186/s40623-019-1109-4>
 5. *V.A. Lebedev, A.V. Parfenov, G.T. Vashakidze, Q.A. Gabarashvili, I.V. Chernyshev, M.G. Togonidze* (2018). Chronology of Magmatic Activity and Petrologic–Mineralogical Characteristics of Lavas of Kazbek Quaternary Volcano, Greater Caucasus. *Petrolog*, vol. 26, №1, pp. 1-28. <https://doi.org/10.1134/S086959111801006X>
 6. *David Shengelia, Ketevan Chikhelidze, Manana Togonidze, Giorgi Beridze, Ketevan Gabarashvili, Irakli Javakhishvili* (2017). Genetic Typification of Zircons from Infrastructure of the Elbrus Sub-terrane (Caucasus). *Bull. of the Georgian Nat. Acad. of sciences*, vol. 11, no.1, pp. 85-89.
 7. *G. Vashakidze, R. Akhvlediani, I. Akhvlediani, V. Lebedev, K. Gabarashvili, O. Dudaui, M. Togonidze* (2015). Some Features of the Chemistry of Quaternary Volcanism of the Keli Highland (the Greater Caucasus) Proceedings of Al. Janelidze Institute of Geology of Iv. Javakhishvili Tbilisi State University, new series, vol. 127, pp. 137-146.
 8. *K. Gabarashvili* (2015). Lava Flows of Volcano Mkinvartsveri in the Chkheri River Gorge. Proceedings of Al. Janelidze Institute of Geology of TSU, new series, vol. 127, pp. 159-163.
 9. *O. Dudaui, M. Togonidze, V. Lebedev, G. Vashakidze, K. Gabarashvili, K. Lobzhanidze* (2015). Stages of Development of Neogene-Quaternary Acid Magmatism on the Southern Slope of the Greater Caucasus in Upper Racha and Lower Svaneti. Proceedings of Al. Janelidze Institute of Geology of Iv. Javakhishvili Tbilisi State University, new series, vol. 127, pp. 123-134.
 10. *V.A. Lebedev, A.V. Parfenov, G.T. Vashakidze, I.V. Chernyshev, K.A. Gabarashvili* (2014). Major Events in Evolution of the Kazbek Neovolcanic Center, Greater Caucasus: Isotope–Geochronological Data, *Doklady Earth Sciences*, vol. 458, part 1, pp. 1092-1098. DOI: 10.1134/S1028334X14090074.

Citation index

Web of Science - 17, h - 2; Scopus - 20, h - 2; Google Scholar - 46, h - 4.

Participation in scientific events

1. Physical volcanology of the lava flows and associated interflow horizon at Toki section, South Georgia. Tamar Beridze1, **Ketevan Gabarashvili**, Purva Gadpallu, Manana Kavsadze, Giorgi Vashakidze, Koba Lobzhanidze. 35th IAS Meeting of Sedimentology, 2021, June 21-25, Prague Czech Republic, Abstracts book, pp. 54.

2. Quaternary volcanic activity in the Great Caucasus. Giorgi Vashakidze, Vladimir Lebedev, Anton Parfenov, **Qetino Gabarashvili**, Manana Togonidze, Tamar Beridze. NATO Advanced Research Workshop G5566 Building Civil Protection Capacity to Mitigate Geohazards in the Caucasus: A Regional Approach - 8-10 October 2019, Tbilisi, Georgia. Abstracts 20.
3. Xenoliths in volcano Shevardeni lavas (Kazbegineovolcanic center, Greater Caucasus), Georgia. **Ketevan Gabarashvili**, Manana Togonidze, Giorgi Vashakidze, Manana Kavsadze. 34th IAS Meeting of Sedimentology. 10 - 13 September 2019, Roma. Abstracts book, pp. 548.
4. Comparative analysis of interflow horizons in Mtkvari/Kura River flood basalts (Javakheti Volcanic Province), Georgia. **Ketevan Gabarashvili**, Manana Kavsadze, Koba Lobzhanidze, Giorgi Vashakidze, Miriani Makadze, Purva Gadpallu. 34th IAS Meeting of Sedimentology. 10 - 13 September 2019, Roma. Abstracts book, pp. 549.
5. Jurassic Pillow Basalt Lavas (Southern Slope of the Caucasus, Georgia) and Relkated Ornamental and Facing Stones. K. Lobzhanidze, I. Akhvlediani, T. Beridze, **K. Gabarashvili**. VII International Scientific Conference of Young Scientists & Students. Azerbaijan, Baku 15-18 October 2018. Abstracts, pp. 177-179.
6. Are the reddened weathering horizons between the Khertvisi and Toloshi basalt flows (Akhalkalaki volcanic plateau, Georgia) Bole beds? M. Kavsadze, T. Beridze, **K. Gabarashvili**, K. Lobzhanidze, G. Vashakidze, M. Togonidze. 4th International Scientific-Practical Conference on Up-to-date Problems of Geology, Tbilisi, 29-30 May, 2018. Abstracts, pp. 49-51.
7. Quartz in Mkinvartsveri (Kazbegi) quaternary lavas. **K. Gabarashvili**, I. Akhvlediani, V. Lebedev, A. Parfenov, M. Togonidze, G. Vashakidze. 4th International Scientific-Practical Conference on Up-to-date Problems of Geology, Tbilisi, 29-30 May, 2018. Abstracts, pp. 25-28.
8. Shirimi – Georgian Travertine. Manana Kavsadze, Otar Dudaury, Manana Togonidze, Giorgi Vashakidze, **Ketevan Gabarashvili**, Tamar Beridze. 15th Swiss Geoscience Meeting. Davos, 17-8 November, 2017. Abstracts, pp. 142-143.
9. Morphological Features of Chkheri (the Great Caucasus) and Khertvisi (Southern Georgia) LavaFlows. **Ketevan Gabarashvili**, Koba Lobzhanidze, Tamar Beridze, Giorgi Vashakidze, Manana Kavsadze, Manana Togonidze. 15th Swiss Geoscience Meeting. Davos, 17-18 November, 2017, Abstracts, pp. 117.
10. Physical volcanology of the exposed near village Khertvisi (Southern Georgia) lava flow relict: the preliminary study results. T. Beridze, G. Vashakidze, **K. Gabarashvili**, K. Lobzhanidze, M. Kavsadze, M. Togonidze, I. Dograshvili. 3rd International Scientific-Practical Conference on Up-to-date Problems of Geology, Tbilisi, Georgia, 1-2 June 2017. Abstracts, pp. 36-39.
11. Quaternary andesitic lava exposure within the Gveleti massif. **K. Gabarashvili**, A. Parfenov, V. Lebedev, G. Vashakidze, M. Togonidze. 3rd International Scientific-Practical Conference on Up-to-date Problems of Geology, Tbilisi, Georgia, 1-2 June, 2017. Abstracts, pp. 26-29.
12. Flow and Cooling Textures of Mkinvartsveri Lava Flows. **K. Gabarashvili**. GTU, Students 84th International Scientific Conference. Tbilisi, Georgia, 2017. Abstracts, pp. 129.
13. Textures and Composition of Kazbegi Basalt Breccia (the Great Caucasus, Georgia) as Recognition Features of High-quality Facing and Ornamental Stone. K. Lobzhanidze, I. Dograshvili, T. Beridze, **Q. Gabarashvili**, I. Akhvlediani. The 8-th International Siberian Early Career GeoScientists Conference. Novosibirsk (Russia), 13-24 June 2016. Abstracts, pp. 45-46.
14. The Belt of Pleistocene Dacitic Dikes and a Large Dike in the Glacial Gorge of Zopkhito, within the Limits Upper Racha. O. Dudaury, M. Togonidze, V. Lebedev, **K. Gabarashvili**, **K. Lobzhanidze**. Scientific-Practical Conference on Up-to-date Problems of Geology, Tbilisi, Georgia, 23-24 April, 2015. Abstracts, pp. 40-46.

15. History of Kazbek Neovulcanic center (Greater Caucasus) (based on Isotope-Geochronological date). A. Parfenov, V. Lebedev, G. Vashakidze, K. **Gabarashvili**. 1st International Scientific Conference of young scientists and specialists. Baku, 2014, Abstracts, pp. 140-142.
16. Holocene Volcanism of the Kazbegi Volcanic Region. G. Maisuradze, **Q. Gabarashvili**, O. Dudaury. Caucasus Active Tectonics and Magmatism - Hazards and Resources. Tbilisi, 2013. Abstracts, pp. 19-20.
17. Composition and Geological Position of Banded Rocks of the Darial River Valley. Lobzhanidze K.Z., **Gabarashvili Q. A.**, Dograshvili I. M. The 5th International Scientific Conference of Young Scientists and Students, Azerbaijan, Baku, 2013. Abstracts, pp. 191-193.
18. Main phase of magmatic activity of Keli volcanic center (Greater Caucasus). G. Vashakidze, V. Lebedev, R. Akhvlediani, **Q. Gabarashvili**. The international scientific conference "Problems of geology of the Caucasus", dedicated to the 85-th anniversary of Alexandre Janelidze Institute of Geology. Tbilisi, 2010. Abstracts, pp. 114-115.
19. Are the banded rocks of the Daryal gorge a part of the Kistinka suite? O. Dudaury, **Q. Gabarashvili**, K. Lobzhanidze, I. Dograshvili. The international scientific conference "Problems of geology of the Caucasus", dedicated to the 85-th anniversary of Alexandre Janelidze Institute of Geology. Tbilisi, 2010. Abstracts, pp. 24-25.

Additional information

2012 - up-to-present – Member of the Scientific Board Mineralogical Society of Georgia.

2019 - up-to-present – Member of the International Association of Sedimentologists (IAS).