



**Koba Lobzhanidze**

**Position**

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

**Scientific/academic degree, title**

Master of Geology

**Contact information**

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**Education**

2001-2005 - Georgian Technical University, Department of Mining and Geology (Bachelor of Geological Engineering).

2005-2007 - Georgian Technical University, Department of Mining and Geology (Master of 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, basin analysis and depositional environments reconstruction, volcanic facies analysis, connection of volcanism with ore formation; sedimentology and ichnology.

**Publications**

1. Alfred Uchman, Zurab Lebanidze, Tamar Beridze, Nino Kobakhidze, **Koba Lobzhanidze**, Davit Makadze, Sophio Khutsishvili, Rusudan Chagelishvili, Kakha Koiava, Nino Khundadze (2022). Revision of the trace fossil Megagraption Ksiazkiewicz, 1968 with focus on Megagraption

- aequale Seilacher, 1977 from the lower Eocene of the Lesser Caucasus in Georgia. *Geological Quarterly*, 2022, 66: 8. p. 19-39. DOI: <http://dx.doi.org/10.7306/gq.1640>
2. *Alfred Uchman, Zurab Lebanidze, Nino Kobakhidze, Tamar Beridze, Davit Makadze, Koba Lobzhanidze, Sophio Khutsishvili, Rusudan Chagelishvili, Kakha Koiava, Nino Khundadze* (2022). Unusual echinoid resting trace records change in the position of the redox boundary (Palaeogene of the Lesser Caucasus in Georgia). *Acta Geologica Polonica*. Article in press. DOI:10.24425/agp.2022.140429
  3. *Alfred Uchman, Zurab Lebanidze, Tamar Beridze, Nino Kobakhidze, Koba Lobzhanidze, Sophio Khutsishvili, Rusudan Chagelishvili, Davit Makadze, Kakha Koiava, Nino Khundadze* (2020). "Abundant trace fossil *Polykampton* in Palaeogene deep-sea flysch deposits of the Lesser Caucasus in Georgia: Palaeoecological and palaeoenvironmental implications" *PALAEO* (Palaeogeography, Palaeoclimatology and Palaeoecology), vol. 558, 109958 Elsevier, pp. 2-17 (16) <https://doi.org/10.1016/j.palaeo.2020.109958>
  4. *G. Vashakidze, M. Togonidze, V. Lebedevi, K. Lobzhanidze* (2020). Eocene magmatism within the Loki massif. *Proceedings of the Janelidze Institute of Geology. New series*, vol.132. Pp. 103-110.
  5. *S. Kekelia, M. Kekelia, N. Gagnidze, I. Mshvenieradze, K. Lobzhanidze, N. Popkhadze, G. Kharazishvili* (2020). Search Model for Gold-Quartz-Low Sulphide Mines (Southern Slope of the Great Caucasus, Georgia). *Proceedings of the Janelidze Institute of Geology. New series*, vol.132. pp. 78-88.
  6. *S. Kekelia, M. Kekelia, G. Asatiani, N. Gagnidze, I. Mshvenieradze, Koba Lobzhanidze, N. Popkhadze, G. Kharazishvili* (2020). Gold-quartz-low sulfide mining and gold potential of the Southern slope of the Great Caucasus (within Georgia). *Proceedings of the Janelidze Institute of Geology. New series*, vol. 132, pp. 66-77.
  7. *Sergo Kekelia, Maren Kekelia, Nino Popkhadze, Ira Mshvenieradze, Nona Gagnidze, Giorgi Asatiani, Koba Lobzhanidze* (2017). Geological Setting and Genetic Model of the Zopkhito Prospect (southern slope of the Greater Caucasus, Georgia). *Bulletin of the Georgian National Academy of Sciences*, vol.11, no.4, pp. 60-65. ISSN-0132-1447.
  8. *Sergo Kekelia, Maren Kekelia, Nona Gagnidze, Nino Popkhadze, Ira Mshvenieradze, Koba Lobzhanidze, Giorgi Kharazishvili* (2017). Svaneti Gold Deposits (Kirar-Abakuri Ore Knot) and Their Genesis. *Bulletin of the Georgian National Academy of Sciences*, vol. 11, № 2, pp. 60-68. ISSN-0132-1447.
  9. *S. Kekelia, M. Kekelia, G. Asatiani, N. Gagnidze, N. Popkhadze, K. Lobzhanidze, G. Kharazishvili*. Gold Potential of Georgia (2016). *Bulletin of the Georgian National Academy of Sciences*, vol. 10, no. 4, pp.41-49. ISSN-0132-1447.
  10. *O. Dudaury, M. Togonidze, V. Lebedev, G. Vashakidze, Q. Gabarashvili, K. Lobzhanidze* (2015). Stages of Development of Neogene-Quaternary Acid Magmatism on the Southern Slope of the Great Caucasus in Upper Racha and Lower Svaneti (In Georgian). *Al. Janelidze Institute of Geology of Iv. Javakishvili Tbilisi State University, Proceedings. New Series*, vol. 127, pp.123-134.
  11. *K. Lobzhanidze* (2010). Composition and Genesis of Breccia-Basalt-Kazbegi Facing Stone (In Georgia). *Al. Janelidze Institute of Geology, Proceedings. New series*, vol. 125, pp. 199-203.

### Citation index

Scopus - 6, h - 2; Google Scholar - 11, h -2.

### Participation in scientific events

1. Ichnological-sedimentological indicators of deep-sea environment in Lower Eocene deposits of the Borjomi region (Georgia). Tamar Beridze, Zurab Lebanidze, Alfred Uchman, **Koba Lobzhanidze**, Sophio Khutsishvili, Rusudan Chagelishvili, Nino Kobakhidze, Davit Makadze.

- 35<sup>th</sup> IAS international meeting of sedimentology, 2021, June 21-25, Prague Czech Republic, In: Book of Abstracts, pp. 55-56.
2. Physical volcanology of the lava flows and associated interflow horizon at Toki section, South Georgia. Tamar Beridze, Ketevan Gabarashvili, Purva Gadpallu, Manana Kavsadze, Giorgi Vashakidze, **Koba Lobzhanidze**. 35th IAS Meeting of Sedimentology, 2021, June 21-25, Prague Czech Republic, In: Book of Abstracts, pp. 54.
  3. The trace fossil *Polykampton georgianum* horizon in the Paleocene deposits of the Achara-Trialeti fold-and-thrust belt (Georgia). Zurab Lebanidze, Alfred Uzman, Tamar Beridze, Nino Kobakhidze, **Koba Lobzhanidze**, Sophio Khutsishvili, Rusudan Chagelishvili, Davit Makadze, Kakha Koiava, Nino Khundadze. 19th Swiss Geoscience Meeting, 2021, 10-15 November, Geneva, Switzerland, In: Book of Abstracts, pp. 29.
  4. Trace fossils in Paleocene-Lower Eocene deep-sea sediments of the eastern segment of the Achara-Trialeti Fold-Thrust Belt. Nino Kobakhidze, Zurab Lebanidze, Tamar Beridze, Davit Makadze, Alfred Uzman, Rusudan Chagelishvili, **Koba Lobzhanidze**, Sophio Khutsishvili, Kakha Koiava, Nino Khundadze. 19th Swiss Geoscience Meeting, 2021, 10-15 November, Geneva, Switzerland, In: Book of Abstracts, pp. 27-28.
  5. New data on Upper Eocene deep-sea trace fossils in the Lisi Anticline, Georgia. Ms. Nino Kobakhidze, Zurab Lebanidze, Ms. Tamar Beridze, Davit Makadze, **Koba Lobzhanidze**, Alfred Uzman. 34<sup>th</sup> IAS international meeting of sedimentology. 2019, 10-13 September, Rome, Italy. In: Book of Abstracts. ISBN 978-88-944576-2-9.
  6. Comparative analysis of interflow horizons in Mtkvari/Kura River flood basalts (Javakheti Volcanic Province), Georgia. Ms. Ketevan Gabarashvili, Manana Kavsadze, **Koba Lobzhanidze**, Giorgi Vashakidze, Miriani Makadze, Ms. Purva Gadpallu. 34<sup>th</sup> IAS international meeting of sedimentology. 2019, 10-13 September, Rome, Italy. In: Book of Abstracts, pp. 549. ISBN 978-88-944576-2-9
  7. 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. Baku, Azerbaijan, 15-18 October 2018. Abstracts, pp. 177-179.
  9. 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.
  8. Prospecting Model For Gold-Quartz-Low Sulfide Occurrences (Southern Slope Of The Greater Caucasus, Georgia). S. Kekelia, M. Kekelia, N. Gagnidze, N. Popkhadze, **K. Lobzhanidze**, I. Mshvenieradze. 4th International Scientific-Practical Conference on Up-to-date Problems of Geology, Tbilisi, 29-30 May, 2018. Abstracts, pp. 52-54.
  10. Morphological Features of Chkheri (the Great Caucasus) and Khertvisi (Southern Georgia) Lava Flows. Ketevan Gabarashvili, **Koba Lobzhanidze**, Tamar Beridze, Giorgi Vashakidze, Manana Kavsadze, Manana Togonidze. 15th Swiss Geoscience Meeting. Davos, 17-18 November, 2017, Abstracts, pp. 117.
  11. 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.
  12. Geological Setting and Genetic model of the Zopkhito prospect (Southern slope of the Greater Caucasus, Georgia). S. Kekelia, M. Kekelia, N. Popkhadze, I. Mshvenieradze, G. Asatiani, N. Gagnidze, **K. Lobzhanidze**. 3rd International Scientific-Practical Conference on Up-to-date Problems of Geology, Tbilisi, Georgia, 1-2 June 2017. Abstracts, pp. 65-66.
  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. Dudaui, M. Togonidze, V. Lebedev, K. Gabarashvili, **K. Lobzhanidze**, I. Dograshvili. Scientific-Practical Conference on Up-to-date Problems of Geology, Tbilisi, Georgia, 23-24 April, 2015. Abstracts, pp. 40-46.
  15. 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.
  16. Are the banded rocks of the Daryal gorge a part of the Kistinka suite? O. Dudaui, 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.

### **Scientific projects**

1. 2015-2018 - LEPL Shota Rustaveli National Science Foundation of Georgia of Ministry of Education and Science of Georgia FR/8/1-152/14. Development of geological-genetic prognostic basis for quartz-low sulfide vein type gold deposits, on the example of Upper Svaneti region (Georgia) - Key Researcher.
2. 2019-2022 - LEPL Shota Rustaveli National Science Foundation of Georgia of Ministry of Education and Science of Georgia FR-18-3765. Ichnology and Sedimentology of the Paleocene-Lower Eocene Sediments in the Achara-Trialeti Fold-and-Thrust Belt, Georgia - Key Researcher.