



Levan Bacheleishvili

Position

Aleksandre Janelidze Institute of Geology, Department of Regional Geology and Tectonics, Senior Researcher

Scientific/academic degree, title

Candidate of Geologic-Mineralogical Sciences (1987).

Dissertation: Tectonics of the Adjara-Trialeti fold zone and the contact zone of the Georgian Belt.

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Education

1974 - 1979 - Georgia Polytechnical Institute, Mining engineer-geologist.

Employment history

1980-1984 - Graduate student of the Department of Tectonics of Geological Institute of the Georgian Academy of Sciences.

1986-1988 - Researcher of the Department of Tectonics of Geological Institute of the Georgian Academy of Sciences.

1988 -up to date - Senior Researcher in the Department of Regional Geology and Tectonics, Al. Janelidze Institute of Geology of Iv. Javakishvili Tbilisi State University.

Research interests

Structural Geology, Tectonics, Seismotectonics.

Publications

1. **L. Basheleishvili**, M. Kumelashvili, N. Tevdorashvili, T. Razmadze-Brockishvili (2020). Tectonic Indentation and Morpho-Kinematics of the Related Structures. Proceedings of the AL Janelidze Institute of Geology, TSU. New series, v132, pp. 135-144.
2. **Irakli Gamkrelidze**, Avtandil Okrotsvaeridze, Fernando Maisadze, **Levan Basheleishvili**, Giorgi Boichenko and Irakli Skhirtladze (2019). Main Features of Geological Structure and Geotourism Potential of Georgia, the Caucasus. Modern Environmental Science and Engineering. Volume 5, No.5, pp. 422-442.
3. G. Maisuradze, T. Giorgobiani, D. Zakaraia, **L. Basheleishvili** (2017). Geological and Geomorphological investigations of the Javakheti plateau (south Georgian). Bull. of the Georgian Academy of Science, v.2, n. 4, pp. 35-40.
4. **L. Basheleishvili** (2015). Genesis of the Seismodislocations in the Epicenter Area of the Racha Earthquake. Journal "Georgia Oil and Gas", N30, 2015, pp. 45-53.
5. **Basheleishvili L.**, Kumelashvili M., Goshuani M. (2014). Late Cretaceous structures of the Kura oil and gas region. J. Oil and Gas of Georgia. No. 29, pp. 47-50.
6. **Basheleishvili L.** (2013). Geological interpretation of geophysical data and deep structure of Eastern Georgia. J. Energy, No. 1 (65), pp. 91-92.
7. **Basheleishvili L.**, Kumelashvili T. (2013). Identification of models and natural tectonic structures of some regions of the Caucasus in Eastern Georgia. J. Energy, No. 1 (65), pp. 90-91.
8. **Basheleishvili L.**, Kumelashvili T., Razmadze T. (2012). Structural forms associated with the mechanism of indentation and arc formation in some regions of the Caucasus. J. Energy, No. 1 (61), pp. 82-84.
9. **L. Basheleishvili**, M. Kumelashvili (2012). The ramp structure of the Tsivgombori ridge and its paragenetic relationship with the Alazni ridge. "Mining Journal". N 1(28), pp. 23-26.
10. **Basheleishvili L.**, Kumelashvili M. (2011). Strike-slip deformations of molasse basins in the Georgian part of the Caucasus. "Mining Journal", No. 1 (26), pp. 16-18.
11. **L. Basheleishvili**, M. Kumelashvili, N. Tevdorashvili (2009). Structural asymmetry of the southern segment of the Gare-Kakheti molasse rift. "Georgian Oil and Gas". Tbilisi, N 25, pp. 38-42.
12. **Basheleishvili L.**, Kumelashvili M. (2008). Kinematics and morphogenesis of the block structure of the intermountain molasse basins of the Caucasus (Georgia). Proceedings of the Institute of Geology. New ser. issue 124, pp. 61-68.
13. I. Gamkrelidze, G. Nadareishvili, **L. Basheleishvili**, et al (2008). On Genesis of Tbilisi olistostromes. Proceedings, Alexandre Janelidze Institut of Geology. New ser. 124, p. 24-29.
14. Okrostsvaridze, A., Bluashvili, D., **Basheleishvili, L.** (2007). Questions of the formation of the continental crust of the Dzirula uplift of the Black Sea - Transcaucasian terrane. Proceedings of Inter. Sci. Session, Baku. pp. 50-52.
15. **Basheleishvili L.**, Kumelashvili M. (2006). Development of the Kolkheti Depression in Maikop Time. "Oil and Gas of Georgia", No. 18, pp. 48-52.
16. **Basheleishvili L.**, Kumelashvili M. (2005). On the prospects for the oil and gas potential of the junction of the Achara-Trialeti Zone and the Georgian block. Oil and Gas of Georgia, No. 16, pp. 49-51.
17. **Basheleishvili L.**, Kumelashvili M. (2005). Geometry and genesis of thrust-thrust structures of the East Georgian molasse basin and the Georgian block. Oil and Gas of Georgia, No. 14, pp. 39-46.

18. *Okrostsvaridze, A., **Basheleishvili L.*** (2004). Stages in the formation of the continental crust of the Dzirula uplift of the Black Sea-Transcaucasian terrane. Proceedings of the Georgian Academy of Sciences. New. Ser. v.119 pp. 433-446.
19. ***Basheleishvili L.**, *Kuloshvili S.** (2004). Morphokinematics of Shear Deformations in the Georgian Part of the Caucasus. Proceedings of Georgian Academy of Sciences. New. Ser. v. 119. pp 90-97.
20. *Ahmedbeyli G.S, Kangarli T.N., Bairamov A.A., Kurbanov V.V., Aliyev A.M., Gamkrelidze I.P., Djavakhishvili Z.A., **L. Basheleishvili**, Nadareishvili L.B.* (2001) Fault investigation of the Shakh-Deniz pipeline "CHEVRA", Baku, p. 1-47.
21. *I. Gamkrelidze, **L. Basheleishvili et al*** (2000). Information collection and georisk status determine along the route of the westward export oil pipe-line. Archive of BP. 3-12, pp. 3-12.
22. *R. Gambashidze, G. Lobjanidze, S. Kuloshvili, **L. Basheleishvili et al*** (1999). Geological-Structural position of the Racha earthquake of april 29. 1991. Journal of Georgian geophysical society. Vol. 4. 1999. Issue A. P.97-101.
23. ***L. Basheleishvili*** (1999). Structural associations of the basement and sedimentary cover of the Georgian part of the Caucasus. Basement Tectonics-13, A.K.Sinha (ad).Printed in the Netherlands, pp. 25-32.
24. ***Basheleishvili L.*** (1989). Tectonics of the junction of ATZ and GG. Moscow, Geotectonics, No. 4, pp. 77-86.
25. *Gamkrelidze I. P., Giorgobiani T. V., **Basheleishvili L. V. et al*** (1989). Tectonic research at the Geological Institute. Acad. Sci. GSSR. Geology and minerals of the Caucasus. "Metsniereba", pp. 79-89.
26. ***Basheleishvili L.*** (1986). Kinematics of the Alpine deformation of the ATZ and GG of the Transcaucasian median massif. Proceedings of conf. ("Second national school" in Sofia). pp. 215-222.
27. *Gamkrelidze I. P., Giorgobiani T. V., **Basheleishvili L. V.**, Zakaraya D. P.* (1985). Experiments on modeling of transformed folded structures of some zones of the Caucasus. Soobsch. Acad. Sci. GSSR, 120, No. 2, pp. 337-340.
28. ***Basheleishvili L.*** (1985). Features of the tectonic structure of the northern periphery of the eastern segment of the ATZ. Soobsch. Acad. Sci. GSSR. 119, No. 3, pp. 557-559.
29. ***Basheleishvili L.*** (1984). Features of the structure of the foothill foredeep. Soobsch. Acad. Sci. GSSR, 115, No. 3, pp. 569-571.
30. ***Basheleishvili L.**, Burtman V.S., Gamkrelidze I.P.* (1982). On the nature of the articulation of the ATZ and the Dziruli massif. DAN. USSR, v. 266 N.1, pp. 196-198.

Citation index

Web of Science: 10, h-index-2; Google scholar: 31, h-index-3.

Participation in scientific events

1. Structure and morphology of the crystalline substrate of the southern Caucasus intermountain area (in the limits of Georgia). **L. Basheleishvili**, M.Kumelashvili. 7th International Scientific-Practical Conference on up-to-date Problems of Geology. Tbilisi, Georgia. Book of Abstracts. 2021, pp. 26-27.
2. Regressive sediments and folding phases. Materials of the IX All-Russian Lithological Conference. F. Maisadze, **L. Basheleishvili**. Kazan. 2019. Pp. 267-268.

3. Modeling of Echelon-Like Folds Formed by the advance of Arc-Like Covering Plate **L. Basheleishvili**. International Scientific-practical Conference on up-to-date Problems of Geology Tbilisi, Georgia. 2016. P. 19
4. Fault Kinematics and seismotectonics of Georgia. **L. Basheleishvili**. International Scientific-practical Conference on up-to-date Problems of Geology. 2016. Book of abstracts, p. 17-18
5. Comparative Analysis of Seismodislocation Processes of some strong Earthquakes of the Caucasus and Turkey. **L. Basheleishvili**. INTERNATIONAL Scientific Conference. 2013. London.
6. New Interpretation of Kinematics and Morphogenesis of Block Structures of the Black Sea-Central Transcaucasian Terrane. **L. Basheleishvili** Goldschmidt 2013. Italy, Florence.
7. New Interpretation of Kinematics and Morphogenesis of Molasse Depression Block Structures of the Caucasus. **L. Basheleishvili**. The 2nd Conference on Slope Tectonics Vienna, Austria, 2011.
8. Hercynian granitoid melts generation in the inner Caucasion Microplate. A. Okrostsvaridze, **L. Basheleishvili**. 33rd International Geological congress, Oslo, 2008.
9. Questions of the formation of the continental crust of the Dzirula uplift of the Black Sea-Transcaucasian terrane. A. Okrostsvaridze, **L. Basheleishvili**. Materials Intl. Scientific Conferences, Yekaterinburg, 2006, p. 221-223.
10. Fault Cinematics and seismotectonics of Georgia **L. Basheleishvili, S.Kuloshvili**. 1-st International Symposium of the Faculty of Mines on Earth Sciences and Engineering. Istanbul, Abstracts. 2002. p.47.
11. Active Faults and Seismotectonics of Georgia and Adjacent parts of East Anatolia. **L. Basheleishvili, S.Kuloshvili**. Fourth International Turkish Geology Symposium, Adana (Turkey) Abstracts. 2001, p.187.
12. Geology and petroleum potential of the Kolkheti depression (Western Georgia). **L. Basheleishvili**. 3-rd International Conference on the Petroleum Geology of the Black and Caspian Seas Areas. Bucurest. Abstracts. 1998, p. 116.
13. Genesis of the seismodislocations in the epicenter of the Racha earthquake. **L. Basheleishvili** European Geophysical society. Abstracts, Springer, Germany, V. n1. 1999. p.854.
14. Nappe structure "Sakraula" and associated shows of petroleum (S.W. Georgia). **L. Basheleishvili**. 2-nd International Symposium on the Petroleum Geology of the Black Sea Area. Istanbul. Abstracts 1996. p. 2.
15. Parageneses structure of the Basement and sedimentary cover of the Georgian. **L. Basheleishvili**. 30th International Geological Congress, Beijing, Abstracts. 1996.
16. Extension structures of consolidated crust of the Transcaucasian intermontane depression (latitude-profile). **L. Basheleishvili**. European Geophysical Society Annals. 1993. V. 11, p.56.
17. Structure and kinematic evolution of molas depressions in Georgia. **Basheleishvili L.** Abstracts of reports. int. symposium. "Geodynamic evolution of sedimentary basins", Moscow. 1992, p. 12.
18. Geometry of nappe-thrust structures of the alpine molasse depressions in Georgia. **Basheleishvili L.** Abstracts of Reports. Session "Nappe-thrust tectonics and prospecting for minerals." Ufa. 1992. p. 7.
19. Strike-slip components of the thrust-thrust structures of the Georgian boulder and the Achara-Trialeti folded zone. **Basheleishvili L.** Abstracts of the Conf. "Fault formation in the lithosphere", Irkutsk. 1990. p. 9.
20. Overthrust structures of the Upper Kura depression in connection with the prospects for oil and gas. **Basheleishvili L., Barabadze T. G.** Abstracts of Reports. Conf. Young Scientists and Specialists, Baku. 1988, p.37.

21. Kinematics of the late Alpine deformation of the ATZ and GG of the Transcaucasian median massif. **Basheleishvili L.** Abstracts of Reports of the Second National School on Geology. Sofia. 1986. p. 46.
22. Tectonic structure of the Achara-Imereti ridge in connection with the prospects for oil and gas potential. Basheleishvili L. Abstracts of Rep. Conf. Young Scientists and Specialists Tbilisi. 1984, pp.183-184.

Grant projects

1. "Mechanism of formation of Caucasian Alpine geodynamics and tectonic structures". 1999-2005. Georgian Academy of Sciences, Main Performer.
2. "Elaboration of a geological-structural section along the Military Road of Georgia", 2006-2009. Shota Rustaveli National Science Foundation of Georgia (GNSF\ST06\5-037), Main Performer.
3. Study of volcanic safety issues of Baku - Jeyhan oil pipeline. (Georgian segment), 2008-2009, NATO Budget Project (ESAEAP.CLG 9829070), Main Performer.

Additional information

2017-2018 - Member of the Representative Council of Iv. Javakishvili Tbilisi State University.