



Tamar Tsutsunava

Position

Director of the Alexandre Janelidze Institute of Geology, Chief Scientist of the Department of Petrology, Volcanology, Mineralogy and Lithology.

Scientific/academic degree, title

Doctor of geol-miner. Sciences (2005), Academician of the Engineering Academy of Georgia.
Dissertation topic: "Low-temperature regional metamorphism of the Caucasus".

Contact information

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Education

1977-1982 – Polytechnic Institute of Georgia, Faculty of Mining and Geology, mining engineer-geologist;

1979-1982 – Polytechnic Institute of Georgia, Translator of scientific and technical literature, specialty English language.

Employment history

2017 - present – Chief Scientist of the Department of Petrology, Volcanology, Mineralogy and Lithology of Alexandre Janelidze Institute of Geology.

2011 - 2017 – Chief Scientist of the Department of Petrology of Alexandre Janelidze Institute of Geology.

2005-2011 – Senior Scientist of the Department of Petrology of Alexandre Janelidze Institute of Geology.

1991-2006 – Lecturer of the Department of Mineralogy, Petrography and Geochemistry of the Technical University of Georgia.

1995-2005 – Senior Scientist of the Department of Petrology, Mineralogy and Geochemistry of Alexandre Janelidze Geological Institute.

1985-1994 – Junior Scientist of the Department of Petrology, Mineralogy and Geochemistry of Alexandre Janelidze Geological Institute.

Research interests

Petrology of igneous and metamorphic rocks, isotopic geochronology, geothermobarometry.

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 the Beshta and Kamenistaya intrusions (the Greater Caucasus). *ActaGeochimica*.
<https://doi.org/10.1007/s11631-022-00558-7>
2. *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>
3. *D. Shengelia, G. Chichinadze, T. Tsutsunava, G. Beridze, I. Javakhishvili* (2020). On the Regional Metamorphism of pre-Variscan Orthogneisses of Beshta and Mount Kamenistaya Inlier. *Proceedings of Al. Janelidze Institute of Geology, New Series, №132*, pp. 26-36. (in Georgian).
4. *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). Monograph, Al. Janelidze Institute of Geology, New Series, no. 131. 87 p. (in Georgian).
5. *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.
6. *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.
7. *K. Vardanashvili, D. Shengelia, T. Tsutsunava, G. Chichinadze, N. Maisuradze* (2017). New Geologic-petrological Data on the Klichy Gabbro-diorite Intrusive (the Caucasus)”. *Bulletin of the Georgian National Academy of Sciences*, vol. 11, №2, pp. 76-80.
8. *B. Tutberidze, T. Tsutsunava* (2015). Geological Problems of the Cave Monastery Complex of Vardzia (Georgia). Springer Intern. Publishing, Engineering. Chapter: Engineering Geology for Society and Territory, vol. 8, pp. 483-486.
9. *D. Shengelia, T. Tsutsunava, G. Chichinadze, G. Beridze* (2015). New Data on the Metamorphism of the Dizi Series. *Proceedings of Al. Janelidze Institute of Geology, New Series, № 127*, pp. 117-123 (in Georgian).

10. *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
11. *E. Gamkrelidze, D. Shengelia, O. Dudaui, T. Tsutsunava, G. Chichinadze* (2014). Precambrian Regional Metamorphism and Magmatism of Georgia and Geodynamics of the Caucasus. Mineralogical Journal (Ukraine), vol. 36, N3, pp. 98-113.
12. *I. Gamkrelidze, D. Shengelia, T. Tsutsunava* (2012). Pre-Alpine Geodynamics of the Caucasus, Multistage Regional Metamorphism and Granitoid Magmatism. Proceedings of the World Forum "Natural Cataclysms and Global Problems of the Modern Civilization", London, pp. 208-217.
13. *F. Maisadze, T. Tsutsunava* (2012). Geological Catastrophes and Event Deposits. Proceedings of the World Forum "Natural Cataclysms and Global Problems of the Modern Civilization", London, pp. 217-224.
14. *I. Gamkrelidze, D. Shengelia, T. Tsutsunava, Sun-Lin Chung, Han-Yi Chiu, K. Chikhelidze* (2011). New data on U-Pb zircon age of pre-Alpine crystalline basement of the Black-Sea-Central Transcaucasian terrane and its geological significance. Bulletin of Georgian National Acad. of Sci., Vol. 5, №1. pp. 119-131.
15. *T. Tsutsunava* (2010). Some mineral transformations in the process of anchymetamorphism. Al. Janelidze Institute of Geology, Proceedings, New series, vol. 125, pp. 62-73 (in Georgian).
16. *T. Tsutsunava, L. Shubitidze, K. Chikhelidze, K. Tediashvili* (2010). Petrochemical-geochemical peculiarities of the pre-Alpine metabasites of the Dzirula crystalline massif. Al. Janelidze Institute of Geology, Proceedings, New series, vol. 125, pp. 151-164 (in Georgian).
17. *D. Shengelia, T. Tsutsunava, G. Chichinadze, N. Maisuradze, Q. Vsrdanashvili* (2010). Petro- and Geochemistry of Early Variscan (Bretonian) Granitoids of the Greater Caucasus. Al. Janelidze Institute of Geology, Proceedings, New series, vol. 125, pp.8-24.
18. *T. Tsutsunava* (2010). Nino Tatrishvili and Giorgi Zaridze - founders of the Georgian School of Petrology (dedicated to their 100th anniversary). Al. Janelidze Institute of Geology, Proceedings, New series, vol. 125, pp. 5-8 (in Georgian).
19. *D. Shengelia, I. Gamkrelidze, T. Tsutsunava, G. Chichinadze, N. Maisuradze, K. Vardanas hvili* (2008). About Geochemistry of Early Variscan Granitoids of the Main Range Zone of the Caucasus. Bull. Acad. Sci. of Georgia, v. 2 N.2, pp. 56-63.
20. *Shengelia D., Gamkrelidze I., Tsutsunava T., Shubitidze L.* (2008). New Petro- and Geochemical Data on Precambrian Magmatites of the Caucasus. Al. Janelidze Institute of Geology, Proceedings, New series, vol. 124. Pp. 190-203.
21. *Shengelia D., Gamkrelidze I., Tsutsunava T., Shubitidze L.* (2008). Petro- and Geochemistry of Late Variscan Granitoids of the Caucasus. Al. Janelidze Institute of Geology, Proceedings, New series, vol. 124. Pp. 204-221.
22. *Zviadadze U., Tsutsunava T., Mardashova M.* (2007). Influence of Ship-Canal of the Black Sea Terminal on Hydrochemistry of the river Khobistskali Estuary. Transactions of International Acad. Sci. H&E, Baku- Insbruck, Special Edition, pp. 756-759.
23. *Shengelia D., Tsutsunava T., Shubitidze L.* (2006). New Data on Structure, Composition and Regional Metamorphism of the Tsakhkunyats and Akhum-Asrikchay Massifs (the Lesser Caucasus). Doklady of Acad. Sci. of Russia. V. 409. № 6. Pp. 1-6.

24. *K. Chikhelidze, T. Tsutsunava, L. Shubitidze* (2006). Petrology of Late Hercynian granites of Dzirula massif. Journ. "Oil and Gas of Georgia", N18, pp. 60-65 (in Georgian).
25. *A.Z. Akimidze, T.N. Tsutsunava* (2006). Distribution of some microelements in granitoids of the Tyrnyauz tungsten-molybdenum deposit (Northern Caucasus). Proceedings of Technical University of Georgia, N1 (459), pp.29-33 (in Russian).
26. *T.N. Tsutsunava* (2006). Low-temperature regional metamorphism of the Caucasus. Abstract doc. diss., Tbilisi, 39p. (in Russian).
27. *Shengelia D., Tsutsunava T.* (2005). New data on metamorphic complexes of the Miskhan crystalline massif. Bull. Georgian Acad. of Sci. V. 173, N 2. Pp. 55-63.
28. *Tsutsunava T., Shubitidze L.* (2005). New data on low-temperature metamorphites of Murguz crystalline projection and Amasia-Sevan-Akera ophiolite belt. Bull. Georgian Acad. of Sci. V. 172, N 1. Pp. 43-46.
29. *Tsutsunava T.N., Korikovskiy S.P.* (2005). Anchimetamorphic Metasandstones of the Khrami Crystalline Massif, Georgia: Mineral Assamblages, Formation Conditions and Geological Setting. Doklady Earth Sciences (Acad. Sci. of Russia), V. 405A, N 9, pp. 1399-1403.
30. *I.Gamkrelidze, D.Shengelia, T. Tsutsunava* (2005). Precambrian Regional Metamorphism, Magmatism and Geodynamics of the Caucasus. Proc. of Bundelkhand University, Jhansi, India. Special Issue, pp.195-200.
31. *Gamkrelidze I., Shengelia D., Dudauri O., Tsutsunava T.* (2004). Precambrian Time in the Caucasus. Mineralogical Journal (Ukraine), v.26, N3, p. 53-61.
32. *T.N. Tsutsunava* (2004). From diagenesis to metamorphism. Proceedings of Al. Janelidze Institute of Geology of Georgian Acad. Sci. New series, vol. 119, pp. 468-475 (in Russian).
33. *T.N. Tsutsunava, N. G. Tarkhan-Mouravi* (2002). About primary rocks of metamorphites of the Chorchana-Utslevi allochthonous complex of the Dzirula crystalline massif. Proceedings of Al. Janelidze Institute of Geology of Georgian Acad. Sci. New series, vol. 117, pp. 187-194 (in Russian).
34. *T. Tsutsunava*, (2001). New data on metamorphites of the Chorchana-Utslevi allochthonous complex (Dzirula massif). Proceedings of Technical University of Georgia, N6 (439), pp. 61-65 (in Georgian).
35. *T.N. Tsutsunava* (2000). Regional metamorphism of the Chorchana-Utslevi allochthonous complex (Dzirula massif). Proceedings of Al. Janelidze Institute of Geology of Georgian Acad. Sci. New series, issue 115, pp. 311-319.

Some works published before 2000

1. *Tsutsunava T.* (1997). Metamorphic Greenschist Facies of the Greater Caucasus within Georgia. Bull. of the Academy of Sciences of the GSSR, 155, №2, pp. 240-242.
2. *Shengelia D., Korikovskiy S., Chichinadze G., Mgaloblishvili I., Kakhadze R., Poporadze N., Somin M., Potapenko V., Ketskhoveli D., Okrostsvaridze A., Shengelia M., Tsutsunava T., Gerasimov B., Perchuk A.* (1991). Monograph – “Petrology of Metamorphic Complexes of the Greater Caucasus”. Moscow. “Nauka”. 232 p. (in Russian).
3. *D.M. Shengelia, T.N. Tsutsunava et al.* (1989). New data on metamorphic rocks of the Jentu tectonic cover in the North Caucasus. Bulletin of the Acad. Sci. of GSSR, issue 133, №2, 1989, pp. 342-344 (in Russian).

4. **T.N. Tsutsunava** (1988). New data on metamorphites of the Daryal massif. Bulletin of the Acad. Sci. of GSSR, issue 130, №1, pp. 117-120 (in Russian).
5. **T.N. Tsutsunava** (1987). On white potassium micas of the greenschist facies of Upper Svaneti. Bulletin of the Acad. Sci. of GSSR, issue 125, №3, pp. 585-588 (in Russian).
6. **Shengelia D., Chichinadze G., Ketskhoveri D., Mgaloblishvili I., Kakhadze R., Poporadze N., Tsutsunava T., Shengelia M.** (1986). Petrology of Metamorphites of the Atsgara Nappe in the North Caucasus. Bulletin of the Academy of Sciences of the USSR, series geology, №5, pp.17-25 (in Russian).

Participation in scientific forums of 2000-2022

1. Comparative characterization of Late Variscan granitoids of the Lesser Caucasus – petrography, geochemistry, geochronology and petrogenic model of formation. D.Shengelia, **T. Tsutsunava**, G. Beridze, G.Chichinadze, I. Javakhishvili. 8th International Scientific-Practical Conference on Up-to-date Problems of Mining and Geology. Tbilisi, 20-21 October, 2022.
2. On the possible analogue 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. 2021, Vienna, Austria, EGU21-837, <https://doi.org/10.5194/egusphere-egu21-837>
3. 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.
4. U-Pb LA-ICP-MS Geochronology of Polygenetic Zircons from Orthogneiss of the Beshta and Kamenistaya Massifs (the Greater Caucasus). D.Shengelia, G.Chichinadze, **T. Tsutsunava**, G.Beridze, I.Javakhishvili. July 4-9, 2021. Goldschmidt-2021, European Association of Geochemistry. Lion, France (<https://doi.org/10.7185/gold2021.5215>)
5. 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>
6. 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.
7. Analyses of Perspective Geoparks in Georgia. N. Bolashvili, **T. Tsutsunava**. International Seminar Meeting of the Participants of Unesco Global network of Geoparks, Global Geoparks Network and Yangan-Tau Geopark. November 25-29, 2019, Ufa, RF.
8. 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.
9. 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 Problems of Geology. Tbilisi, Georgia. 2019. Abstract book, pp. 134-137.
10. 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.
11. 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.
 12. 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.
 13. 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.
 14. English-Georgian Terminological Dictionary of Geology. **T.Tsutsunava**. 1st International Conference "Terminology – Heritage and Modernity", 2018, Tbilisi.
 15. On the problems of branch terminology on the example of the English-Georgian Terminological Dictionary of Geology. **T. Tsutsunava**, I.Gamkrelidze, D. Shengelia, G. Chichinadze, K. Koiava, G. Beridze. V Annual scientific conference "Actual problems of mining and geology". December 14, 2018. Grigol Tsulukidze Mining Institute, Tbilisi.
 16. 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.
 17. 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.
 18. Petrogenetic Model of Formation of Orthoclase Gabbro of the Dzirula Crystalline Massif. 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.
 19. 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.
 20. 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.
 21. 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.

22. 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.
23. Precambrian Regional Metamorphism and Magmatism of Georgia and Geodynamics of the Caucasus. E.Gamkrelidze, D.Shengelia, O.Dudauri, **T. Tsutsunava**, G.Chichinadze. Geochronology and geodynamics of the Precambrian (3.6-1.6 milliard years) of the Eurasian continent. Mineralogical Journal (Ukraine), vol. 36, N3. 2014, pp. 98-113.
24. Main Stage of Geodynamic Evolution of the Caucasian Segment of the Alpine-Mediterranean Belt. E.Gamkrelidze, D.Shengelia, F.Maisadze, **T. Tsutsunava**, G.Chichinadze. European Geosciences Union General Assembly. Vienna, Austria. 2013.
25. Comparative characteristic of the Variscan regional metamorphism and magmatism of the Elbrus and Pass subterranean of the Greater Caucasian terrane. D.Shengelia, **T. Tsutsunava**, G.Chichinadze, N.Maisuradze, K.Vardanashvili. 1st International CATM Conference. Georgia, Tbilisi. 2013.
26. Stages and Conditions of the Formation of the Granitoids of Georgia. O.Z. Dudauri, I.P. Gamkrelidze, D.M. Shengelia, **T.N. Tsutsunava**, M.G. Togonidze, G.L. Chichinadze. Scientific Conference "Granitoids: formation conditions and ore content", Kyiv, Ukraine, 2013, pp. 53-54.
27. Pre-Alpine multi-stage regional metamorphism and granitoid magmatism of the Caucasus. I.Gamkrelidze, D.Shengelia, **T. Tsutsunava**. The International Congress, "Natural Cataclysms and Global Problems of the Modern Civilization". 2012. Istanbul, Turkey.
28. On the Role of Event Deposits in Study of Paleo-catastrophic Events. F. Maisadze, **T. Tsutsunava**. The International Congress, "Natural Cataclysms and Global Problems of the Modern Civilization". 2012. Istanbul, Turkey.
29. Main stages of pre-Alpine continental crust formation of the Black Sea – Central Transcaucasian terrane. I.Gamkrelidze, D.Shengelia, **T. Tsutsunava**, G.Chichinadze. 3rd International Symposium on the Geology of the Black Sea Region. Bucharest, Romania. 2011.
30. Geological Catastrophes and Event Deposits. F. Maisadze, **T. Tsutsunava**. 3rd International Symposium on the Geology of the Black Sea Region. Bucharest, Romania. 2011.
31. Neoproterozoic and Paleozoic suprasubduction regional metamorphism, granitoid magmatism and geodynamics of the Caucasus. I.Gamkrelidze, D.Shengelia, **T. Tsutsunava**, O.Dudauri, G.Chichinadze, M.Togonidze. XIX Congress of the Carpathian-Balkan Geological Association. Thessaloniki, Greece. 2010.
32. New data on the age crystalline basement of the Black-Sea-Central Transcaucasian and Greater Caucasian terranes and their significance for petrogenetic and geodynamic constructions. D.Shengelia, I.Gamkrelidze, **T. Tsutsunava**, Sun-Lin Chung, Han-Yi Chiu, P.Treloar. The International Scientific Conference "Problems of Geology of the Caucasus". Tbilisi, Georgia, 2010. Abstract book, pp. 96-98.
33. Importance of Magmatism in Formation of Continental Crust. Shengelia D., Gamkrelidze I., **Tsutsunava T.**, Chichinadze G., Vardanashvili K., Maisuradze N. The 33th International Geological Congress. Symposium title: General contributions to igneous petrology. 2008, Oslo, Norway.
34. Influence of ship-canal of the Black Sea terminal on the hydrochemistry of the r. Khobistskali estuary. Zviadadze U., **Tsutsunava T.N.**, Mardashova M. International Interdisciplinary Workshop - "Natural Cataclysms and Global Problems of the Modern Civilization". Baku, Azerbaijan, September, 24-27, 2007.

35. Precambrian Regional Metamorphism, Magmatism and Geodynamics of the Caucasus. Gamkrelidze I., Shengelia D., **Tsutsunava T.N.** Institute of Earth Sciences, Bundelkhand University, 2005, Jhansi, India. Pp. 197-200.
36. The Pre-Alpine Geodynamic Evolution, Magmatism and Metamorphism of the Caucasus. Gamkrelidze I., Shengelia D., **Tsutsunava T.** 32nd International Geological Congress (32IGC). 2004. Florence, Italy, August, 20-28.
37. From Diagenesis to Low-Grade Metamorphism. **Tsutsunava T.** 32nd International Geological Congress (32IGC). 2004. Florence, Italy, August, 20-28.
38. From diagenesis to metamorphism. **T. N Tsutsunava.** Conference dedicated to the 100th anniversary of Academician Petre Gamkrelidze, October 27-29, 2004. Tbilisi.

Scientific grants

1. Petrology of magmatic and metamorphic formations of Georgia. 2000-2001. National Academy of Sciences of Georgia. Key personnel.
2. Regional metamorphism and granite origin of the pre-Jurassic formations of the Greater Caucasus in the light of terrain structures of the Earth's crust. 2002-2003. National Academy of Sciences of Georgia. Key personnel.
3. Petro-Mineralogy and Geochemistry of Precambrian Metamorphites and Magmatites of Georgia. 2004-2005. National Academy of Sciences of Georgia. Key personnel.
4. Petrology and geodynamics of the pre-Alpine magmatic and metamorphic complexes of the Black Sea - Central Transcaucasian and Beiburt - Sevanian terranes. 2005-2006. Engineering Academy of Georgia. Key personnel.
5. Petrology and geodynamics of pre-Alpine complexes in the Caucasian segment of the Mediterranean fold belt. 2002-2005. INTAS Foundation, Project N01-242N. Principal performer.
6. Problems of Geology of the Caucasus. Shota Rustaveli National Science Foundation, Head of the project.
7. English-Georgian Terminological Dictionary of Geology. 2014-2016. Shota Rustaveli National Science Foundation, AR/139/9-150/13. Head of the project.
8. 1:50,000 Scale Digital Geological Map of the Loki Crystalline Massif. 2016-2018. Shota Rustaveli National Science Foundation, №AR-135/789. Key personnel.

Additional information

2010 - up to date – invited lecturer of the Department of Applied Geology of the Faculty of Mining and Geology of the Technical University of Georgia (Lecture course: Petrology of igneous and metamorphic rocks).

At different times she was a member of scientific councils and committees. In particular:

1995-2006 – Secretary Scientific of the Dissertation Council of the Geological Institute of the Georgian National Academy of Sciences;

Since 2005 – An Academician of the Engineering Academy of Georgia;

2006-2009 – Member of the Scientific Council of the National Science Foundation of Georgia;

Since 2010 – Member of the editorial board of the scientific Proceedings of the Alexandre Janelidze Institute of Geology;

2010 – Chairman of the Scientific and Organizing Committee of the International Scientific Conference "Problems of Geology of the Caucasus";

2011 – Member of the scientific committee of the International Congress "GEOCATACLISM - 2011";

2012 – Member of the scientific committee of the International Conference "Earthquake Forecasting-EFC 2011";

Since 2012 – Member of the Scientific Council of the Mineralogical Society of Georgia;

2015 - up to date - Member of Scientific Committees of International Conferences held by the Mineralogical Society of Georgia.

Since 2017 – Member of the Scientific Committee of the World Academy of Science, Engineering and Technology;

Since 2017 - Member of the editorial board of the World Academy of Science, Engineering and Technology in the field of geosciences.

2002 – The BCTC certificate of the Canadian Foundation was awarded with the program: "Market Economy Oriented Training of Research and Development Institution's Management and Staff".

Awards

2013 – Awarded the "Order of Honor" (No. 06/13/02);

2016 – Awarded with the medal of Ivane Javakishvili Tbilisi State University;

2017 – Awarded with certificate of honor of the National Academy of Sciences of Georgia.