



Georgian National Academy of Sciences



Personal Data (CV)

Surname	Shengelia	Name	David
Address (work, home)	Tbilisi, Politkovskaia str. 5 (work); Tbilisi, Ninoshvili str. №36a (Home)	Data and place of berth	04.05.1933
Citizenship	Georgia	Telephones	2331039(office), 2952152(home)
E-mail	D_shenge@yahoo.com		595388429 (mob)

3. Education

Education	Institution	Time of study
Secondary	Tbilisi 19 th Secondary School	1941-1951
Higher	Georgian Polytechnic Institute, engineer-geologist	1951-1956
Postgraduate ship, work for doctor's thesis	Alexandre Janelidze Institute of Geology	1958-1961

4. Knowledge of Languages

Foreign languages	Level of language proficiency (fluent, intermediate, beginning with the help of a dictionary)
Russia	
English, Germany	

5. Scientific or Academic Degree and Rank

	Title of the thesis	Date of conferment
Ph.D. thesis	Petrology of the Daryal Massif	29.12.1962
Doctoral thesis	Petrology of Paleozoic Granitoids of the North Caucasus	29.12.1973
Academician Doctor		
Professor	Technical Universiti of Georgia of the faculty of Mineralogy, Petrology and Geochemistry	01.15.1982
Corresponding Member of the Academy	The Academy of Sciences of Georgia	28.12.2001
Member of the Academy	The Academy of Sciences of Georgia	05.03.2013

6. Work Experience

Data	Institution	Position
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1956-1957	Al.Djanelidze Geological Institute of the Academy of Sciences of Georgia	Junior Scientist
1958-1961	Al.Djanelidze Geological Institute of the Academy of Sciences of Georgia	postgraduate student
1961-1966	Al.Djanelidze Geological Institute of the Academy of Sciences of Georgia	Junior Scientist
1966-1978	Al.Djanelidze Geological Institute of the Academy of Sciences of Georgia	Senior Scientist
1979-1996	Technical University of Georgia	Head of the chair of Mineralogy, Petrology and Geochemistry
1996-2005	Technical University of Georgia	Professor of the faculty of Mineralogy, Petrology and Geochemistry
1996-2009	Alexandre Janelidze Institute of Geology	Head of the Department of Petrology.
2009-2014	Alexandre Janelidze Institute of Geology	Head of the Department of Petrology, Vulcanology, Mineralogy and Lithology.

6.1 Teaching Activity

Data	Institution	Position
1976-1978	Technical University of Georgia, Department of Petrology, Vulcanology, Mineralogy and Lithology	Docent
1978	Technical University of Georgia, Department of Petrology, Vulcanology, Mineralogy and Lithology	Professor
1979-1996	Technical University of Georgia, Department of Petrology, Vulcanology, Mineralogy and Lithology	Head of the Department
1979-2006	Technical University of Georgia, Department of Petrology, Vulcanology, Mineralogy and Lithology	Professor

6.2. Work Abroad

Form of activity	Data	Place and Institution
Delivering a lecture course at a foreign higher educational institution	09.1984	Prague Karlov University
	09.1986	Prague Karlov University
Long-term mission to research institutions	09.1970	Czechoslovakia, D.Shtura Institute of Geology of Bratislava
	05.1977	Yugoslavia, AZOPRO Session
	09.1977	Rumania, AZOPRO Session
Other		

7. Spare of Scientific Interests

Petrology, mineralogy, geochemistry, isotopic geology and problems of geodynamic

8. Publications - Total number – 179; Total number of the citation index : according to Academy Google and Resarchgate – 580).

8.1 Monographs

Years	
1965	Petrology of the Daryal Massif. Proceedings of Geol. Inst. of Academy of Sciences of GSSR, v. 4, 104p.
1972	Petrology of Paleozoic Granitoids of the North Caucasus Proceedings of Geol. Inst. of Academy of Sciences of GSSR, v..34, 263 p.
1982	Regional metamorphism of low and moderate pressures in Abkhazia. Proceedings of Geol. Inst. of Academy of Sciences of GSSR, v. 78, 207 p.
1985	Large-scale Geological Mapping of Metamorphic Formations on the Example of the Caucasus. Collective monograph and geological map. Proceedings of Geological Institute of the Academy of Sciences of GSSR, new series, issue 87. 107 p.

1991	Petrology of Metamorphic Complexes of the Greater Caucasus. Moscow. „Nauka”. 232 p.
1995	Metamorphic facies of the Great Caucasus. Moscow-Tbilisi: Metsniereba, 71 p.
1998	Metamorphic Formations of the Greater Caucasus. Georgian Technical University. Tbilisi. 108 p.
2005	Precambrian-Paleozoic Regional Metamorphism, Granitoid Magmatism and Geodynamics of the Caucasus. “Nauchni Mir”, Moscow.479 p. (English summary).

8.2 Principal Papers (not more than 50)

Years	
1966	Metasomatic Zonal Plagioclases in the Tseisi Granitoid Massif in the Northern Caucasus. Papers of the Academy of Sciences of the USSR, vol. 166, #6, 1429-1432
1968	On the North Caucasian Zonal Plagioclases of Metamorphic Origin. Proceedings of “VUZ”. “Geologia i razvedka”, #1, 23-28.
1968	Granulitic Facies of the Greater Caucasus. Proceedings of the Academy of Sciences of the USSR, ser. geol., #7, 23-33
1969	New Data on the Caledonian Granitoids of the North Caucasus. Papers of the Academy of Sciences of the USSR, vol. 189, #2, 363-365.
1973	Iron-rich Muscovite in Paleozoic Diaphthorites of the North Caucasus. Papers of the Academy of Sciences of the USSR, vol. 209, #4, 937-939.
1973	On the Equilibrium of Hornblende and Muscovite in Paleozoic Diaphthorites of the North Caucasus. Papers of the Academy of Sciences of the USSR, vol.210, #1, 195-198.
1974	Muscovites of Paleozoic Granitoids and Pegmatites of the Northern Slope of the Greater Caucasus. Proceedings of “VUZ”. “Geologia i razvedka”, #11, 58-64.
1974	About the distinguishing the Vertskhlistba suite in the Laba series in Abkhazia. Papers of the Academy of Sciences of the USSR, vol. 76, #1, 121-124.
1975	Blue-green Hornblendes of Metamorphic Rocks. In: Minerals and Mineral Parageneses of Metamorphic and Metasomatic Rocks. All-Union Mineralogical Society. Nauka. L., 72-84.
1975	The Time and Conditions of the Formation of the Crystalline Core of the Greater Caucasus. Proceedings of “VUZ”. “Geologia i razvedka”, #7, 3-10.
1975	Black K-Feldspars from the Crystalline Schists of Abkhazia. Papers of the Academy of Sciences of the USSR, vol. 244, #1, 186-189.
1977	Graphite Thermometer. Proceedings of the Acad. of Sci. of the USSR, vol. 235, #6, 1407-1409.
1977	Metamorphismus, granitoidbildung und plattentektonic im Grossen Kaukasus //Acta Geologica Acad. Sci. Hungaricae. Budapest, 21(1-3), p.99-103.
1978	Stanovenie stupna regionalnej metamorfosy hornin hronskeho komplexu veporidneho Krystalinika pomocou grafitoveho geotermometra. Mineralia slovaca, 10, 4, p.321-328.
1978	Magmatism and Metamorphism in the Paleozoic of the Greater Caucasus in the Light of Lithosphere Plate Tectonics. Geotectonics. #4, 64-69.
1978	Hercynian magmatism and metamorphism of the Great Caucasus in the light of plate tectonics. Bull.Soc. geol. France, xx, N3, p.355-359.
1984	New Data on the Atsgara Nappe in the North Caucasus. Proceedings of the Academy of Sciences of the USSR, vol.274, #6, 1450-1453.
1985	Die defomation und der metamorphismus. Sixth Colloguium on Geology of the Aelgean Region. PIRI REIS International Contribution Series Publication, №2, Izmir – Turkey, p.709-714.
1986	Petrology of Metamorphites of the Atsgara Nappe in the North Caucasus. Bull. of the Academy of Sciences of the USSR, series geology, #5, 17-27.
1989	Chloritoid-bearing Metamorphites of the Loki Crystalline Salient of Transcaucasian Median Massif. Bull. of the Academy of Sciences of the GSSR, 134, #1,141-144
1989	New Data on Metamorphites of Javakheti Tectonic Nappe on the Northern Caucasus. Bull. of the Academy of Sciences of the GSSR,133, #2, 341-344
1989	New Data on the Beshta and Mt.Kamenistaya Plagiogranite gneisses (Mountainous Abkhazia). Bull. of the Academy of Sciences of the GSSR, 135, #2, 393-396.
1996	New Date on the Formation of Microcline Granites of Dzirula Salient. (1996). Bull. of the Georgian Acad. of Sci., 154, N1, p.93-95.
1996	Macera Nappe in the Crystalline Core of the Greater Caucasus and its Geological Significance. Bull. Acad. Sci. of Georgia, 154, N1, p.84-89.
1997	The Map of Metamorphic facies of the Crystalline Basement the Greater Caucasus; Scale 1:200 000. The Georgian Technical University, Dimensions – 210x120 cm.
1997	New Data on the Gaological Structure and Ore Manifestation of Midstream of the River Nenskra (Upper Svaneti). Bull. Acad. Sci. of Georgia, 155, N3, p.379-382.
1998	New Data on the Structure of the Dzirula Salient Pre-Alpine Basement of the Georgian Block. Doklady of the Acad. Sci. of Russia, Moscow. V. 359, № 6. Pp. 801-803.
1998	The role of Neppes in the late hercynian granitoids formation process of the geater Caucasus. Proceed. of Geol. Inst. of Georgia p.163-169.
1999	Map of Metamorphic Formations of the Greater Caucasus Crystalline Basement. Scale 1:200 000. Dimensions: 210x120 cm. Tbilisi.

1999	New Date on the Geological Structure of the Loci Crystalline Massif //Bull. Acad. Sci. of Georgia, 160,N1, p.93-97.
2000	Mono-and Polycyclic Regional metamorphism of the crystalline basement of the Caucasus. Proceedings of Geol. Inst. of Georgia. New ser. vol. 115. Pp. 282-299.
2001	Origin of the Igneous Rocks of the Dzirula Crystalline Massif (Caucasus) in Light of the Tectonic Layering of the Earth's Crust. Geotectonics. Vol.35. N1. P.51-61.
2003	Facing Magmatic and Metamorphic Rocks of Georgia. In: Industrial Minerals and Building Stones. Istanbul. p.71-76.
2004	Precambrian Time in the Caucasus. Mineralogical Journal (Ukraine), v.26, N3, p. 53-61.
2005	Precambrian Regional Metamorphism, Magmatism and Geodynamics of the Caucasus. Institute of Earth Sciences, Bundelkhand University, Jhansi, India. p. 197-200.
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, Moscow. v. 409. № 6. Pp. 1-6.
2007	Pre-Alpine Geodynamics of the Caucasus, Suprasubduction Regional Metamorphism and Granitoid Magmatism Bull. of Georgian National Acad. of Sci. V.175, N1. 57-65p.
2008	Precambrian Regional Metamorphism, Magmatism and Geodynamics of the Caucasus. Proceedings of GI. N.124. Pp 190-203.
2008	Petro-and Geochemical Characteristic and Conditions of Formation of Late Variscan Granitoids of the Caucasus. Proceedings of Alexandre Janelidze Institute of Geology. 124. Pp 204-221.
2008	About Geochemistry of Early Variscan Granitoids of the Main Range of the Caucasus. Bull. Acad. Sci. of Georgia V.2 N.2 Pp 59-63
2010	Petro and geochemistry of Early Variscan granitoids of Caucasus. Proceed. of Geol. Inst. of Georgia. New ser. vol. 125. Pp.8-24
2011	New data on U-Pb zircon age of Pre-Alpine crystalline Basement of the Black-Sea-Central Transcaucasian terrane and its geological significance. Bull. of Georgian National Acad. of Sci. Vol. 5. #1. Pp. 64-76.
2011	New age data from the Dzirula massif, Georgia: implications for the evolution of the Caucasian Variscides”, American Journ. Science, Vol. 311, pp. 404-441.
2012	New Data on the Formation and Age of Orthoclase Gabbro of the Dzirula Crystalline Massif (Georgia). Bull. Of Georgian National Acad. of Sci. Vol 6. No3. Pp. 75-82.
2014	Precambrian Regional Metamorphism and Magmatism of the Georgia and Geodynamics of the Caucasus. Mineralogical Journal (Ukraine), Kyev, Vol.36, N3. p.p. 98-113.
2014	Some Questions on Structure, Variscan Regional Metamorphism and Granitoid Magmatism of the Caucasian Terranecrystallinum. Bull. of Georgian National Acad. of Sci. Vol. 8. №3. Pp. 56-63.
2015	ახალი მონაცემები დიზის სერიის მეტამორფიზმის შესახებ. ივანე ჯავახიშვილის სახელობის თბილისის სახელმწიფო უნივერსიტეტის ალექსანდრე ჯანელიძის გეოლოგიის ინსტიტუტის შრომები, ახალი სერია, ნაკვ. 127. გვ. 117-123.
2017	Genetic Typification of Zircons from the Infrastructure of the Elbrus Subterrane (the Caucasus), Bulletin of Georgian National Academy of Sciences, vol. 11, no.1, p.p. 85-89.
2017	New Geologic-petrological Data on the Klich Gabbro-diorite Intrusive (the Caucasus)”, Bulletin of Georgian National Academy of Sciences, vol. 11, no.2, p.p. 76-80.

8.3 Textbooks, Additional Manuals, and other Methodological Literature and Training means

Years	
1981	Educational-methodological literature: “Petrography of Metamorphic Rocks”. Georgian Technical University. 40p (in Georgian)

8.4 Electronic Publications

Years	Title	Address of Source
2016	English-Georgian Terminological Dictionary of Geology	Shota Rustaveli National Science Foundation

8.5 Participation in Scientific Symposiums, Conferences for the last ten years

Years	Title	Name of Event
2008	Importance of Magmatism in Formation of Continental Crust	33rd International Geological Congress. Norway, Oslo.
2009	New age from the Dzirula massif, Georgia: implications for Variscan evolution of the Caucasus	2nd International Symposium on the Geology of the Black Sea region. Ankara, Turkey.
2010	New data on the age of crystalline basement of the	The Internacional Scientific Conference “Problems of

	Black-Sea-Central transcaucasian and greater Caucasian terranes and their significance for petrogenetic and geodynamic constructions	Geology of the Caucasus” Dedicated to the 85-th anniversary of Alexandre Janelidze Institute of Geology. Georgia, Tbilisi.
2010	Neoproterozoic and Paleozoic suprasubduction regional metamorphism, granitoid magmatism and geodynamics of the Caucasus	XIX congress of the Carpathian-Balkan geological association. The Saloniki, Greece,
2011	Main stages of formation of Pre-Alpine continental crust of the Black Sea-Central Transcaucasian terrane	3 rd international Symposium on the Geology of the Black sea Region. Bucharest, Romania.
2011	Pre-Alpin Geodynamics of the Caucasus, multistage regional metamorphism and granitoid magmatism	The International Congress „Natural Cataclysms and Global problems of the Modern Civilization”. Istanbul,
2013	Comparative characteristic of the Variscan regional metamorphism and magmatism of the elbrus and passsubterranees of the greater Caucasian terrane	1 st International conference and workshop. Caucasus active tectonics and magmatism - Hazards and Resources. Tbilisi.
2013	Forming Conditions and Stages of Granitoids of Georgia	Научная конференция „Гранитоиды: Условия формирования и рудоносность“. Киев.
2013	Main Stages of geodynamic evolution of the Caucasian Segment of the Alpine-Mediterranean belt	EGU General Assembly, 2013. Viena, Austria.
2014	Precambrian Regional Metamorphism and Magmatism of Georgia and Geodynamics of the Caucasus.	Kiev. Ukraine.
2015	Zircon Hf isotopic constrains on the petrogenesis of the Dzirula complex in Georgian Caucasus: the existence of Arabian micro-continents	Praga. Goldschmidt conference
2016	Petrogenetic and geodynamic types of Late Paleozoic (Sudetic) granitoids of the Caucasus.	14 th Swiss Geoscience meeting. Geneva, Switzerland. www.geoscience-meeting.ch
2016	LA-ICP-MS local zircon U-Pb dating of Late Variscan granites of the Dzirula and Khrami crystalline massifs (Georgia)	14 th Swiss Geoscience meeting. Geneva, Switzerland. www.geoscience-meeting.ch
2016	Discovery of Ans-derived ribbon continental in Georgian Caucasus: Zircon Hf isotopic constraints and implications for the Cimmerian orogeny	Yokohama. Goldschmidt conference
2017	New U-Pb isotope-geochronological data on the Buulgen metamorphic complex and on the associated with it pre-alpine magmatism of the greater Caucasus main range zona	Mineralogical society of Georgia, 3 th International scientific-Practical Conference on Up-to-date problems of geology. Tbilisi, Georgia. http://www.msgeorgia2012.com/
2017	Petrogenetic Model of Formation of Orthoclase Gabbro of the Dzirula Crystalline Massifs	WASET, 19 th ICGES, Italy, Rome. www.waset.org/conference/2017/05/rome/ICGES
2017	Petrogeochemistry of Hornblende-bearing Gabbro Intrusive, the Greater Caucasus	WASET, 19 th ICGES, Italy, Rome. www.waset.org/conference/2017/05/rome/ICGES
2017	Petrology, Geochemistry and Formation Conditions of Metaophiolites of the Loki Crystalline Massif (the Caucasus)	WASET, 19 th ICGPE, Spain, Madrid. www.waset.org/conference/2017/09/madrid/ICGPE

9. Organizational Work (Holding Congresses and Conferences, Editorial Work)

Years	Name
17-19.02.1994	International scientific: Petrologic conference on metamorphism, granitformation and related ore formation - Tbilisi.
25-27.11.2010	The International Scientific Conference, „Problems of Geology of the Caucasus” - Tbilisi. Organization of International Conference.
2010	The International Scientific Conference, „Problems of Geology of the Caucasus” - Editor of the Proceedings

10. Inventions (Authors Certificate, Patents)

Years	Name

11. International and Local Scientific grants

Years	Name
2007-2010	ISTC (MHTI) NA 1418: "Creation of Scientific Centers for the Mitigation of Natural Disaster Risks in Southern Georgia and Central Asia" (principal participant)
2014-2016	Grant Project of the Rustaveli Foundation: English-Georgian Geological Dictionary (principal participant)
2016-2018	Grant Project of the Rustaveli Foundation: Digital geological map (1:50 000) of the Loki crystalline massif (Georgia) (principal participant)

12. Scientific-Commercial Activity, author's certificate, Implementation

Years	Name

13. Other Activities

Supervision of Theses and Masters work	Name	Years
Scientific supervisor of the candidate dissertation	G.Chichinadze - „Petrology of Crystalline Rocks of Southeastern part of the Sofia Uplift (the Caucasus)“	24.03.1978
Scientific supervisor of the candidate dissertation	I.Mgaloblishvili - „Petrology of Crystalline Rocks of Southwestern Part of the Balkaria-Digori Uplift (the Caucasus)“	02.04.1980
Scientific supervisor of the candidate dissertation	R.Kakhadze - “Petrology of Paleozoic Metamorphites of the Main Range Zone of the Greater Caucasus within the Limits of Upper Svaneti”	22.03.1982
Scientific supervisor of the candidate dissertation	N.Poporadze - “Mineralogy and Petrology of Amphibole-bearing Metamorphites of the Main Range and Forerange of the Greater Caucasus”	15.03.1985
Scientific supervisor of the candidate dissertation	A.Okrostsvaridze - “Petrology of Paleozoic Granitoids and Migmatites of Abkhazia”	20.05.1987
Scientific supervisor of the candidate dissertation	T.Tsutsunava - “Petrology of Metamorphites of Green Schist Facies of the Greater Caucasus and the Atsgara Tectonic Nappe”	29.06.1988
Scientific supervisor of the candidate dissertation	D.Gogoladze - “Roots of Upper Cretaceous Volcanism of Southeast Georgia”	17.05.1991
Scientific supervisor of the candidate dissertation	K.Chikhelidze - “Petrology of Paleozoic Granitoids of the Dzirula Crystalline Massif.”	21.05.1998
Scientific supervisor of the candidate dissertation	L.Shubitidze - “Petrology of the Dzirula Crystalline Massif Orthoclase Gabbro (Rikotite)”	25.11.2005
Consultant to the doctoral dissertation	N.Poporadze - “Amphiboles of Metamorphites of the Caucasus and the Transcaucasian Median Massif”	08.02.1994
Consultant to the doctoral dissertation	A.Okrostsvaridze - “Petrology of the Hercynian Granitoid Series of the Caucasus”	14.06.1995
Consultant to the doctoral dissertation	T.Tsutsunava - “Low-temperature Regional Metamorphism of the Caucasus”	02.11.2005
Scientific Supervisor of the Masters work	G.Beridze – “Petrology of Late Variscan Granitoids of the Khrami Crystalline Massif	14.07.2012
Scientific Supervisor of the PhD thesis	K.Tedliashvili – “Petrology of Gneiss-migmatitic Complex of the Khrami Crystalline Massif	25.04.2014
Scientific Supervisor of the PhD thesis	G.Beridze - „ Petrology of Late Variscan	04.06.2016

	Magmatic and Volcanogenic- Sedimentary Formations of the Khrami Crystalline Massif”	
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14. Awards and Prizes, Honorary Title

Data	Name of Awards, Prizes, Honorary Title
17.12.1992	Al.Janelidze Prize awarded by the Academy of Sciences of Georgia
31.10.2008	Al.Tvalchrelidze Prize awarded by the Academy of Sciences of Georgia

15. Family Status

Married
