



Georgian National Academy of Sciences



Personal Data (CV)

Surname	Beridze	First Name	Tengiz
Address (work, home)	Tbilisi, Al.Kazbegi Ave.47a	Date and place of birth	26/10/1939. Tbilisi
Citizenship	Georgia	Telephone number(s)	239-25-40
E-mail	t.beridze@science.org.ge; t.beridze@freeuni.edu.ge		

3. Education

Education	Institution	Learning Time
Secondary	Tbilisi secondary school N7	1946-1957
Higher	Tbilisi State University	1957-1962
Postgraduate study, doctoral candidacy	A.N.Bakh Institute of Biochemistry, Moscow	1963-1966

4. Knowledge of Languages

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

5. Scientific or Academic Degree and Rank

	Title of the thesis	Date of conferment
Ph.D. thesis	DNA of cellular organelles of higher plants	1967
Doctoral thesis	Satellite DNA of higher plants	1980
Academician Doctor		
Professor		1989
Corresponding Member of the Academy		1988
Member of the Academy		1993

6. Work Experience

Date	Institution	Position
1989-2012	Institute of Biochemistry and Biotechnology	Head of laboratory
2012-	Institute of Molecular Genetics, Agricultural University of Georgia	Director

6.1 Teaching Activity

Date	Institution	Position
1969-1999	Tbilisi State University	Docent, Professor
2008-2010	Ilia State University	Professor
2010-	Agricultural University of Georgia	Professor

6.2 Work Abroad

Form of activity	Date	Place and Institution
Delivering a course of lectures at foreign higher education institutions		
Long-term academic mission to research institutions	1984; 1995; 2005-2006	Strasbourg, Institute of Molecular and Cellular Biology Tubingen University, Tubingen, Germany Washington University in St Louis
Other		

7. Sphere of Scientific Interests

Molecular Biology; Molecular Genetics

8. Publications (Total number, indicating the Citation Index (*number*))

8.1 Monographs

Years	
1982	Satellite DNA (russian) Nauka edition
1986	Satellite DNA (english) Springer

8.2 Principal Papers (no more than 50)

Years	
	1. Beridze T.G., Odintsova M.S., Sissakian N.M. On the properties of chloroplast DNA. Dokl.Akad.Nauk USSR (1965) 162,1188-1190
	2. Beridze T.G., Odintsova M.S., Cherkashina N.A., Sissakian N.M. On the participation of nucleic acids in the chlorophyll biosynthesis. Dokl.Akad.Nauk USSR (1966) 168,1454-1457
	3. Beridze T.G., Odintsova M.S., Cherkashina N.A., Sissakian N.M. The effect DNA synthesis inhibitors on the chlorophyll formation by etiolated bean leaves. Dokl.Akad.Nauk USSR (1968) 169,466-468
	4. Beridze T.G., Odintsova M.S., Cherkashina N.A., Sissakian N.M. The effect of nucleic acid synthesis inhibitors on the chlorophyll formation by etiolated bean leaves. Biochem.Biophys.Res.Comm. (1966)23,683-690
	5. Beridze T.G., Odintsova M.S., Sissakian N.M. Distribution of bean leaf DNA components in the cell organelle fractions. Molek.Biol.USSR (1967) 1,142-153
	6. Beridze T.G., Odintsova M.S. Distribution of pea DNA components in the CsCl density gradient. Dokl.Akad.Nauk USSR (1967) 173, 1209-1211
	7. Beridze T.G. Investigation of plant organelle DNA. PhD thesis, Moscow, A.N.Bakh Institute of Biochemistry, 1967
	8. Beridze T.G., Odintsova M.S. DNA of cytoplasmic organelles: plastids and mitochondria. Advances

- in Biol.Chem.USSR (1969) 10, 36-83
9. Beridze T.G. Investigation of DNA satellite components of genus *Phaseolus*. Molek. Biol. USSR (1972) 6, 908-914
 10. Beridze T.G. Chloroplast DNA. Abstracts of the International Symposium "Genetic aspects of photosynthesis", Dushanbe, 1972, pp.10-11
 11. Beridze T.G. The satellite DNAs of higher plants. Abstracts of the 8-th FEBS Meeting, Amsterdam (1972) 1057
 12. Beridze T.G. DNA nuclear satellites of the genus *Phaseolus*. Biochim. Biophys. Acta (1972) 262,393-396
 13. Beridze T.G. On the investigation of DNA of genus *Phaseolus*. In "Plant Biochemistry", Metsniereba Edition, Tbilisi (1973) 1,13-18
 14. Beridze T.G., Durmishidze S.V., Khachidze O.T. Distribution of nuclear DNAs of genus *Vitis L.* in the CsCl density gradient. Dokl.Akad.Nauk USSR (1973) 211,468-469
 15. Beridze T.G., Gorgidze A.D. Distribution of nuclear DNAs of some species and intergenic hybrids of subtribe *Triticinae* in the CsCl density gradient. Genetika USSR (1973) 9,172-174
 16. Beridze T.G. DNA nuclear satellites of higher plants. Abstracts of the Symposium on DNA structure and function (1973) Liblice, Czechoslovakia, p.1
 17. Beridze T.G., Bragvadze G.P. Properties of the DNA nuclear satellites of higher plants. Abstracts of the 9-th FEBS meeting (1974) Budapest, S4 a15
 18. Beridze T.G., Tabidze V.D. Properties of the chloroplast DNA of higher plants. Abstracts of the 3-rd Biochemical Congress of the USSR (1974) 1.3.5, p.26
 19. Beridze T.G. On the distribution of DNA satellite components in plant cell organelles. In "Genetic functions of cytoplasmic organelles". Nauka Edition, Leningrad (1974) 47-52
 20. Beridze T.G., Durmishidze S.V., Khachidze O.T. Determination of buoyant density of nuclear DNA of some species of genus *Vitis L.* In "Problems of grape and wine Biochemistry". Pishchevaya Promyshlennost Edition, Moscow (1975), pp.68-71
 21. Beridze T.G., Bragvadze G.P. On the heterogeneity of satellite DNA of *Phaseolus vulgaris*. Abstracts of the 10-th FEBS Meeting(1975) Paris, A7 127
 22. Beridze T.G. DNA nuclear satellites of the genus *Brassica*: variation between species. Biochim.Biophys.Acta (1975) 395,274-279
 23. Beridze T.G. DNA nuclear satellites of higher plants: variabilities between closely related species. Abstracts of the XII International Botanical Congress (1975) Leningrad, p.8
 24. Beridze T.G., Tabidze V.D. On the distribution of the chloroplast DNA of higher plants in the CsCl density gradient. Molek.Biol. USSR (1976) 10, 278-287
 25. Beridze T.G. DNA nuclear satellites of the genus *Brassica L.* Molek.Biol. USSR (1976) 10,538-543
 26. Beridze T.G., Bragvadze G.P. On the properties of satellite DNA of *Phaseolus vulgaris*. Molek.Biol. USSR (1976) 10,1279-1289
 27. Beridze T.G. Satellite DNA of higher plants. Izvest.of Georgian Academy of Sciences (1978) 2,259-271
 28. Beridze T.G. The properties of satellite DNAs of higher plants. Abstracts of the International Conference on regulation of developmental Process in Plants (1977) Halle, GDR, No 33
 29. Beridze T.G. Comparative study of the genomes of some species of higher plants. Molek.Biol. USSR (1979) 13, 925-933
 30. Beridze T.G. On the properties of satellite DNA of *Brassica nigra*. Biokhymia USSR(1979) 13, 925-933
 31. Tabidze V.D., Beridze T.G. Fine melting curves of chloroplast DNA of higher plants. Dokl.Akad. Nauk USSR 245,1262-1266
 32. Tabidze V.D., Beridze T.G. High resolution melting of chloroplast DNA of higher plants. Plant Science Letters (1979) 16, 157-164
 33. Fodor I., Beridze T.G. Characterization of plant satellite DNA using restriction endonucleases. Molec.Biology Reports(1980) 6, 17-20
 34. Beridze T.G. On the properties of satellite DNA of *Citrus limon*. Molek.Biol. USSR (1980) 14, 126-135
 35. Beridze T.G. Properties of satellite DNAs of higher plants. Plant Science Letters (1980) 19, 325-328
 36. Fodor I., Beridze T.G. Structural organization of plant ribosomal DNA. Biochemistry International (1980) 1, 493-501
 37. Beridze T.G. Satellite DNAs of higher plants. Thesis of special PhD in Biochemistry, A.N.Bakh Institute of Biochemistry, Moscow,1980
 38. Beridze T.G. Satellite DNA (1982) Nauka Edition, Moscow
 39. Bragvadze G.P., Beridze T.G. Satellite DNA of citric plants. Biokhymia USSR (1983) 4, 673-677
 40. Beridze T.G., Kokonashvili G.N., Tabidze V.D. Japiashvili M.V. Genetic engineering. In "Modern

- aspects of Biotechnology" (1986) Metsniereba Edition, Tbilisi, pp.53-90
41. Shengelya N.I., Japiashvili G.N., Kokonashvili G.N., Mazin A.L., Beridze T.G. Structural organization and high degree of methylation of satellite DNA of lemon (*Citrus limon L.*) Molek.Biol. USSR (1986)20, 798-810
 42. Beridze T.G., Shengelya N.I. (1986) Partial structure of satellite DNA of *Citrus limon*, Bioorg.Khymia USSR, 12, 112-115
 43. Beridze T.G., Bragvadze G.P., Shengelya N.I. Structural organization of satellite DNAs of citric plants. Abstracts of the 5-th Soviet Congress on Biochemistry (1986) Kiev, pp.345-346
 44. Beridze T. Satellite DNA, 1986, Springer-Verlag, Berlin, Heidelberg, New York, Tokio
 45. Beridze T.G., Shengelya N.I. Organization of plant satellite DNAs. In "Selfregulation in plants" (1986) Edition of Bulgarian Academy of Sciences, Sofia, pp.116-123
 46. Beridze T.G., Turishcheva M.S., Kokonashvili G.N., Masiukov M.V. (1988) Abstracts of 14-th International Congress of Biochemistry, FR 136
 47. Kondrashov A.S., Beridze T.G., Chiaureli N.B. (1990) Two regions of M13 phage genome hybridizing with Human DNA are similar to several keratin genes, Biochimie, 72, 867-871
 48. Beridze T., Tsirekidze N., Roytberg M.A. (1992) On the tertiary structure of satellite DNAs, Biochimie, 74, 187-194
 49. Beridze T., Tsirekidze N., Turishcheva M.S. (1994) On the tertiary structure of *Citrus ichangensis* satellite DNA. FEBS Letters, 338, 179-182
 50. Tabidze V.D., Kartvelishvili M.G., Jincharadze A.G., Beridze T.G. (1994) Nucleotide sequence and organization of tRNA gly, tRNA arg and CF1 - ATPase α -subunit genes of chloroplast DNA of *Allium porrum*, Biochemistry(Moscow) 59, 309-314
 51. Tabidze V., Kartvelishvili M., Jincharadze A., Beridze T. (1994) Unlike in other monocotyledonous plants such as wheat and rice, the region containing the tRNA gly (UCC), tRNA arg (UCU) and CF1 ATPase α -subunit genes has not undergone recombination in the leek chloroplast DNA, Plant Science, 100, 165-169
 52. Beridze T., Turishcheva M.S., Tsirekidze N. (1995) On the tertiary structure of satellite DNA. Abstracts of 7-th European Congress on Biotechnology, LUP 24
 53. Tabidze V., Beridze T. (1996) Fine structural features of *A.porrum* chloroplast DNA tRNA-gly, tRNA-arg and CF1 -ATPase α -subunit genes: comparison with corresponding DNA sequences from monocot and dicot plants. Bull.Georgian Academy Sciences, 153, 113-115
 54. Fann Y., Kovarik A., Hemleben V., Tsirekidze N., Beridze T. (2001) Sequence and structure of satellite DNAs of citric plants. Theor.Appl.Genet., 103, 1068-1073
 55. Beridze T.G., Tsirekidze N.I., Turishcheva M.S. (1997) Structure of highly reiterated DNA. In Materials of International Symposium "Problems of Biochemistry, Radiation and Space biology", Moscow-Dubna, p.14
 56. Tabidze V., Steinmetz A., Beridze T. (2001) Flower-specific cDNA clone from sunflower encode a novel cytochrome P-450. Russian. Journal of Plant Physiology (Moscow) 48, 1-5
 57. Datukishvili N. T., Tarkhnishvili G. M., Mikeladze D. G., Beridze T. G., Sanadze G. A. (2001) Isolation and Purification of Protein Responsible for the Conversion of Dimethylallylpyrophosphate from Poplar Leaves into Isoprene. Russian Journal of Plant Physiology (Moscow) 48, 257-261.
 58. Hemleben V., Beridze T., Bachmann L., Kovarik A., Torres R. (2003) Satellite DNA. Russian Advances in Biochemistry, 43, 267-306
 59. Tabidze V., Gamkrelidze M., Gotsiridze V., Glonti T., Beridze T. (2006) Microsatellite Analysis of *Vitis vinifera L.* Georgian Cultivars. Bull.Georg.Acad.Sci., 174, 333-336
 60. Hemleben V., Kovarik A., Torres-Ruiz R.A., Volkov R.A., Beridze T. (2007) Plant highly repeated satellite DNA: evolution, distribution and use for identification of hybrids. Systematics and Biodiversity, 5(3), 277-289
 61. Beridze T., Pipia I., Beck J., Hsu S.-C., T., Gamkrelidze M., Gogniashvili M., Tabidze V., This, R. Bacilieri P., Gotsiridze V., Glonti M., Schaal B. (2011). *Plastid DNA sequence diversity in a worldwide set of grapevine cultivars (Vitis vinifera L. subsp. vinifera)*. Bulletin of the Georgian National Academy of Sciences, 5, 2011, 98-103.
 62. Beridze T., Pipia I. (2007) Bends in Satellite DNA. Bulletin of the Georgian National Academy of Sciences, 175, N1, 76-80
 63. Pipia I., Gogniashvili M., Tabidze V., Beridze T., Gamkrelidze M., Gotsiridze V., Melyan G., Musayev M., Salimov V., Beck J., Schaal B. (2012) Plastid DNA sequence diversity in wild grapevine samples (*Vitis vinifera subsp. sylvestris*) from the Caucasus region.

	Vitis 51 (3), 119–124

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

Years	

8.4 Electronic Publications

Years	Title	Address of Source

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

Years	Title	Name of Event
2010	Structure of grape chloroplast DNA	Symposium on grape genetica and selection
2007	Grape domestication	Moscow, Dubna

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

Years	Name

10. Inventions (Author's Certificate, Patents)

Years	Name

11. International and Local Scientific grants

Years	Name
2000	DAAD. Ueberregionale Programme der Entwicklungszusammenarbeit
2000-2002	INTAS. Molecular mechanisms of regulation of chloroplast gene expression during early chloroplast differentiation. Reference number: INTAS 97-31424
2000-2002	STCU. Biotransformation of Carcinogens. #G-284
2004-2006	GRDF. Genetic diversity of cultivated and wild varieties of <i>Vitis vinifera</i> in the Caucasian area. GEB2-3326-TB-03. 2004-2006
2009-2010	STCU. 4666. Analysis of Cultivated and Wild Caucasian Grape Using Highly Variable Chloroplast and Nuclear DNA Sequences
2009-2011	GNSF. The role of satellite DNA in heterochromatin compactization

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

Years	Name

13. Other Activities

	Name	Years
Supervision of Theses and Masters work		
Participation in International, State and Regional Programs		

14. Awards and Prizes, Honorary Title

Date	Name of Awards, Prizes, Honorary Title
	Medal of honor 1999
	S.Durmishidze Prize in Biochemistry 2011

15. Family Status

Spouse Marina Ketsba (b.1946), son George Beidze(b.1987)
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