



**Tariel Adamia**

**Position**

Major Scientist, Iv. Javakhishvili Tbilisi State University, Al. Janelidze Institute of Geology, Department of Environmental Protection.

**Scientific/academic degree, title**

Ph.D. (1990). Dissertation "Concentrating of Microcontent of Niobium Compounds by the Chelate Sorbents and its Determination in Natural Mineral Matters".

**Contact information**

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**Education**

1973 – 1978 -Iv. Javakhicsvili Tbilisi State University, Faculty of Chemistry, Specialty - Analytical Chemistry. Masters, Chemist.

**Employment history**

1983-1991 –Al. Janelidze Institute of Geology of Georgian Academy of Sciences. Department of Physicochemical Researches, Minor Scientist.

1991-2005 – Al. Janelidze Institute of Geology, Department of Physicochemical Researches of environment, Scientist.

2005 -2016 – Al. Janelidze Institute of Geology of Iv. Javakhishvili Tbilisi State University, Department of Physicochemical Researches of environment, Major Scientist.

2017 - up to date – A. Janelidze Institute of Geology of Iv. Javakhishvili Tbilisi State University, Scientist, Department of Environmental Protection, Major Scientist.

**Research interests**

Analytical chemistry; Instrumental methods of analysis; Investigations of waters, soils, bottom sediments; Chemical analysis of rocks and minerals; Methodology of assessment of technological processes and quality control of the environment management of hazardous wastes; Ecology; Geochemistry; Hydrochemistry; Data Quality Management; Laboratory and field works management.

**Publications**

1. *A. Mikaberidze, V. Gvakharia, T. Adamia, G. Zhorzholiani* (2020). Assessment of the state of noise pollution by motor transport in main roads adjacent to some avenues and streets of Saburtalo and Vake districts of Tbilisi. Alexandre Janelidze Institute of Geology of Ivane Javakhishvili Tbilisi State University, Proceedings. New Series. Vol. 132 Pp. 169-179. ISSN 2667-9213. [https://dspace.nplg.gov.ge/bitstream/1234/315118/1/Geologii\\_s\\_Institutis\\_Shromata\\_Krebuli\\_2020.pdf](https://dspace.nplg.gov.ge/bitstream/1234/315118/1/Geologii_s_Institutis_Shromata_Krebuli_2020.pdf) (in Georgian).
2. *Jgamadze A.K; Maglakelidze A. V; Adamia T.M; Gvakharia V.G* (2020). Present Conditions of Shovi Carbon Dioxide Mineral Water Deposit. The International Scientific Conference "Environmental Protection and Sustainable Development" dedicated to Professor Victor Eristavi's Memory. Tbilisi, Georgia. 2019, 11-12 November. Georgian Technical University. Works. 2020. Pp. 197-198. ISBN 978-9941-8-2009-0 (in Georgian).
3. *A Mikaberidze, V.Gvakharia, T.Adamia, G.Zhorzholiani* (2018). Estimation of Noise Pollution of Shalva Nutsubidze and Simon Kandelaki Streets of Tbilisi by Motor Transport. Science and Technologies Scientific Reviewed Magazine. 2018, No 3(729). Pp. 18-25. ISSN 0130-7061 Index 76127. [https://publishhouse.gtu.ge/public\\_html\\_old/storage/archit/120/tituli-3729-mecnierebada-teqnologiebi.pdf](https://publishhouse.gtu.ge/public_html_old/storage/archit/120/tituli-3729-mecnierebada-teqnologiebi.pdf) (in Georgian).
4. *V.Gvakharia, A.Jgamadze, J.Gabechava, T.Adamia, D.Chkhaidze, T.Jebashvili, D.Sozashvili, B.Lebanidze, A.Maglakelidze* (2018). Uraveli mineral spring and its exploration for industrial development. Annals of Agrarian Science. Volume 16, Issue 1, March 2018, Pages 27-31. ISSN: 1512-1887. <https://doi.org/10.1016/j.aasci.2017.12.004>; <https://www.sciencedirect.com/science/article/pii/S1512188718300216>
5. *Mikaberidze A., Jibladze M. Gvakharia V., Adamia T., Zhorzholiani G.* (2017). Assessment of the State of Noiser Pollution in Some Main Traffic highways of Saburtalo District of Tbilisi. Science and Technologies Scientific Reviewed Magazine. 2017, N2 (725). Pp. 39-46. ISSN 0130-7061. Index 76127. [https://publishhouse.gtu.ge/public\\_html\\_old/storage/archit/77/pdf-1501244542-bKzW3sXYla5UY4BKT7FibwkJkrEBOo6Z.pdf](https://publishhouse.gtu.ge/public_html_old/storage/archit/77/pdf-1501244542-bKzW3sXYla5UY4BKT7FibwkJkrEBOo6Z.pdf) (in Georgian).
6. *V. Gvakharia, J. Gabechava N. Tsirgiladze, T. Adamia, A. Jgamadze* (2017). Pansheti mineral water deposit and its research for industrial development. Bulletin of St. Andrew the First-Called Georgian University of the Patriarchy of Georgia, 2017, No.3, pp. 171-180. ISSN 1987-734X. (in Georgian).
7. *V. Gvakharia, J. Gabechava, T. Adamia, A. Jghamadze, B. Lebanidze, D. Sozashvili, A. Maglakelidze, T. Chebashvili* (2016). Operational and Environmental Protection Report of Tskaltubo Thermomineral Water Deposit. International Scientific Practical Conference "Modern Technologies and Environment" 19-20 May, 2016. Kutaisi, Georgia. Proceedings. Vol.II, Pp. 434-436. ISBN 978-9941-453-91-5. <https://atsu.edu.ge/images/pdf/krebulebi/tomiMETEP%202016.pdf> (in Georgian).
8. *A.Mikaberidze, V.Gvakharia, M.Jibladze, T.Adamia, G.Zhorzholiani* (2015). Estimation of Noise Pollution of I. Chavchavadze Avenue of Tbilisi by Motor Transport. Alexandre Janelidze Institute of Geology of Ivane Javakhishvili Tbilisi State University Proceedings. New Series. 2015, Vol. 127. Pp. 211-214. [https://dspace.nplg.gov.ge/bitstream/1234/315114/1/Geologiis\\_Institutis\\_Shromata\\_Krebuli\\_2015.pdf](https://dspace.nplg.gov.ge/bitstream/1234/315114/1/Geologiis_Institutis_Shromata_Krebuli_2015.pdf) (Russian).
9. *V. Gvakharia, K. Bilashvili, N. Machitadze, N. Gelashvili, G. Maisuradze, T. Adamia, Ts. Khukhunia* (2015). Precondition of the Development of Black Sea Environmental National Monitoring Programs and Subprograms. Alexandre Janelidze Institute of

Geology of Ivane Javakhishvili Tbilisi State University Proceedings. 2015. New Series. Vol. 127. Pp. 206-210.

[https://dspace.nplg.gov.ge/bitstream/1234/315114/1/Geologiis\\_Institutis\\_Shromata\\_Krebul\\_i\\_2015.pdf](https://dspace.nplg.gov.ge/bitstream/1234/315114/1/Geologiis_Institutis_Shromata_Krebul_i_2015.pdf) (in Georgian).

10. *V.Gvakharia, J.Gabechava, T.Adamia, N.Tsirghiladze, N. Machitadze, N. Gelashvili, Ts. Khukhunia, B.Lebanidze* (2015). Study of Ksani ground water deposit with the aim of its industrial development. Alexandre Janelidze Institute of Geology of Iv. Javakhishvili Tbilisi State University Proceedings. 2015. New Series. Vol.127. Pp.200-206.  
[https://dspace.nplg.gov.ge/bitstream/1234/315114/1/Geologiis\\_Institutis\\_Shromata\\_Krebul\\_i\\_2015.pdf](https://dspace.nplg.gov.ge/bitstream/1234/315114/1/Geologiis_Institutis_Shromata_Krebul_i_2015.pdf) (in Georgian).
11. *G. Bzalava, V. Gvakharia, T. Adamia* (2011). Manganese Pollution Problems in Chiatura Mining Region. Experimental and Clinical Medicine, 2011, No 3, pp. 71-74. ISSN 1512-0392. (in Georgian).
12. *W. Toskano, M. Lampi, V. Gvakharia, T. Adamia, T. Khukhunia, G. Bjalava, A. Chirakadze, Z. Buachidze, G. Lordkipanidze, I. Chelidze, R. Gigauri, N. Chakvetadze, M. Chokheli, M. Mirtskulava* (2011). Examination of arsenic contamination areas in Racha and Lower Svaneti, related health-risks assessment and development of appropriate physical, chemical and biological technologies for hazard mitigation. International Scientific Conference: Physical Research Methods in Medicine, 27-29 October 2011, Tbilisi, Proceedings, Pp. 43-47. IISBN 978-9941-14-995-5.
13. *N. Benashvili, V. Gvakharia, N. Machitadze, Ts. Khukhunia, T. Adamia* (2010). Manganese and arsenic content in solid drift of the River Rioni and bottom sediments of the estuary. Georgian Technical University. International Scientific-technical conference "Sustainable development and protection of environment. Transactions. 2010. p. 311-313. ISBN 978-9941-14-868-2(in Georgian).
14. *V. Gvakharia, A. Chirakadze, M. Mirtskhulava, L. Sakhvadze, R. Gigauri, I. Chelidze, T. Adamia, Z. Buachidze* (2010). Developing and bench-scale testing of soft decontamination-remediation methods to be used in highland of Georgia. 9th Symposium on remediation in Jena "Jenaer Sanierungs kolloquium" "Microbial impact on element mobility". 4-5 October, 2010. Friedrich Schiller University Jena. Conference proceedings. 2010. P. 42.
15. *V.Gvakharia, A.Chirakadze, M.Mirtskhulava, L.Sakhvadze, R.Gigauri, I.Chelidze, T. Adamia, Z.Buachidze, V.Beria* (2010). Developing and bench-scale testing of soft decontamination-remediation methods to be used in the highland of Georgia. Georgia Chemical Journal, 2010, v. 10, No. 4. Proceedings of the First International Conference "The Main Current Ecological Problems and Caucasus", Tbilisi, Georgia, July, 4-6. ISSN: 1512-1887.
16. *V. Gvakharia, J. Gabechava, R. Khargelia, T. Adamia, B. Chikhladze* (2010). Mineral waters of Borjomi Region. International Scientific – Practical Conference "Mineral water Borjomi and Human Helth". 23-24 October, 2010, Bakuriani, Georgia.
17. *Sakhvadze L., Adamia T., Buachidze Z., Gvakharia V., Chirakadze A.* (2009). Bacterial Leaching of Arsenic from Arsenic ore Waste and Industrial Production of Arsenic Compounds. Proceedings of Microbiology Institute of the Azerbaijan National Academy of Sciences, 2009.
18. *Gvakharia V.G., Khargelia R.G., Adamia T.M., Gabechava J.Sh., Girgvliani D.A., Stamateli M.Yu., Dochviri A.A., Machavariani B.K.* (2006). The current state of production of Georgian bottled waters. 7th International Congress "Water: Ecology and Technology –

- ECWATECH-2006". Moscow, Russia, 30 May - 2 June, 2006. Proceedings of the Congress. Vol. II P.1080. (in Russian).
19. *Gvakharia V., Khargelia R., Girgvliani D., Adamia T., Gabechava J., Tsulukidze I., Koroshinadze T., Lashkhauri M., Tatulashvili M., Tabidze M., Sakvarelidze N., Dochvili A., Machavariani B.* (2005). Regarding the final stage of preparation of the Georgian National Standard for bottled mineral waters. Actual Problems of Complex Usage of Resort and other nonmedicinal Factors. Collection of Scientific Works of International Symposium, Tskaltubo, Georgia, 2005. Pp. 100-103. ISBN 99940-775-1-1. (in Russian).
  20. *Chagelishvili R., Gaprindashvili V., Gvelesiani G.G., Mechurchlishvili T., Mechurchlishvili M., Adamia T.M.* (2005). Proceeding of Madneuli Pyrite-Gold Containing Ores. Modern problems of complex processing of natural and technogenic mineral raw materials. St. Petersburg, 2005, p. 391-393. (in Russian).
  21. *Gvakharia V.G., Gabechava J.Sh., Khargelia, Adamia T.M., Dochviri A.A., Machavariani B.K.* (2005). Mineral Waters of Georgia. Pitievaia Voda. 2005 No 3, pp. 17-26. [eLIBRARY ID: 9128626](#) (in Russian).
  22. *Gvakharia V.G., Gelashvili N.AE., Gvakharia T.A., Adamia T.M., Janashvili N.D., Maisuradze G.B.* (2004). The method for determination of petroleum hydrocarbons and the study of pollution level of bottom sediments within the Georgian section of the Black Sea water area. Georgian Engineering News, 2004, №2, c.108-110. ISSN 1512-0287. <https://gen.techinformi.ge/inf22.htm>.
  23. *M. Lashkhauri, N. Sakvarelidze, M. Grzelishvili, K. Kiknadze, N. Shubitidze, V. Gvakharia, T. Adamia* (2004). Hygienic requirements to the quality of the bottled drinking water. Sakartvelos samedicino moambe, 2004, v.2, p.p.69-74. ISSN 512-1062 (in Georgian).
  24. *N. Gelashvili, V. Gvakharia, T. Gvakharia, T. Adamia, Kh. Loria, G. Maisuradze* (2004). Methods for detection of petroleum hydrocarbons in water, soil and bottom sediments. A. Janelidze Geoloical Institute, Proceeding, New Series, 2004. Vol. 119, pp. 856-860. [Geologiis Institutis Shromata Krebuli 2004.pdf](#) (in Russian).
  25. *V. Gaprindashvili, R. Chagelishvili, A. Gvelesiani, T. Mechurchlishvili, M. Mechurchlishvili, V. Gvakharia, T. Adamia* (2004). Proceeding of Madneuli (Georgia) Pyrite-Gold Containing Ores. Courier (Matsne) of the Georgian Academy of Sciences, series chemistry, 2004. vol.30, No 3-4. pp. 326-331. ISSN: 0132-6074 [https://dspace.nplg.gov.ge/bitstream/1234/188773/1/Macne\\_2003\\_N3-4.pdf](https://dspace.nplg.gov.ge/bitstream/1234/188773/1/Macne_2003_N3-4.pdf) (in Georgian).
  26. *V. Gvakharia, J. Gabechava, G. Supatashvili, T. Davitaia, N. Imnadze, T. Adamia, N. Sulamanidze* (2004). Soil and Water Quality Monitoring in Khobistskali River Basin. Problems of The Black Sea Basin and Environmentally Friendly Agrarian Practices National Conference. Adjara, Chakvi, October 11-12, 2004. Pp. 63-68. <http://web.worldbank.org/archive/website01501/WEB/IMAGES/GEORGI-2.PDF> (in Georgian).
  27. *Gvakharia V.G., Khargelia R.G., Gabechava J.Sh., Stamateli M.Y., Adamia T.M., Dochviri A.A., Kadagishvili N.D.* (2004). Regarding the Creation of Georgian National Standard for Bottled Mineral Water. Pitievaia Voda, 2004. No4, pp. 16-20. [eLIBRARY ID: 9128626](#) (in Russian).
  28. *Gvakharia V.G., Khargelia R.G., Adamia T.M., Dochvili A.A., Kadagishvili N.D., Gabechava J.Sh., Stamateli M.Y.* (2004). Study of water manifestations of fresh and mineral underground waters of the hydrogeological region of the southern slope of the Greater Caucasus within Georgia. 6th International Congress "Water, ecology and

- technology” ECWATECH-2004, Moscow. 1-4 June, 2004. Congress Proceedings. Part I, 188-189. (in Russian).
29. *Gvelesiani G.G., Gaprindashvili V.N., Chagelishvili R.D., Mechurchlishvili T.I., Adamia T.M.* (2004). Proceeding of Madneuli Gold Containing Ores. Modern methods for assessing the technological properties of difficult-to-treat and non-traditional mineral raw materials of noble metals and diamonds and advanced technologies for their processing. G. Irkutsk. 2004. Pp. 71-73. (in Russian).
  30. *G. Adamia, G. Khatishashvili, T. Varazashvili, T. Ananiashvili, V. Gvakharia, T. Adamia* (2003). Determination of the Type and Rate of Soil Contamination with Heavy Metals and Organic Toxicants on the Territories of Military Proving Grounds in Georgia. Bull. Of Georgian Academy of Sciences Moambe, 2003, volume 167 number 1. ISSN 0132 – 1447. <http://science.org.ge /old/moambe / New/pub15/167 1/1671.html>
  31. *V. Gaprindashvili, G. Gvelesiani, T. Mechurchlishvili, M. Mechurchlishvili, R. Chagelishvili, V. Gvakharia, T. Adamia* (2001). Complex Treatment of Pyrite Tailings// Courier (Matsne) of the Georgian Academy of Sciences, series chemistry, vol. 27, No 1-2, pp. 160-163 (in Georgian).
  32. *G. Gvelesiani, V. Gaprindashvili, T. Mechurchlishvili, V. Shavgulidze, R. Chagelishvili, M. Mechurchlishvili, V. Gvakharia, T. Adamia* (1999). Investigation of the thiocarbamidum processing of gold- and silver-bearing quartzites of Madneuli (Georgia). Courier (Matsne) of the Georgian Academy of Sciences, series chemistry, vol. 25, No 3-4, pp. 315-325 (in Georgian).

### Citation index

Web of Science – 4, H-1; Google Scholar – 17, H-2.

### Participation in scientific events

1. Estimation of Noise Pollution of Tornike Eristavi Street of Tbilisi by Motor Transport. A. Mikaberidze, V. Gvakharia, **T. Adamia** (2020). The Development of Mining and Geology is the Precondition for the Revival of Economy. 6th International Scientific- Practical Conference on up-to date Problems of Mining & Geology. Tbilisi, Georgia. 2020, 24-25 September. Mineralogical Society of Georgia, G. Tsulukidze Mining Institute Georgian Technical University. Book of Abstracts Pp. 63-64.
2. Present Conditions of Shovi Carbon Dioxide Mineral Water Deposit. A. Jgamadze, A. Maglakelize, **T. Adamia**, V. Gvakharia (2019). The International Scientific Conference "Environmental Protection and Sustainable Development" dedicated to Professor Victor Eristavi's Memory. Tbilisi, Georgia, 2019, 11-12 November, Georgian Technical University. Book of Abstracts, P. 114-115 (in Georgian).
3. Estimation of Noise Pollution of Shalva Nutsubidze and Simon Kandelaki Streets of Tbilisi by Motor Transport”. A. Mikaberidze, V. Gvakharia, **T. Adamia**, G. Zhorzholiani (2018). Power of Geology is the Preconditions for Regeneration of Economics. International Scientific-Practical Conference on up-to date Problems of Geology. Tbilisi, Georgia. 2018, 29-30 May. Mineralogical Society of Georgia, Georgian Technical University Book of Abstract. Pp. 79-82.
4. Assessment of the State of Noise Pollution in Some Main Traffic highways of Saburtalo District of Tbilisi A. Mikaberidze, M. Jibladze, V. Gvakharia, **T. Adamia**, G. Zhorzholiani (2017). Power of Geology is the Preconditions for Regeneration of Economics. International Scientific-Practical Conference on up-to date Problems of

- Geology. Tbilisi, Georgia. 2017, 1-2 June. Mineralogical Society of Georgia, Georgian Technical University. Book of Abstracts. Pp.92-95. ISBN 978-9941-20-832-4.
5. On Technical Water Supply of Tbilisi” V. Gvakharia, J. Gabechava, A. Jghamadze, **T. Adamia**, G. Metreveli, M. Stamateli, B. Lebanidze, D. Sozashvili (2016). Power of Geology is the Preconditions for Regeneration of Economics. International Scientific–Practical Conference on up-to date Problems of Geology. Tbilisi, Georgia. 2016, 19 – 20 May. Mineralogical Society of Georgia. Georgian Technical University. Book of Abstracts. Pp. 50-52. ISBN 978-9941-20-649-8.
  6. Content of Mn and As in the river Rioni Hydrosystem and Estuarine Zone Bottom Sediments V. Gvakharia, N. Machitadze, N. Benashvili, G. Bzhalava, Ts.Khukhunia, **T. Adamia** (2011). 3rd Bi-annual BS Scientific Conference and UP-GRADE BS-SCENE Project Joint Conference. Odessa, Ukraine. 2011, 1 - 4 November. The commission on the protection of the black sea against pollution (Black Sea Commission) & Ministry of environment and natural resources of ukraine & Up-grade black sea scientific network – EC FP7 project With the support of European commission Ukrainian scientific center of ecology of the sea. Abstracts, p. 36.
  7. Evaluation of the Effect of High Concentrations of Environmental Manganese on Young Children in Zestaphoni, Georgia. Nana Mebonia, K. Dadiani, N. Gabriadze, N. Chakvetadze, N. Kazachashvili, M. Mircxulava, **T. Adamia**, P. Imnadze (2011). 60st Annual Epidemic Intelligence Service (EIS) Conference. Atlanta, Georgia. USA. 2011, April 11-15. Department of Health and Human Services, USA. Abstracts, P.107.
  8. Study of arsenic-containing waste polluted areas in Georgia and identification of related risks of an impact on environment. Gvakharia V., **Adamia T.**, KhukhuniaTs., Bzhalava G., Chkhaidze (2010). The International Scientific Conference „Promblems of Geology of the Caucasus“ dedicated to the 85-th anniversary of Alexandre Janelidze Institute of Geology. Tbilisi, Georgia. 2010. 25-27 November. A. Janelidze Institute of ecology of I. Javakhishvili Tbilisi State University. Abstracts. Pp. 45-46.
  9. Springs of Tbilisi. General Sanitary – Hygienic state. Chemical and Bacteriological Investigations of springs Water. V. Gvakharia, V. Tskhvaradze, J. Gabechava, N. Sakvarelidze, R. Khargelia, **T. Adamia**, R. Manjgaaladze (2000). 4<sup>th</sup> International Congress “Water: Ecology & Technology ECWATECH-2000. Moscou, Russia. Abstracts, P. 322-323 (in Russian).
  10. An Experience of Planning and Production of Mineral Waters in Georgia. V. Gvakharia, V. Tsitsishvili, J. Gabechava, M. Stamateli, **T. Adamia** (2000). 4<sup>th</sup> International Congress “Water: Ecology & Technology ECWATECH-2000. Moscou, Russia. Abstracts, P. 803 (in Russian).

### **Grant projects**

1. STCU-Nº p322b. Regional evaluation of mining-related metals contamination, risks, and innovative remediation technologies in Ukraine and Georgia. Science and Technology Center in Ukraine 01.09.2011-31.08.2013. Participant. P 2002 2825 B.
2. MHTU #5246 Study of arsenic contaminated territories and identification of environmental risks. Shota Rustaveli National Scientific Foundation of Georgia and Science and Technology Center in Ukraine. 2010-2011. Participant.
3. STCU-GNSF #4995 “Eco toxicological Impact of manganese on children health”. Shota Rustaveli National Scientific Foundation of Georgia and Science and Technology Center in Ukraine. 2009. Participant.

4. GNSF/STO7/5-206 “Study of geochemistry of the Georgian sector of the Black Sea and dynamics of accumulation of pollutants”. Shota Rustaveli National Scientific Foundation of Georgia. 01.01.2008 31.12.2009. Participant.
5. 4.12.02. Georgia’s Palaeography in a Quarter. Georgian National Academy of Sciences 2002-2003. Head of Laboratory.

**Additional information**

**Other work history**

1991 - up to date – Vice President of Scientific research Firm GAMMA.

**Patents**

P 2002 2825 B. National Intellectual Property Center of Georgia SAKPATENTI. Tariel Adamia, Manana Mamporia, Tsisana Gagnidze, Jondo Gvelesiani, Tamaz Lezhava, Vakhtang Gvakharia, Guram Gvelesiani. Method for Obtaining Gold. 4717/1.