



Nino Gelashvili

Position:

Major scientist, Al. Janelidze Institute of Geology of Iv. Javakhsishvili Tbilisi State University, Department of Environmental Protection.

Scientific/academic degree, title

PhD, (Chemical Ecology; 2005). Dissertation “Study of the quality of oil hydrocarbon pollution in Georgian Sector of the Black Sea”

Contact information

Address: Tbilisi, Georgia. A. Politkovskaia str. 41, ap. 88.

Tel: (+995) 599 46 12 92

Email: n.gelashvili@gamma.ge

Education

1992-1997 - Iv. Javakhsishvili Tbilisi State University, Faculty of Chemistry. Tbilisi, Georgia, specialization - inorganic and general chemistry.

Employment history

2015 up to date - Al. Janelidze Institute of Geology of Iv. Javakhsishvili Tbilisi State University, Department of Environmental Protection. Major scientist.

2019 up to date - Georgian Institute of Public Affairs (GIPA), Assistant Professor of MA Program in Environmental Management and Policy.

Research interests

- Research on oil hydrocarbons, Organochlorine Pesticides and polychlorinated biphenyls (PSBs) By gas chromatographic methods in environmental facilities (water, soil, and sedimentary sediments);
- Work out environmental monitoring programs and implementation monitoring in environmental facilities (sea, rivers, etc.);
- Assessment, identification and monitoring of river and marine solid waste (Marine Litter).

Publications

1. *D. Demetrashvili, K. Bilashvili, N. Machitadze, N. Tsintsadze, V. Gvakharia, N. Gelashvili, V. Trapaidze, I. Kuzanova* (2022). Numerical Modelling of Marine Litter Distribution in Georgian Coastal Waters of the Black Sea. *Journal of Environmental Protection and Ecology* 23, No 2, pp. 531–541 (2022). <https://scibulcom.net/en/journal/1311-5065/issue/2022-23-2/>
2. *D. Gonzalez-Fernandez, G. Hanke, M. Pogojeva, N. Machitadze, Y. Kotelnikova, I. Tretiak, O. Savenko, K. Bilashvili, N. Gelashvili, A. Fedorov, D. Kulagin, A. Terentiev, J. Slobodnik* (2022). Floating marine macro litter in the Black Sea: Toward baselines for large-scale assessment. *Environmental Pollution* 309 (2022) 119816. <https://doi.org/10.1016/j.envpol.2022.119816>
3. *N. Machitadze, K. Bilashvili, V. Gvakharia, N. Gelashvili, I. Kuzanova, V. Trapaidze* (2020). Analysis of the monitoring of the beach litter in the Georgia. *Marine Litter in the Black Sea. Marine Litter in the Black Sea. Turkish Marine Research Foundation (Türk Deniz Araştırmaları Vakfı) Publication No: 56. Istanbul, 2020. Pp. 37-47. ISBN: 978-975-8825-48-6.* https://tudav.org/wpcontent/uploads/2020/10/MarineLitterintheBlackSea_tudav.pdf
4. *M. Pogojeva, D. González-Fernández, G. Hanke, N. Machitadze, Y. Kotelnikova, I. Tretiak, O. Savenko, N. Gelashvili, K. Bilashvili, D. Kulagin, A. Fedorov* (2020). Composition of floating macro litter across the Black Sea. *Marine Litter in the Black Sea. Turkish Marine Research Foundation (Türk Deniz Araştırmaları Vakfı). Marine Litter in the Black Sea. N 56. Pp. 161-170. ISBN: 978-975-8825-48-6.* https://tudav.org/wp-content/uploads/2020/10/MarineLitterintheBlackSea_tudav.pdf
5. *N. Machitadze, K. Bilashvili, D. González-Fernández, V. Gvakharia, N. Gelashvili, I. Kuzanova, V. Trapaidze* (2020). Results of the monitoring of the marine and reverie floating macro litter in the Black Sea, Georgia. *Marine Litter in the Black Sea. Marine Litter in the Black Sea. Turkish Marine Research Foundation (Türk Deniz Araştırmaları Vakfı). Marine Litter in the Black Sea. N 56. Pp. 71-182. ISBN: 978-975-8825-48-6.* https://tudav.org/wp-content/uploads/2020/10/MarineLitterintheBlackSea_tudav.pdf
6. *D. González-Fernández, M. Pogojeva, G. Hanke, N. Machitadze, Y. Kotelnikova, I. Tretiak, O. Savenko, N. Gelashvili, K. Bilashvili, D. Kulagin, A. Fedorov, M. ÇağanŞenyiğit, Ü. Aytan* (2020). Anthropogenic litter input through rivers in the Black Sea. *Marine Litter in the Black Sea. Turkish Marine Research Foundation (Türk Deniz Araştırmaları Vakfı). Marine Litter in the Black Sea. N 56. Pp. 183-191. ISBN: 978-975-8825-48-6.* https://tudav.org/wp-content/uploads/2020/10/MarineLitterintheBlackSea_tudav.pdf
7. *Gelashvili N.E., Maisuradze G. V., Janashvili N.D., Machitadze N.O., Gaprindashvili N. G., Gvakharia V.G.* (2020). Level of Oil Hydrocarbons and Their Distribution within the Deep Layers of Bottom Sediments of Batumi Coast Guard Harbor and the North Part of Port of Poti. 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. Pp. 254-255. ISBN 978-9941-8-2009-0. (in Georgian).
8. *Machitadze N.O., Gvakharia V.G., Gelashvili N.E., Gaprindashvili N.G., Papashvili I.G.* (2020). Content and Distribution of Metals in Bottom Sediment Deep Layers of Sea Area of Poti Northern Port. 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. Pp. 249-252. ISBN 978-9941-8-2009-0. (in Georgian).

9. *Gaphrindashvili N. G., Gvakharia V.G., Machitadze N. O., Gelashvili N. G., Papashvili I.G.* (2020). Assessment of Accumulation Processes in the Sea Area of Poti Northern Port. 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. Pp. 253-254. ISBN 978-9941-8-2009-0. (in Georgian).
10. *A. Oros, Y. Denga, V. Gvakharia, N. Machitadze, N. Gelashvili, N. Benashvili, A. Korshenko, A. Luybimtsev* (2019). Trace Metals. Chapter 1.2.6. Commission on the Protection of the Black Sea against Pollution, Istanbul. Black Sea State of Environment. Report 2009-2014/5. 2019. Pp. 176-211. ISBN 978-605-84837-0-5.
<https://ec.europa.eu/environment/marine/international-cooperation/regional-sea-conventions/bucharest/pdf/SoE2009-2014.pdf>
11. *N. Gaphrindashvili, I. Papashvili, N. Machitadze, N. Gelashvili, V. Gvakharia.* (2018). Assessment of Lithodynamic Status of Batumi - Gonio Coastline. Georgia Chemical Journal. 2018. Vol. 18, No1. Pp. 223-228. ISSN 1512-0686. (in Georgian).
12. *N. Machitadze, N. Gaphrindashvili, L. Zazadze, N. Gelashvili, V. Gvakharia.* (2018). Evaluation of Marine Litter on the Georgian Black Sea Beaches. Georgia Chemical Journal. Vol. 18, No1. Pp. 211-216. ISSN 1512-0686. (in Georgian).
13. *N. Machitadze, N. Gelashvili, V. Gvakharia, K. Bilashvili, V. Trapaidze, N. Gaphrindashvili, A. Maglakelidze* (2018). Monitoring of Marine Beach and Riverine Floating Litter within Georgian Black Sea Coastal Area. Journal of Environmental Protection and Ecology. Vol. 19, No 2, pp.583-591. ISSN 1311-5065.
<http://www.jepe-journal.info/journal-content/vol-19-no-2-1>.
14. *Y. Denga, I. Orlova, V. Komorin, Y. Oleynik, A. Korshenko, K. Hushchyna, N. Lukyanova, S. Kochetkov, M. Arabidze, N. Machitadze, N. Gelashvili, H. Bakradze, E. Kitoshvili, V. Medinets, G. Zolotarov, V. Chasovnikov, I. Matveeva, S. Zhugailo* (2016). Chapt. V.1. DESCRIPTOR 8: Contaminants in the environment. National Pilot Monitoring Studies and Joint Open Sea Surveys in Georgia, Russian Federation and Ukraine, 2016. Final Scientific Report. Pp 282-338.
15. *V. Ukrayinskyy, V. Komorin, S. Kovalyshyna, K. Hushchyna, V. Pysarenko, A. Korshenko, A. Mikaelyan, N. Gelashvili, M. Arabidze, I. Baramidze* (2016). Chapt IV. DESCRIPTOR 5: Eutrophication National Pilot Monitoring Studies and Joint Open Sea Surveys in Georgia, Russian Federation and Ukraine, Final Scientific Report. 2016. Pp 216-281.
16. *Machitadze N., Gelashvili N., Maisuradze G., Kolomikovi S., Gvakharia V.* (2016). Tbilisi soils contamination with heavy metals and total petroleum hydrocarbons. International Scientific Practical Conference “Modern Technologies and Environment” 19-20 May, 2016 Kutaisi, Georgia. Proceedings. Vol II Pp 422-425 2016. Pp. 422-425. ISBN 978-9941-453-91-5. https://atsu.edu.ge/images/pdf/krebulebi/tom_iMETEP%202016.pdf. (in Georgian).
17. *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 Javakishvili Tbilisi State University. Proceedings. New Series. Vol. 127. Pp. 206-210. https://dspace.nplg.gov.ge/bitstream/1234/315114/_/Geologiis_Institutis_Shromata_Krebuli_2015.pdf. (in Georgian).
18. *V. Gvakharia, J. Gabechava, T. Adamia, N. Tsigirladze, 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 Ivane Javakishvili Tbilisi State University Proceedings. New Series. Vol. 127. Pp. 200-206.

- https://dspace.nplg.gov.ge/bitstream/1234/315114/1/Geologiis_Institutis_Shromata_Krebuli_2015.pdf (in Georgian).
19. *V. Gvakharia, N. Machitadze, N. Gelashvili, N. Benashvili* (2011). Hydrochemical Investigation of Black Sea Rivers' Downstream in Georgian Sector. The Innovation processes in ICSTI". International Information-analytical collection. 4th edition "Production problems of clean water and its innovative way-outs". 2011. p. 69-79 .<http://www.icsti.su/portal/products/?lang=e&id=21> (in Russian)
 20. *V. Gvakharia, N. Machitadze, N. Gelashvili, N. Benashvili* (2011). Hydrochemical Investigation of Black Sea Rivers' Downstream in Georgian Sector. The Innovation processes in ICSTI". International Information-analytical collection. 4th edition "Production problems of clean water and its innovative way-outs". 2011. p. 69-79. <http://www.icsti.su/portal/products/?lang=e&id=21> (in Russian)
 21. *N. Gelashvili, V. Gvakharia, G. Maisuradze.* (2010) Determination of Petroleum Hydrocarbons in Georgian Sector of the Black Sea. Experimental and Clinical Medicine, №4 (59), pp. 117-121. ISSN 1512-0392. (in Georgian).
 22. *V. Gvakharia, N. Machitadze, M. Stamateli, N. Gelashvili, N. Benashvili, Ts. Khukhunia, L. Khomeriki* (2010). Content and Distribution of Metals and Petroleum Hydrocarbons in the Black Sea Bottom Sediments within the Coastal Zone in the Limits of Georgia (according to the 2008 data). Alexandre Janelidze Institute of Geology. Proceedings. New Series, vol. 125, p. 89–97. https://dspace.nplg.gov.ge/bitstream/1234/315111/1/Geologiis_Institutis_Shromata_Krebuli_2010.pdf (in Georgian.)
 23. *N. Benashvili, V. Gvakharia, N. Machitadze, N. Gelashvili, L. khomeriki, Ts. Khukhunia* (2010). Sediments in the Downstream Sections of the Black Sea Basin Rivers of Georgia. Experimental and Clinical Medicine, No4 (59), pp. 107-111. ISSN 1512-0392. (in Georgian).
 24. *V. Gvakharia, N. Machitadze, N. Gelashvili, N. Benashvili* (2009). Hydrochemical investigation of Black Sea Rivers Downstream in Georgian Sector. Bulletin of St. Andrew The First-Called Georgian University of the Patriarchy of Georgia, No.1, pp. 134-142. ISSN 1987-734X. (in Georgian).
 25. *V. Gvakharia, G. Maisuradze, N. Gelashvili, N. Djanashvili, N. Ckheidze, N. Asanidze* (2009) Survey in the environment objects contaminated with Petroleum hydrocarbons. Bulletin of St. Andrew the First-Called Georgian University of the Patriarchy of Georgia, №2, p. 146-158. ISSN 1987-734X. (in Georgian).
 26. *V. Gvakharia, S. Tsabadze, G. Maisuradze, N. Gelashvili, T. Sharashenidze* (2007). Determination of pollution degree of soil and water contaminated with petroleum. Proceedings of Georgian Academy of Sciences. Chemical Series. Chemical Ecology, V. 33, № 4, p. 471-475. ISSN 0132-6074. (in Georgian).
 27. *V. Gvakharia, N. Machitadze, N. Gelashvili, D. Girgvliani.* (2006). Chemical ecology of the bottom sediments of the Georgian sector of the Black Sea. Proceedings. The sciences of Earth. Azerbaijan National Academy of Sciences. No 4, pp. 44-49. ISBN 9952-437-18-8. (in Russian).
 28. *L. Amiranashvili, N. Gagelidze, L. Tinikashvili, Kh. Varsimashvili, D. Chrikishvili, N. Gelashvili, D. Graves, E. Kirtadze, M.* (2005). Ghoghoberidze and G. Kvesitadze. Selection of soil microorganisms capable of degrading mineral oil. Jurnal of Biological Physics and Chemistry, 5. pp. 84-88. ISSN 1512-0856.
 29. *Barbakadze N.G., Mikadze I.I., Gelashvili N.E., Maisuradze G. V., Dolidze A. V.* (2005). About Rehabilitation of the territories of former military bases in Akhaltsikhe. Georgian Engineering News, №3, pp.168-170. ISSN 1512-0287. (in Russian).

30. *D. Ioseliani, T.S. Naskidashvili, M. Burdjanadze, T. Sharashenidze, N. Gelashvili, N. Kalabegashvili, N. Giorgadze.* (2004). Catalytic Isomerization of EUGENOL. Proceedings of the Georgian Academy of Sciences. Chemical Series. V. 30, №1-2, pp. 169-171. (in Georgian).
31. *N.E. Gelashvili, V.G. Gvakharia; T.A. Gvakharia, T.M. Adamia, Kh.B. Loria, G. V. Maisuradze.* (2004). Methods for detection of petroleum hydrocarbons in water, soil and bottom sediments. Proceedings of Al. Janelidze Geological Institute of Georgian Academy of Sciences. Vol. 119. p. 857-860. (in Russian).
32. *V.G. Gvakharia, Khargelia R.G, Gelashvili N.E, Djanashvili N.D, Maisuradze G. V. B.* (2004). Petroleum hydrocarbons pollution level study of Georgian Sector of the Black Sea. VI International Congress "Water, ecology and technology 2004, Russia, Moscow. Part 1, pp. 321. (in Russian).
33. *Gvakharia V.G., Gelashvili N.E., Gvakharia T.A., Adamia T.M., Janashvili N.D., Maisuradze G.B.* (2004). 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, №2, pp. 108-110. ISSN 1512-0287.
<http://www.tech.caucasus.net/gen/sum22.htm>
34. *V.G. Gvakharia, N.O. Machitadze, G. V. Maisuradze, R.G. Khargelia, N.E. Gelashvili.* (2004). Heavy metals and petroleum hydrocarbons content in bottom sediments of Supsa oil transshipment terminal water area. Proceedings of A. Janelidze Geological Institute, New Series, Vol. 119, Pp. 840-844. [Geologiis Institutis Shromata Krebuli 2004.pdf](#) (in Russian).
35. *V. Gvakharia, N. Gelashvili, N. Machitidze, G. Maisuradze, R. Khargelia, D. Girgvliani, G. Bedenashvili.* (2004). Ecological Problems of the Black Sea Basin and Environmentally Friendly Agrarian Practices National Conference. Ajara, Chakvi, October 11-12, 2004. pp. 34-37 Challenges of Chemical Ecology in the Georgian Section of the Black Sea Area.
<http://web.worldbank.org/archive/website01501/WEB/IMAGES/GEORGI-2.PDF>
(in Georgian).
36. *Maisuradze G., Gelashvili N., Kekelia D., Sharashenidze T., Burjanadze N.* (2003). Gas-liquid chromatography method for the analysis of eugenol and its isomers. Proceedings of the Georgian Academy of Sciences. Chemical Series. V. 29, №1-2, pp. 88-90. (in Georgian).
37. *Gelashvili N., Maisuradze G., Jaiani I.* (2003). The analysis of aromatic hydrocarbons of balanced airphase gas chromatography method in water samples. Proceedings of the Georgian Academy of Sciences. Chemical Series V. 29. №3-4, p. 314- 318. (in Russian).
38. *G. Maisuradze, G. Tsitsishvili, D. Kekelia, N. Gelashvili, M. Burdjanadze, T. Agladze, T. Sharashenidze.* (2001). Influence of electric field on ion-exchange kinetics in Fojgazite type zeolites. Proceedings of the Georgian Academy of Sciences. Chemical Series. V. 27. №1-2. pp. 93-96. (in Russian).
39. *Gvakharia V., Tsitsishvili V., Maisuradze G., Gelashvili N., Loria Kh., Girgvliani D.* (2000). Use of Chromatography in Ecological Audit of Water Areas and Neighboring Territories of Black Sea coast of Georgia. The Second West Ukrainian Symposium on Adsorption Chromatography, p. 151-155.
40. *G. Tsitsishvili, G. Maisuradze, T. Chumburidze, N. Gelashvili, D. Kekelia* (2000). On the stysy of interaction between carbon oxide molecules and copper containing Y type zeolites. Proceedings of the Georgian Academy of Sciences. Chemical Series. V. 26, №3-4, pp. 96-101. (in Georgian).
41. *T. Sagareishvili, B. Grigolova, N. Gelashvili, E. Kemertelidze* (2000). The composition of the essential oil SALVIA OFFICINALIS, cultivated in Georgia. Chemistry of Natural Compounds. №4, pp. 294-295.
<http://link.springer.com/article/10.1023/A%3A1002884612229>. (in Russian).

Citation index

Scopus -7, H-index -1; Web of science - 17, H- index -2; Google scholar - 26, H-index - 2.

Participation in scientific events

1. Content and distribution of metals in bottom sediments deep layers of sea area of Poti northern port. Machitadze N., Gvakharia V., **Gelashvili N.**, Gaphrindashvili N., Papashvili I. (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. Abstracts. Pp. 144-145. (in Georgian).
2. Level of oil hydrocarbons and their distribution within the deep layers of bottom sediments of Batumi coastal guard harbor and the north part of port of Poti. **Gelashvili N.**, Maisuradze G., Janashvili N., Machitadze N., Gaphrindashvili N., 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. Abstracts. Pp. 143-144. (in Georgian).
3. Assessment of accumulation processes in the sea area of Poti northern port. N. Gaphrindashvili N., V. Gvakharia, Machitadze N., **Gelashvili N.**, Papashvili I. (2019). International Scientific Conference "Environmental Protection and Sustainable Development", dedicated to Professor Victor Eristavi's Memory. Tbilisi, Georgia, 2019. 11-12 November, Georgian Technical University. Abstracts. Pp. 115-117 (in Georgian).
4. Black Sea monitoring to evaluate the ecological state of the sea water in the Georgian coastal area“ R. Diakonidze, K. Bilashvili, V. Trapaidze, I. Baramidze, T. Supatashvili, B. Diakonidze, N. Machitadze, **N. Gelashvili** and V. Gvakharia. (2018). IMDIS 2018 International Conference on Marine Data and Information Systems. Barcelona, Spain. 2018, 5-7 November. CSIC (Consejo Superior de Investigaciones Cientificas, Spain), jointly with IFREMER, OGS and IOC/IODE, in the frame of the SeaDataCloud project (EU H2020 Grant Agreement 730960). Bollettino di Geofisica e Geodinamica Ambientale. Vol. 59, Supplement 1, Pp.312-313. <https://bgo.ogs.it/pdf/IMDIS2018-Cover.pdf>
5. Floating marine macro litter monitoring in the Black Sea: EMBLAS II experience. Maria Pogojeva, Nino Machitadze, **Nino Gelashvili**, V. Gvakharia, Kakha Bilashvili (2018). Sixth International Marine Debris Conference, San Diego, California, USA. 2018, March 12-16, Book of abstracts. P. 162. National Oceanic and Atmospheric Administration (NOAA) and the United Nations Environment Programme (UN Environment. Book of abstracts. P. 162 http://internationalmarinedebrisconference.org/wp-content/uploads/2018/05/6IMDC_Book-of-Abstracts_2018.pdf
6. Monitoring of Marine Beach and Riverine Floating Litter within Georgian Black Sea Coastal Area“ N. Machitadze, **N. Gelashvili**, V. Gvakharia, K. Bilashvili, V. Trapaidze, N. Gaphrindashvili, A. Maghlakelidze (2017). International Symposium “Protection of the Black Sea Ecosystem and Sustainable Management of Maritime Activities” PROMARE 2017“, Constanta, Romania, 2017, 7-9 September. The National Institute for Marine Research and Development “GRIGORE ANTIPA“ (NIMRD). Book of Abstracts. Pp. 126 – 127. ISBN 987-606-528-382-4. http://www.rmri.ro/Home/Downloads/Publications.Symposia/Promare_2017_BookOfAbstracts.pdf
7. Monitoring of Beach Litter within Georgia's Black sea Coast“N. Machitadze, **N. Gelashvili**, V. Gvakharia, A. Maghlakelidze, N. Gaphrindashvili (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. 85-89. ISBN 978-9941-20-649-8.
8. Past pollution with Petroleum Products-one of the major environmental problems in Georgia. V. Gvakharia, T. Lagidze, **N. Gelashvili**, G.Maisuradze, M. Stamateli, V. Tsitsishvili (2014). International Mass Spectrometry Conference on Petrochemistry and Environmental PETROMASS 2014. Tbilisi Georgia. 2014. 1-4 September, I. Javakhishvili Tbilisi State University P. Melikishvili Institute of Physical and Organic chemistry. Georgian Association of Petrochemists. Book of Abstracts, p. 23-24. ISBN 978-9941-22-378.
 9. Petroleum Hydrocarbon pollution of soil in Tbilisi. **N. Gelashvili**,G. Maisuradze, V. Gvakharia, N. Machitadze, N. Janashvili, T. Tskhiereli (2014). International Mass Spectrometry Conference on Petrochemistry and Environmental PETROMASS 2014. Tbilisi, Georgia. 2014, 1-4 September. I. Javakhishvili Tbilisi State University, P. Melikishvili Institute of Physical and Organic chemistry, Georgian Association of Petrochemists. Book of Abstracts, p. 45-46. ISBN 978-9941-22-378.
 10. “Petroleum Hydrocarbon Pollution Survey of Georgian Black Sea Basin Rivers”. **N. Gelashvili**, V. Gvakharia, G. Maisuradze, N. Machitadze, N. Janashvili (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. 34.
 11. Georgia has cultivated medicinal salabis leaves essential oil. T. Sagareishvili, B. Grigolova, **N. Gelashvili**. (2000), Ivane Javakhishvili Tbilisi State University. III Republican Conference on Chemistry. Georgia, Tbilisi, 9-12 October, 2000, pp. 85-86.

Grant Projects

1. EMBLAS-Plus (Improving Environmental Monitoring in the BlackSea–Special Measures). 2019-2021. (UNDP). Senior researcher.
2. Innovative Techniques andMethods for Reducing Marine Litter in the Black Sea Coastal Areas. RedMarLitter BSB552 Foundation Via Pontica. 2018-2021. (UNDP). Senior researcher.
3. EMODnet (Ingestion and safe-keeping of marine data). 01.08.2017 - 30.05.2019. (UNDP, Project EASME/EMFF/2015/1.3.1.3/SI2.727770). European Union. Senior researcher.
4. Operation, development and maintenance of a European Marine Observation and Data Network EMODNET 3 Chemistry EASME/EMFF/2016/1.3.1.2/lot4 № SI2.749773. 01.07.2017- 30.07.2019. European Union. Senior researcher.
5. Environmental Monitoring in the Black Sea EMBLAS II (№88460). EMBLAS II (№88460). 01.05.2016 - 31.12.2018. (UNDP). Senior researcher.
6. Improving Environmental Monitoring in the Black Sea (EMBLAS II (№84971) United Nations Development Program (EMBLAS I # 84971) 01.12.2015- 31.12.2018. (UNDP). Senior researcher.

7. Improving Environmental Monitoring in the Black Sea (EMBLAS I (№84971) United Nations Development Program (EMBLAS I # 84971) 01.12.2014- 31.12.2014. (UNDP). Senior researcher.
8. GNSF/STO7/5-206 “Study of geochemistry of the Georgian sector of the Black Sea and dynamics of accumulation of pollutants”. 01.01.2008- 31.12.2009. Shota Rustaveli National Science Foundation of Georgia. Senior researcher.

Additional Information

Other Employment History

1998 up to date - Scientific Research firm “Gamma” LTD, Leading Specialist. Main responsibilities: Study of oil hydrocarbons, organochlorine Pesticides and polychlorinated biphenyls (PSBs) by chromatographic methods in environment components (water, soil, and bottom sediments); Working out environmental monitoring programs and monitoring of environmental facilities (sea, rivers, etc.).

2016 up to date - "Gamma Consulting" LTD, Leading Specialist. Main responsibilities: Conducting environmental audit and monitoring in the construction/operation of infrastructural facilities and preparation of the report; Inventory of waste generated in construction/operation of infrastructural facilities and preparation of waste management plans.

2015 up to date - "United National Accreditation Body - Accreditation Center". Technical evaluator/expert, invited specialist.

Certificates and training courses

1. 2022 - “Introduction to Statistics for Analytical Scientists”. June, 30, 2022. UNIDO/GQSP.
2. 2021 - “Risk Management and Conformity Assessment”. April, 26-28, 2021. UNIDO/GQSP. Certificate # 26/2021.
3. 2019 - Basic Training Course for All Appraisers. Unified National Body of Accreditation – Accreditation Center. Tbilisi, Georgia. 28.01 – 01.03. 2019.
4. 2019 - Qualification - Technical evaluator. Unified National Body of Accreditation – Accreditation Center. Tbilisi, Georgia. 30.04. 2019.
5. 2019 - Oiled Wildlife Response Exercise. BP, Georgia. 20.06.2019.
6. 2018 - ISO / IEC 17025: 2017/2018 General Requirements for Competence of Examination and Calibration Laboratories. Unified National Body of Accreditation – Accreditation Center. Tbilisi, Georgia. October, 11-12, 2019.
7. 2016 - Training Course on Marine Litter in the Black Sea. Monitoring of Beach and Floating Litter. Provided by the BSC/EMBLAS II Project. April, 13-14, 2016, Istanbul, Turkey.
8. 2016 - Advanced Training on ISO/IEC 17065:2012, including ISO/IEC 17067:2013. Support to Further Strengthening Accreditation in Georgia to Meet EU Best Practices - EU Founded Project. Tbilisi, Georgia, July, 6-8, 2016.
9. 2016 - Training Course on Marine Chemistry. Analysis of Organic Micropollutants by Gas Chromatography - Mass Spectrometry (GC-MS). EMBLAS II Project, July, 25-29, 2016, Odessa, Ukraine.
10. 2016 - Marine Chemistry. Analysis of Organic Micro-pollutants by Gas Chromatography-Mass Spectrometry (GC-MS) Part II. EMBLAS II Project. Odessa, Ukraine. November, 21-25.
11. 2015 - “Batumi High Marine Engineering School ANRI”, Ltd. “PERSONAL SURVIVAL TECHNIQUES” CERTIFICATE №012/2015. 7-8.09.2015. Training course “PERSONAL

- SURVIVAL TECHNIQUES” in accordance with STCW Regulation VI/1, Section A-VI/1, par. VI/1-1, Table A-VI/1-1. Batumi, September, 2015.
12. 2014 - General training course for new assessors of GAC. Unified National Body of Accreditation – Accreditation Center. Tbilisi, Georgia. 23-24 September, 2014.
 13. 2014 - Training course for laboratory assessors according ISO/IEC 17025. Unified National Body of Accreditation – Accreditation Center. Tbilisi, Georgia. October, 7-8, 2014.
 14. 2013 - Strengthening of the Metrology and Standardization Infrastructure According to the Best Practices in the EU Member States. European Union GE10/ENPPCA/TR/05. Tbilisi, Georgia. April, 23, 2013.
 15. 2013 - Twinning Project Strengthening Accreditation Infrastructure According to the Best Practice in the EU Member States. Funded by the European Union GE 10/ENPPCA/TR/09 ISO Guide 65/ISO 17065. Tbilisi, Georgia. April, 10-11, 2013.
 16. 2012 - Understanding the Requirements of ISO/IEC Guide 65 and ANSI Accreditation Process. American National Standards Institute (ANSI) workshop. February, 7, 2012. Tbilisi, Georgia.
 17. 2011 - Black sea regional Operating training GEODELTA 2011. September, 14-16, 2011. Batumi, Georgia.
 18. 2010 - Workshop - Near-4_Activity B. Karazin Kharkiv National University. “Impact of waste disposal on water quality ” Kharkiv, Ukraine 2010, September 7-10.
 19. 2010 - Participation in Water/Air Field Sampling. United States Environmental Protection Agency (US EPA); June-2 July, 30, 2010.

Teaching activities

2009-2019 – St. Andrew the First-Called Georgian University of the Patriarchate of Georgia. Invited teacher, Professor. Lecture Courses: – "Environmental Chemistry and Ecotoxicology"; "Black Sea Ecology"; " Oil production, refining and transportation ecology", "Ecological Audit and Ecological Monitoring, "Environmental Problems in Black Sea Basin and Complex Surveys."

2018-2019 – Department of Informatics, Mathematics and Natural Sciences, Department of Dissertation Board ("Ecology and Environment"), Board Member, Deputy Chairman.

2019 - up to date – Georgian Institute of Public Affairs (GIPA). Invited teacher, Professor. Lecture Course - “ Waste management”; „Environmental audit and monitoring“.

Academic Advisor of the Master's Thesis

- "Study of Petroleum Hydrocarbon Pollution among the Black Sea Basin Rivers of Georgia”. St. Andrew the First-Called Georgian University of the Patriarchate of Georgia;
- " Tbilisi soil contamination with petroleum hydrocarbons”. Agricultural University of Georgia.
- „Oil waste management in Georgia. problems and recommendations“, Georgian Institute of public Affairs (GIPA);
- “The management of electro and electronic device waste in Georgia, on the example of computer hardware waste”, Georgian Institute of public Affairs (GIPA).

Academic Advisor of the Doctoral Thesis

- „Study of Georgian Environmental Legislation for Harmonization with International Environmental Conventions (Waste and Chemicals Management - Basel Convention, Rotterdam Convention, Stockholm Convention)". St. Andrew the First-Colled Georgian University of the Patriarchate of Georgia.