



Georgian National Academy of Sciences



Personal Data (CV)

Surname	Kachiashvili	First Name	Kartlos
Address (work, home)	Work: 77, st. Kostava, Georgian Technical University Home: 12a, av. D. Guramishvili, Tbilisi	Date and place of birth	23 of December, 1950, City Gurjaani
Citizenship	Georgia	Telephone number(s)	
E-mail	k.kachiashvili@gtu.edu.ge		kkachiashvili@gmail.com

3. Education

Education	Institution	Learning Time
Secondary	Secondary school # 1 of Gurjaani	1957 - 1967
Higher	Georgian Polytechnic Institute. Specialty "Electronic computing Machinery".	1967-1972
Postgraduate study, doctoral candidacy	Post-graduate course at the Moscow Power Institute (Technical University) – МЭИ, chair of applied mathematics, Moscow, Russia	1974-1977
Defense of doctoral dissertation	D. Mendeleev University of Chemical Technology of Russia (Moscow)	1990

4. Knowledge of Languages

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

5. Scientific or Academic Degree and Rank

	Title of the thesis	Date of conferment	Degree
Ph.D. thesis	Detection and Tracking of moving object on the basis of radio	1978	Candidate of Sciences

	location measurement information		(Cand. of Sc.)
Doctoral thesis	Mathematical models, methods and algorithms of the system automation of water media contamination level control	1990	Doctor of Sciences (Dr. of Sc.)
Academician Doctor			
Professor	Informatics	2000	Professor
Corresponding Member of the Academy			
Member of the Academy	Informatics	2022	Academician

6. Work Experience

Date	Institution	Position
Since 09.2011 up today	Georgian Technical University, Faculty of Informatics and Control Systems. Senior Scientific Worker of the I. Vekua Institute of Applied Mathematics of the Tbilisi State University (Tbilisi, Georgia) and Principal Scientific Worker of the Muskhelishvili Institute of Computational Mathematics of Georgian Technical University (Combined Jobs).	Professor
09. 2007-09. 2012	Abdus Salam School of Mathematical Sciences of GC University, Lahore (Pakistan). Principal Scientific Worker of the I. Vekua Institute of Applied Mathematics of the Tbilisi State University (on a voluntary basis) (Tbilisi, Georgia).	Professor
08. 2001-09. 2007	The I. Vekua Institute of Applied Mathematics of the Tbilisi State University (Tbilisi, Georgia). Full professor of Georgian Technical University, Faculty of Informatics and Control Systems (Combined Job).	Principal Scientific Worker
1992-2001	National Center of Environmental Monitoring (Tbilisi, Georgia). Full professor of Georgian Technical University, Faculty of Informatics and Control Systems (Combined Job). Principal Scientific Worker of the I. Vekua Institute of Applied Mathematics of the Tbilisi State University (Tbilisi, Georgia) (combined job).	Head of Center
1981-1992	Automated Information-Measurement systems department at Tbilisi Scientific Production Association "Analytical Instruments". Professor of Georgian Technical University, Faculty of Informatics and Control Systems (combined job).	Chief of department
1977-1981	Scientific Production Association "Elva" (Tbilisi, Georgia). Associated Professor of Georgian Technical University, Faculty of Informatics and Control Systems (combined job).	Laboratory chief
1974-1977	The Moscow Power Institute (Technical University) – МЭИ, chair of applied mathematics, Moscow, Russia; Junior scientific worker of the chair of applied mathematics (Moscow, Russia).	Post-graduate student
1972-1974	Scientific Research Institute of Industry automation (City Gori, Georgia).	Engineer

6.1 Teaching Activity

Date	Institution	Position
Since 1980 up today	Georgian Technical University	Docent, Professor
1996-2006	Tbilisi State University	Professor
2007	Tbilisi State University of Economic Relationships (Georgia)	Professor
2007-2012, 2015 (Spring)	Abdus Salam School of Mathematical Sciences of GC University Lahore (Pakistan)	Professor
2011 (Autumn)	International Black Sea University, Georgia	Professor
2013-2016	European Research Center of the Tbilisi State University	Professor

6.2 Work Abroad

Form of activity	Date	Place and Institution
Delivering a course of lectures at foreign higher education institutions	2007-2012, 2015 (Spring)	Abdus Salam School of Mathematical Sciences of GC University Lahore (Pakistan)
Long-term academic mission to research institutions		
Other	1975-1976	The Moscow Power Institute (Technical University) – МЭИ, Moscow, Russia. Reading Lectures.
	2000, March	University of Athens, Greece. Reporting at scientific

		seminars.
	2000, May	Institute Superior Tecnico (Technical University of Lisbon), Portugal. Reporting at scientific seminars.
	2002, March	University of Rome “La Sapienza”, Department of Mathematic, Italy. Reporting at scientific seminars.
	2004, August	Texas A&M University, Department of Mathematic, Collage Station, USA. Reporting at scientific seminars.
	2006, June	Department of Civil and Environmental Engineering, Imperial College, London, UK. Reporting at scientific seminars.
	2007, September - 2012, September	Abdus Salam School of Mathematical Sciences of GC University Lahore, Pakistan. Reading lectures, supervising doctoral students.
	2009, July	IFREMER (Ocean Research Institute), Brest, France. Reporting at scientific seminars.
	Autumn, 2008 and Winter, 2009	Tallinn University of Technology. Reporting at scientific seminars.
	2015, 23 February - 17 May	Abdus Salam School of Mathematical Sciences of GC University Lahore, Pakistan. Reading lectures, consulting doctoral students and lecturers.
	2018, 4-10 March	Keele University (UK), the School of Computing and Mathematics. To participate in the ERASMUS + ICM Teaching Mobility. Reporting at scientific seminars.
	2022, 10 April - 01 May	The University of San Diego (USA). To share their ABET accreditation experience.

7. Sphere of Scientific Interests

Mathematical Statistics
Data Analysis (Environmental, Agricultural, Medical)
Mathematical Modeling and Simulation
New Computer Technologies Development
System Analysis (Environmental Water Pollution)
Computing Mathematics

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

233 scientific works are published. Among them 6 monographs (4 - in the USA, 1 - in Ukraine), 4 text-books (1 – in Indonesia).

Total number of articles – 125. Most of them are published in international scientific journals having IF and high ratings.

Total number of publications of high rating international conferences – 96.

Data source	Citation index	h-index
Google Scholar	576	13
Scopus	136	6
Web of Science	64	4

8.1 Monographs

Years	
1989	Kachiashvili K.J. (1989) <i>Bayesian algorithms of many hypothesis testing</i> . Ganatleba, Tbilisi, 144 p. (In Russian)
1991	Primak A.V., Kafarov V.V. and Kachiashvili K.J. (1991) <i>System Analysis of Control and Management of Air and Water Quality</i> . Naukova Dumka, Kiev, 360 p. (Science and technical progress) (In Russian)
2012	Kachiashvili K.J. and Melikdzhanian D.I. (2012) <i>Advanced Modeling and Computer Technologies for Fluvial Water</i>

	<i>Quality Research and Control</i> . Nova Science Publishers, Inc., New York, 348 p. (In English) http://www.novapublishers.org/catalog/advanced_search_result.php?keywords=Kachiashvili&x=15&y=11
2015	Kachiashvili K.J., Melikdzhanian D.I. and Prangishvili A.I. (2015) <i>Computing Algorithms for Solutions of Problems in Applied Mathematics and Their Standard Program Realization</i> . Part 1-Deterministic Mathematics. Nova Science Publishers, Inc., New York, 372 p. (In English) http://www.novapublishers.org/catalog/advanced_search_result.php?keywords=Kachiashvili&x=15&y=11
2015	Kachiashvili K.J., Melikdzhanian D.I. and Prangishvili A.I. (2015) <i>Computing Algorithms for Solutions of Problems in Applied Mathematics and Their Standard Program Realization</i> . Part 2- Stochastic Mathematics. Nova Science Publishers Inc., New York, 358 p. (In English) http://www.novapublishers.org/catalog/advanced_search_result.php?keywords=Kachiashvili&x=15&y=11
2018	Kachiashvili K.J. (2018) <i>Constrained Bayesian Methods of Hypotheses Testing: A New Philosophy of Hypotheses Testing in Parallel and Sequential Experiments</i> . Nova Science Publishers, Inc., New York, 361 p. (In English) https://novapublishers.com/shop/constrained-bayesian-methods-of-hypotheses-testing-a-new-philosophy-of-hypotheses-testing-in-parallel-and-sequential-experiments/

8.2 Principal Papers (no more than 50)

Years	
2021	Kachiashvili K.J. (2021) Constrained Bayesian Rules for Testing Statistical Hypotheses. Ed-s B. K. Sinha and S. B. Bagchi, <i>Strategic Management, Decision Theory, and Decision Science</i> , Springer Nature book (ISBN 978-981-16-1368-5), 159-176. https://doi.org/10.1007/978-981-16-1368-5_11
2021	Kachiashvili K.J. (2021) Existing Approaches and Development Perspectives for Inferences. <i>International Journal of Statistics in Medical Research</i> , 10, 63-71. Scopus
2020	Kachiashvili K.J. (2020) Information Technologies for Control and Management of Environmental Water Quality. <i>Acta Scientific Microbiology</i> , 3(11): 89-94. IF=1.282
2020	Kachiashvili K.J. and Kachiashvili J.K. (2020) Indexes for Classification of Populations According to the Intensity of Cancer Diseases. <i>Advances in Cancer Research & Clinical Imaging</i> , 2(4), 1-6. ACRCI.MS.ID.000543. DOI: 10.33552/ACRCI.2020.02.000543. CIF =4.341 https://irispublishers.com/acrci/pdf/ACRCI.MS.ID.000543.pdf
2020	Kachiashvili K.J., Kachiashvili J.K. and Prangishvili I.A. (2020) CBM for Testing Multiple Hypotheses with Directional Alternatives in Sequential Experiments. <i>Sequential Analysis</i> , 39:1, 115-131, DOI: 10.1080/07474946.2020.1727166 IF=0.927 https://doi.org/10.1080/07474946.2020.1727166
2019	Kachiashvili K.J. (2019) An Example of Application of CBM to Intersection-Union Hypotheses Testing. <i>Biomed J Sci & Tech Res</i> , 19(3), p. 14345-14346. BJSTR. MS.ID.003304. IF=1.095
2019	Kachiashvili K.J. (2019) Modern State of Statistical Hypotheses Testing and Perspectives of its Development. <i>Biostat Biometrics Open Acc J</i> ; 9(2): 555759. 1-4, DOI: 10.19080/BBOAJ.2019.09.55575902 IF https://juniperpublishers.com/bboaj/pdf/BBOAJ.MS.ID.555759.pdf
2019	Kachiashvili K.J., Prangishvili I.A. and Kachiashvili J.K. (2019) Constrained Bayesian Methods for Testing Directional Hypotheses Restricted False Discovery Rates. <i>Biostat Biometrics Open Acc J</i> 9(3): BBOAJ.MS.ID.555761. IF https://juniperpublishers.com/bboaj/articleinpress-bboaj.php
2018	Kachiashvili K.J., Bansal N.K. and Prangishvili I.A. (2018) Constrained Bayesian Method for Testing the Directional Hypotheses. <i>Journal of Mathematics and System Science</i> , 8, 96-118, doi: 10.17265/2159-5291/2018.04.002 IF
2018	Kachiashvili K.J. (2018) On One Aspect of Constrained Bayesian Method for Testing Directional Hypotheses. <i>Biomed J Sci & Tech Res</i> , 2(5). BJSTR.MS.ID.000821. DOI: 10.26717/BJSTR.2018.02.000821 IF
2018	Kachiashvili K.J. and Melikdzhanian D.I. (2018) Estimators of the Parameters of Beta Distribution, <i>Sankhya B: The Indian Journal of Statistics</i> , 81(2), 350-373, DOI: 10.1007/s13571-018-0157-2 IF
2018	Kachiashvili K.J. and Prangishvili A.I. (2018) Verification in biometric systems: problems and modern methods of their solution, <i>Journal of Applied Statistics</i> , 45(1), 43-62, DOI: 10.1080/02664763.2016.1267122 IF
2018	Kachiashvili K.J. (2018) Systems Analysis of Environmental Water Quality Control and Management and some Appropriate Modern Software, <i>Ecology, Pollution and Environmental science: Open Access (EEO)</i> , 1(1): 50-57, http://hendun.org/journals/EEO/PDF/EEO-18-1-112.pdf
2017	Kachiashvili K.J. (2017) EDITORIAL: Some Ways of Resolution of Current Environmental Problems. <i>MOJ Ecology & Environmental Science</i> 2(7): 00049. DOI: 10.15406/mojes.2017.02.00049.
2017	Kachiashvili K.J. (2017) The Impact of Applied Agricultural Technologies on the Productivity of Agricultural Lands. <i>International Journal of Research Studies in Agricultural Sciences (IJRSAS)</i> , Volume 3 Issue 4, pp. 9-21. ISSN 2454-

	6224, http://dx.doi.org/10.20431/2454-6224.0304002 https://www.arcjournals.org/ijrsas/volume-3-issue-4/ , https://www.arcjournals.org/pdfs/ijrsas/v3-i4/2.pdf
2016	Kachiashvili K.J. and Melikdzhanian D.I. (2016) Software for Pollutants Transport in Rivers and for Identification of Excessive Pollution Sources. <i>MOJ Ecology & Environmental Science</i> , Volume 1 Issue 1, pp. 1-8. http://medcraveonline.com/MOJES/current-issue
2016	Kachiashvili K.J. (2016) Constrained Bayesian Method of Composite Hypotheses Testing: Singularities and Capabilities. <i>International Journal of Statistics in Medical Research</i> , Vol. 5, No. 3, pp. 135-167. Scopus
2016	Kachiashvili K.J. (2016) EDITORIAL: Inference in Clinical Experiments. <i>International Journal of Statistics in Medical Research</i> , Vol. 5, No. 3, pp. 133-134. Scopus Available at: http://www.lifescienceglobal.com/journals/international-journal-of-statistics-in-medical-research/volume-5-number-3
2016	Kachiashvili K.J. and Topchishvili A.L. (2016) Estimators of the Parameters of Irregular Right-Angled Triangular Distribution. <i>Model Assisted Statistics and Applications</i> , 11, 179-184. DOI 10.3233/MAS-150362 IF
2015	Kachiashvili K.J. and Melikdzhanian D.I. (2015) Software for statistical hypotheses testing. <i>International Journal of Modern Sciences and Engineering Technology (IJMSET)</i> , Volume 2, Issue 4, 2015, pp.33-52, ISSN 2349-3755; Available at: https://www.ijmset.com/current-issue.html Indexed in SCOPUS and CPCI
2015	Kachiashvili, K.J. (2015) Constrained Bayesian Method for Testing Multiple Hypotheses in Sequential Experiments. <i>Sequential Analysis: Design Methods and Applications</i> , Vol. 34, Issue 2, 171-186 DOI: 10.1080/07474946.2015.1030973 IF=0.927
2014	Kachiashvili K.J. (2014) Comparison of Some Methods of Testing Statistical Hypotheses. Part I. Parallel Methods. <i>International Journal of Statistics in Medical Research</i> , 3, 174-189. SCOPUS
2014	Kachiashvili K.J. (2014) Comparison of Some Methods of Testing Statistical Hypotheses. Part II. Sequential Methods. <i>International Journal of Statistics in Medical Research</i> , 3, 189-197. SCOPUS
2014	Kachiashvili K.J. (2014) The Methods of Sequential Analysis of Bayesian Type for the Multiple Testing Problem. <i>Sequential Analysis</i> , 33(1), 23-38 DOI: 10.1080/07474946.2013.843318 IF=0.927
2014	Kachiashvili K.J. (2014) Investigation of the method of sequential analysis of Bayesian type. <i>Journal of Advances in Mathematics</i> . Vol. 18, No. 1, p. 1367-1380. IF=1.688
2014	Kachiashvili K.J. (2014) Probability of errors in sequential methods of Bayesian type. <i>Reports of Enlarged Session of the Seminar of I. Vekua Institute of Applied Mathematics</i> , Vol. 28, 58-61. SCOPUS
2013	Kachiashvili, K.J. & Mueed, A. (2013) Conditional Bayesian Task of Testing Many Hypotheses, <i>Statistics: A Journal of Theoretical and Applied Statistics</i> , 47, 2, 274-293. IF
2012	Kachiashvili K.J., Hashmi M.A. and Mueed A. (2012) Quasi-optimal Bayesian procedures of many hypotheses testing. <i>Journal of Applied Statistics</i> , Vol. 40, No. 1, 103-122. IF
2012	Kachiashvili G.K., Kachiashvili K.J. and Mueed A. (2012) Specific Features of Regions of Acceptance of Hypotheses in Conditional Bayesian Problems of Statistical Hypotheses Testing. <i>Sankhya : The Indian Journal of Statistics</i> , Volume 74, Issue 1, pp 112-125. IF
2012	Kachiashvili K.J., Hashmi M. A. and Mueed A. (2012) Sensitivity Analysis of Classical and Conditional Bayesian Problems of Many Hypotheses Testing. <i>Communications in Statistics—Theory and Methods</i> , Volume 41, Issue 4, 591-605. IF
2012	Kachiashvili K.J. and Hashmi M.A. (2012) Computation of the Multivariate Normal Integral over a Complex Subspace, <i>Applied Mathematics</i> , Vol. 3 No. 5, 489-498. IF
2012	Kachiashvili K.J., Hashmi M. A. and Mueed A. (2012) The Statistical Risk Analysis as the Basis of the Sustainable Development. <i>Int. J. of Innovation and Technol. Management</i> (World Scientific Publishing Company), Vol. 9, No. 3, 1250024 (2012) [10 pages] DOI: 10.1142/S0219877012500241 Scopus
2012	Kachiashvili K.J. and Melikdzhanian D. I. (2012) Program Package for Decision Making/ V. Khachidze et al. (Eds.): iCETS 2012, CCIS 332 (China), Springer-Verlag Berlin Heidelberg, pp. 530-540.
2011	Kachiashvili K.J. (2011) Investigation and Computation of Unconditional and Conditional Bayesian Problems of Hypothesis Testing. <i>ARNP Journal of Systems and Software</i> , Vol.1 No.2, May 2011, 47-59.
2011	Kachiashvili K.J. and Melikdzhanian D.I. (2011) Modern Software for the Environmental Modeling and Statistical Data Analysis. <i>Procedia Computer Science</i> , WCIT-2010, 3, 439-443. https://www.sciencedirect.com/journal/procedia-computer-science/vol/3/suppl/C
2010	Kachiashvili K.J. and Hashmi M.A. (2010) About Using Sequential Analysis Approach for Testing Many Hypotheses. <i>Bulletin of the Georgian Academy of Sciences</i> , vol. 4, no. 2, 20-25. SCOPUS
2009	Kachiashvili K.J. and Melikdzhanian D.I. (2009) Software for Determination of Biological Age. <i>International Journal Current Bioinformatics</i> , Vol. 4, No. 1, 41-47. IF=3.543

2009	Kachiashvili K.J. and Melikdzhanian D.I. (2009) Software Realization Problems of Mathematical Models of Pollutants Transport in Rivers. <i>International Journal Advances in Engineering Software</i> , 40, 1063-1073. IF=4.141
2009	Kachiashvili K.J., Hashmi M. A. and Mueed A. (2009) Bayesian Methods of Statistical Hypothesis Testing for Solving Different Problems of Human Activity. <i>Applied Mathematics and Informatics (AMIM)</i> , Vol. 14, No. 2, pp. 3-17. SCOPUS
2008	Kachiashvili K.J., Hashmi M. A. and Mueed A. (2008) The statistical risk analysis as the basis of the sustainable development. <i>Proceedings of the 4th IEEE International Conference on Management of Innovation & Technology (ICMIT2008)</i> , Bangkok, Thailand, 1210-1215.
2007	Kachiashvili K.J., Gordeziani D.G., Lazarov R.G. and Melikdzhanian D.I. (2007) Modeling and simulation of pollutants transport in rivers. <i>International Journal of Applied Mathematical Modelling (AMM)</i> , 31, 1371-1396. SCOPUS
2006	Kachiashvili K.J. and Melikdzhanian D.I. (2006) Identification of River Water Excessive Pollution Sources. <i>International Journal of Information Technology & Decision Making</i> , World Scientific Publishing Company, Vol.5, Issue 2, 397-417. IF=2.22
2006	Kachiashvili K.J. and Melikdzhanian D.I. (2006) Parameter optimization algorithms of difference calculation schemes for improving the solution accuracy of diffusion equations describing the pollutants transport in rivers. <i>International Journal Applied Mathematics and Computation</i> , 183, 787-803. IF=4.091
2006	Kachiashvili K.J., Gordeziani D.G., Melikdzhanian D. I. and Nakani D.V. (2006) River pollution components mean annual values estimation by computer modeling. <i>Applied Mathematics and Informatics (AMIM)</i> , Vol. 11, No. 1, 20-30. SCOPUS http://www.viam.hepi.edu.ge/Ami/Issues.htm
2006	Dassenakis M., Botsou F., Paraskevopoulou V., Chikviladze C. and Kachiashvili, K.J. (2006) Transport of pollutants in two estuarine systems on the coast of Georgia. <i>Chemistry and Ecology</i> , 22(5), pp. 379-393. IF=2.244 Publisher: Taylor and Francis Ltd. http://www.ingentaconnect.com/content/tandf/gche/2006/00000022/00000005/art00003#expand/collapse
2005	Kachiashvili K.J. and Melikdzhanian D.I. (2005) Restoration of some nonlinear functional dependences with the help of the generalized technique of identification. <i>Applied Mathematics and Informatics (AMIM)</i> , Vol. 10, No. 1, 53-89. SCOPUS http://www.viam.hepi.edu.ge/Ami/2005_2/kachiashvili1.pdf
2005	Kachiashvili K.J. and Melikdzhanian D.I. (2005) The methods of the definite class non-linear functions interpolation with practical examples. <i>Applied Mathematics and Informatics (AMIM)</i> , Vol. 10, No. 2, 37-52. SCOPUS
2004	Kachiashvili K.J. and Nakani D.V. (2004) The research of dependences of nitrates contents in agricultural fields soils and maize corn and sizes of harvests from used fertilizers. <i>Reports of Enlarged Session of the Seminar of I. Vekua Institute of Applied Mathematics</i> , Vol. 19, No. 1, 43-48. SCOPUS
2004	Kachiashvili K.J. and Nakani D.V. (2004) Research of influence of traditional and modern agricultural methods and technology on a level of pollution of the rivers both agricultural areas. <i>Proceedings, 2004 IEEE International Engineering Management Conference, Innovation and Entrepreneurship for Sustainable Development</i> , Vol. 3 of 3, Singapore, 1314-1318.
2003	Kachiashvili K.J. (2003) Generalization of Bayesian Rule of Many Simple Hypotheses Testing. <i>International Journal of Information Technology & Decision Making</i> , World Scientific Publishing Company, Vol. 2, No. 1., 41-70. IF=2.22
2001	Kachiashvili K.J. and Melikdzhanian D.I. (2001) Construction of confidence intervals for mathematical expectation of random variables of a certain type. <i>Industrial laboratory</i> , No. 3, Vol. 67, 59-63. IF

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

Years	
2004	Kachiashvili K.J. (2004) <i>Models of computer-aided management. Statistical models</i> . Georgian Technical University, Tbilisi, 137 p. (text-book) (In Georgian and Russian)
2013	Kachiashvili K.J. and Nurani B. (2013) <i>Statistical Models and Simulation by SPSS</i> . Publisher "Alfabeta", Bandung, Indonesia, 353 p. (text-book) (In English)
2013	Kachiashvili K.J. (2013) <i>Business Process Modeling</i> , Georgian Technical University, 237 p. (electronic text-book translated from English) (In Georgian). http://gtu.ge/elbooks/ims_books.php
2021	Kachiashvili K.J. <i>Machine learning methods and algorithms (methodical instructions for seminar work)</i> . "IT Consulting Scientific Center" of GTU, Tbilisi, M. Kostava 77 (In Georgian). p. 28. https://gtu.ge/book/14_kachiashviliMetod_Doct.pdf

8.4 Electronic Publications

Years	Title	Address of Source
2013	Kachiashvili K.J. (2013) Business Process Modeling, Georgian Technical University, 237 p. (electronic text-book translated from English) (In Georgian). http://gtu.ge/elbooks/ims_books.php	Electronic text-books of Georgian Technical University

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

Years	Title	Name of Event
2021	Kachiashvili K.J. Constrained Bayesian Methods for Testing Directional Hypotheses.	Seventh International Conference on Statistics for Twenty-first Century [ICSTC-2021]”, 15-19 December, 2021, Trivandrum, India. https://sites.google.com/keralauniversity.ac.in/icstc-2021/home
2021	Kachiashvili K.J. Existing Approaches and Development Perspectives for Inferences.	The XXXV International Enlarged Sessions of the Seminar of Ilia Vekua Institute of Applied Mathematics of Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia, 21-24 April, 2021.
2021	Kachiashvili K.J. Testing hypotheses concerning equal parameters of normal distribution.	XI International Conference of the Georgian Mathematical Union, 23-28 August, Batumi, Georgia. Book of Abstracts, 115.
2021	Kachiashvili K.J. Parameters’ Estimation of Some Irregular Probability Distributions.	International Conference „Recent Trends in Statistical Theory and Applications (WSTA 2021)“, 29 June to 01 July, 2021, Trivandrum, India. https://sites.google.com/keralauniversity.ac.in/wsta-2021/home
2020	Kachiashvili K.J. Constrained Bayesian Methods for Testing Different Types of Hypotheses.	Sixth International Conference on Statistics for Twenty-first Century-2020 (ICSTC 2020), December 16-19, 2020, Trivandrum, India. https://sites.google.com/keralauniversity.ac.in/icstc-2020/home
2020	Kachiashvili K.J., Prangishvili I.A. and Kachiashvili J.K. Quasi-optimal rule of testing directional hypotheses.	International conference “Strategic Management, Decision Theory & Data Science”, Kolkata, India, 4-6 January, 2020. 45-46.
2020	Kachiashvili K.J. Modeling of Multidimensional Gaussian Markov Real Processes Having Memory with Given Accuracy.	XI Annual International Meeting of the Georgian Mechanical Union, Batumi, Georgia, 27-29 August, 2020. 96-97.
2020	Kachiashvili K.J. Identification of regression dependences at passive and active experiments.	The XXXIV International Enlarged Sessions of the Seminar of Ilia Vekua Institute of Applied Mathematics of Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia, 16-19 September, 2020. 41-42.
2019	Kachiashvili K.J., Prangishvili I.A. and Kachiashvili J.K. Application of CBM for Directional Hypotheses Testing in Sequential Experiments with Restriction of False Discovery Rates.	The 7th International Workshop in Sequential Methodologies. Department of Mathematical Sciences at Binghamton University, State University of New York (SUNY), New York, USA, June 18-21, 2019.
2019	Kachiashvili K.J., Prangishvili I.A. and Kachiashvili J.K. Investigation of Constrained Bayesian Methods for Testing Directional Hypotheses in Relation to the Concepts of False Discovery Rates.	The International Conference on Applied Probability and Statistics (CAPS 2019), April 2-7, 2019, Hanoi, Vietnam, 44-45.
2019	Kachiashvili K.J. An Example of Application of CBM to Intersection-Union Hypotheses Testing.	XXXIII Enlarged Sessions of the Seminar of Ilia Vekua Institute of Applied Mathematics (VIAM) of Ivane Javakhishvili Tbilisi State University (TSU), April 23-25, 2019, Tbilisi, Georgia.
2018	Kachiashvili K.J. Information technologies for control and management of environmental water quality.	The World Conference on Ecology, March 19-20, 2018 Berlin, Germany http://ecology.conferenceseries.com/organizing-committee.php
2018	Kachiashvili K.J. Constrained Bayesian method guarantying restrictions of directional false discovery rates on the desired level at testing directional hypotheses.	The fourth international conference on statistics for twenty-first century-2018 (ICSTC-2018), December 13-15, 2018, Trivandrum, India https://www.yepdesk.com/icstc2018
2017	Kachiashvili K.J. Generalization of Constrained Bayesian	Third International Conference Statistics for Twenty-First

	Method and its application to the Directional Hypotheses.	Century-2017 (ICSTC-2017), December 14-16, University of Kerala, Trivandrum, India.
2017	Kachiashvili K.J. Constrained Bayesian Method for making decision in parallel and sequential experiments.	The Sixth International Workshop in Sequential Methodologies (IWSM 2017), June 20-23, 2017, Rouen University, France.
2016	Kachiashvili K.J. Verification in Biometric Systems Using Statistical Inference Techniques.	The Second International Conference on “Statistics for Twenty-first Century” [ICSTC-2016], 21-23 December 2016, University of Kerala, Trivandrum, India.
2016	Kachiashvili K.J. and Melikdzhanian D.I. Software for Pollutants Transport in Rivers and for Identification of Excessive Pollution Sources.	The International Society for Ecological Modelling Global Conference 2016 (ISEM 2016), 8-12 May 2016, Towson University, MD, USA. Organized by ELSEVIER .
2015	Kachiashvili K.J. Constrained Methods of Bayes Type of Composite Hypotheses Testing.	The International Conference on Statistics for Twenty-first Century [ICSTC-2015], Abstract, 17-19 December, 2015, Trivandrum (India).
2015	Kachiashvili K.J. Parameters Estimators of a Family of Irregular Distributions.	The International Scientific Conference Dedicated to Academician I. Prangishvili’s 85 th Anniversary “Information and Computer Technologies, Modeling, Control”, Proceedings, 3-5 November, 2015, Tbilisi (Georgia).
2014	Kachiashvili K.J. Constrained Bayesian Method for Testing Hypotheses: Singularities and Ratio with Existed Approaches.	The International Statistics Conference 2014. Statistics and Society in the New Information Age: Challenges and Opportunities. 28-30 December, 2014 at Galadari Hotel, Colombo, Sri Lanka.
2013	Kachiashvili K.J. Sequential Analysis methods of Bayesian Type for Testing Hypotheses.	Fourth International Workshop in Sequential Methodologies. The University of Georgia, USA. Department of Statistics, Franklin College of Arts and Sciences, July 17-21.
2013	Kachiashvili K.J. The Results of Investigation of Statistical Hypotheses Testing Methods.	Second International Conference “Modern Problems in Applied Mathematics”, Dedicated to the 95 th Anniversary of the I. Javakhishvili Tbilisi State University & 45 th Anniversary of the I. Vekua Institute of Applied Mathematics of TSU, September 4-7.
2013	Kachiashvili K.J. Investigation of Constrained Bayesian Methods of Hypotheses Testing with Respect to Classical Methods.	Extended Abstract of IICMA, IndoMS International Conference on Mathematics and its Applications, Yogyakarta, Indonesia, Invited Speaker, November 6-8, pp. 27-30.
2013	Prangishvili A.I., Kachiashvili K.J. and Shonia O.B. Models of Sustainable Development of Production.	VII International Conference on Operations Research, (ORM2013), Moscow, 15-19 October.
2012	Kachiashvili K.J. Comparison Analysis of the Wald’s and the Bayes Type Sequential Methods for Testing Hypotheses.	World Academy of Science, Engineering and Technology, Dubai.
2012	Bagaturia G.Sh., Kachiashvili G.K. and Kachiashvili K.J. An Approach to the Determination of the Optimal Value of the Factors Influencing the Economic Development Process.	Proceedings of 7 th Silk Road International Conference, Tbilisi-Batumi, Georgia.

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

Years	Name
	Editorial Work
Since 2010	The member of the Editorial Board of the <i>Journal of the Indonesian Mathematical Society: Series A – Mathematics</i> (https://jims-a.org/index.php/jimsa/about/editorialTeam).
Since 2011	The member of the Editorial Board of the <i>Open Journal of Ecology</i> (Scientific Research Publishing, Inc. USA) (http://www.scirp.org/journal/oje). IF=0.66. Google-based Impact Factor: 0.96.
Since 2012	The member of the Editorial Board of the <i>IBSU</i> (International Black Sea University) <i>Journal of Business</i> (https://jb.ibsu.edu.ge/index.php/editorial-board)
2013-2016	The member of the Editorial Board of the <i>Swiss Journal of Statistical and Applied Mathematics</i> (https://scholarlyoa.com/2012/08/28/swiss-journals/ , http://swissjournals.org/editorial/).
Since 2016	The member of the Editorial Board of the <i>International Journal of Research Studies in Agricultural Sciences (IJRSAS)</i> (https://www.arcjournals.org/international-journal-of-research-studies-in-agricultural-sciences/editorial-board).
Since 2016	The member of the Editorial Board and honorable Editor of the <i>MOJ Ecology & Environmental science (MOJES)</i> and since 2021 he is Editor in Chief of the journal (http://medcraveonline.com/MOJES/editorial-board)

2016	Guest Editor of the <i>International Journal of Statistics in Medical Research</i> , 2016, Vol. 5, No. 3, http://www.lifescienceglobal.com/journals/international-journal-of-statistics-in-medical-research/volume-5-number-3 . Scopus
Since 2016	The member of the Editorial Board of the <i>American Journal of Statistics and Probability</i> . (http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=615)
Since 2017	The member of the Editorial Board of the <i>International Journal of Statistics in Medical Research</i> (http://www.lifescienceglobal.com/journals/_international-journal-of-statistics-in-medical-research/editorial-board) Scopus
Since 2020	Editor in Chief of the Journal https://www.lifescienceglobal.com/journals/international-journal-of-statistics-in-medical-research Scopus
Since 2017	The member of the Editorial Board of the <i>Journal of Environment and Bio Research</i> (http://inscienz.com/journals/environment/editorialboard.php)
Since 2018	Editorial Board member and Editor of the <i>Advances in Agricultural Technology & Plant Sciences(AATPS)</i> (https://academicstrive.com/AATPS/editorial-board.php)
Since 2018	Associate Editor of the Journal of <i>Sequential Analysis: Design Methods and Applications</i> . The IF=0.567 (https://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=lsqa20)
Since 2018	Editorial Committee member of the <i>Journal of Open Access Journal of Environmental & Soil Science (OAJESS)</i> https://lupinepublishers.com/environmental-soil-science-journal/editorial-committee.php .
Since 2018	Editorial Board member of the <i>Journal of Insight-Statistics</i> http://insight.piscomed.com/index.php/I-S/about/editorialTeam
Since 2019	Associate Editorial Board Member of <i>The Open Mathematics, Statistics and Probability Journal</i> https://openstatisticsandprobabilityjournal.com/editorial-board.php
Since 2019	Honorable Editor of <i>American Journal of Biomedical Science & Research</i> . ISI IF=1.042 (https://biomedgrid.com/honorable-editors.php)
Since 2019	The reviewer of <i>International Journal on Advanced Science, Engineering and Information Technology</i> . Scopus 1.9 http://insightsociety.org/ijaseit/index.php?option=com_content&view=article&id=23&Itemid=17
Since 2019	Editorial Board member of <i>International Journal Annals of Environmental Science and Toxicology</i> https://www.peertechz.com/editor/kartlos-kachiashvili
Since 2019	Editorial Board member of <i>International Journal Annals of Mathematics and Physics</i> https://www.peertechz.com/journals/annals-of-mathematics-and-physics , https://www.peertechz.com/editor/kartlos-kachiashvili
Since 2019	Editorial Board member of <i>International Journal Contemporary Mathematics</i> http://ojs.wiserpub.com/index.php/CM/about/editorialTeam
Since 2019	Editorial Board member of <i>International Journal "Journal of Mathematics, Statistics and Computing"</i> https://www.enlivenarchive.org/mathematics-statistics-and-computing/index.php?content=editorial_board
Since 2019	Associate Editorial Board Member of <i>International Journal "The Open Statistics & Probability Journal"</i> https://openstatisticsandprobabilityjournal.com/editorial-board.php
Since 2020	Review Board member of the journal "Acta Scientific Microbiology", ISI IF=1.416. https://www.actascientific.com/ASMI-RB.php#testim
Since 2020	Editorial Board Member of <i>International Journal "Research International Journal of Physics and Mathematical Sciences"</i> https://msdpublications.com/Site/editorial_board/45
Since 2020	Editorial Board Member of <i>International Journal "Frontiers in Environmental Research"</i> https://www.jresearchvalley.com/editorial-team.php
Since 2020	Review Board member of the journal „ <i>International Journal of Statistics and Probability (IJSP)</i> “; http://www.ccsenet.org/journal/index.php/ijsp/ editor
Since 2020	Review Board member of <i>Mathematical Reviews</i> (MathSciNet Reviewer Number:152346) (AMS American Mathematical Society) (MR2998746) https://ebus.ams.org/ebus/Membership/RenewyourAMSMembership.aspx
Since 2021	Editorial Board Member of <i>International Journal "Environmental Protection Research (EPR)"</i> , http://ojs.wiserpub.com/index.php/EPR/about/editorialTeam
Since 2021	Editorial Board Member of "Asian Journal of Statistical Sciences", http://arfjournals.com/index.php?route=product/totaleditorialboard&product_id=428
Since 2021	Editorial Board Member of "GESJ: Computer Sciences and Telecommunications", https://gesj.internet-academy.org.ge/en/editboard_en.php?b_sec=comp

Holding of Congresses and Conferences	
2008	The member of technical program committees of IEEE International Conference on Industrial Engineering and Engineering Management, Singapore, 2008 (http://www.ieem2008.org/tpc.asp)
2010	The member of technical program committees of IEEE International Conference on Management of Innovation and Technology (ICMIT'2010), Singapore, 2010.
2010	The organizer of the symposia: Advanced Statistical Models in Engineering & Sciences of the international conference ICCES'10, Las-Vegas, USA.
2012	The member of program committee and editorial board and chair of a session of the 2012 International Conference on E-business Technology and Strategy (iCETS 2012), Tianjin, China, August 29-31, 2012 (http://icets.info/2012china/organization/program-committee/)
2012	The chair of a Session – II (Oral Presentation) of ICMSSC 2012: International Conference on Mathematics, Statistics and Scientific Computing, Dubai, UAE, October 8-9, 2012 (http://www.waset.org/programs/Dubai2012.pdf)
2013	The member of the International Scientific Committee of the Second International Conference on “Modern Problems in Applied Mathematics” Dedicated to the 95th Anniversary of I. Javakhishvili Tbilisi State University (TSU) & 45th Anniversary of I. Vekua Institute of Applied Mathematics (VIAM), 4-7 September, 2013.
2015	The special invited speaker, session organizer and session chair of the International Conference on Statistics for Twenty-first Century [ICSTC-2015], 17-19 December, 2015, Trivandrum, India (http://www.icstckerala.in/speakers.php)
2016	The member of the advisory committee, the invited speaker, session organizer and session chair of the Second International Conference on “Statistics for Twenty-first Century” [ICSTC-2016], 21-23 December, 2016, Trivandrum (India) (http://www.icstckerala.com/index.php)
2017	The member of the organizing committee of “5th Annual Congress on Climate Change”, August, 2017, Birmingham, UK (http://climatechange.alliedacademies.com/organizing-committee)
2017	The member of the International Scientific Committee of the 4th International Conference of Environmental Planning & Management (ICEPM), organized by the University of Tehran, Tehran, Islamic republic of IRAN, 23-24 May 2017.
2017	The special invited speaker and session chair of the Sixth International Workshop in Sequential Methodologies (IWSM 2017), June, 2017, Rouen, France, (http://lmrs.univ-rouen.fr/RMR17/index.html)
2017	The member of advisory committee, invited speaker and session chair of the third International Conference on “Statistics for Twenty-first Century-2017” [ICSTC-2017], December 2017, Trivandrum, India.
2017	The member of the Advisory Committee of the second National Workshop Statistical Methods for Data Analysis Using R (SMDA-2017), October 23-28, 2017, University of Kerala, Trivandrum, India.
2018	The member of the organizing committee of the World Conference on Ecology, March 19-20, 2018 Berlin, Germany http://ecology.conferenceseries.com/organizingcommittee.php
2018	Organizing Committee Member of 2nd Annual Congress on Soil and Water Sciences, October 22-23, 2018, Berlin, Germany https://soilscience.conferenceseries.com/
2018	Organizing Committee Member at the “Global Conference on Global Warming- 2018” on December 06-07, 2018, Valencia, Spain http://scientificfederation.com/global-warming-2018/organizing-committee.php
2018	International Program Committee member of International Conference “Information Society and Technologies for Intensification of Education”, dedicated to the 15 th anniversary of the UNESCO Chair Information Society of Georgian Technical University, on 28-29 September, 2018, Tbilisi, Georgia http://conf-unesco.gtu.ge/eng.php
2018	Organizing Committee Member at the International Conference on Earth Science and Climate Change, Zurich, Switzerland, September 06-07, 2018, https://www.meetingsint.com/conferences/earthscience
2019	Organizing Committee Member at 3rd World Summit on Climate Change and Global Warming, Prague, Czech Republic, February 27-28, 2019, https://climate.euroscicon.com/organizing-committee
2018	The Advisory Committee member and Key-Note Speaker of “Fourth International Conference on Statistics for Twenty-first Century - 2018 [ICSTC-2018]”, 13-15 December 2018, at Trivandrum, India, http://www.icstckerala.com/icstckerala.com/
2019	Organizing Committee Member of 6 th Edition of EuroSciCon Conference on Environmental Science and Engineering, Osaka, Japan, from October 07-09, 2019 https://environmental.euroscicon.com/organizing-committee
2019	Advisory Committee member, Session Organizer and Key-Note Speaker of “Fifth International Conference on Statistics for Twenty-first Century - 2019 [ICSTC-2019]”, 18-20 December, 2019, at Trivandrum, India.

2020	Organizing Committee Member and a plenary speaker of “ International Conference on Applied Science & Engineering ”, April 20-21, 2020, Dubai, UAE. https://phronesisonline.com/applied-science-engineering-conference/index.php#committee
2020	Organizing Committee Member at World Conference on Climate Change , October 19-21, 2020, Rome, Italy, https://coalesceresearchgroup.com/conferences/climatechange/committeemembers
2020	Organizing Committee Member at 2nd International Conference and Expo on Clinical Microbiology and Infectious Diseases , June 18-19, 2020, Montreal, Canada, https://www.olcinternational.com/clinical-microbiology-2020/committee.php
2020	The plenary-VI session chair of the international conference “Strategic Management, Decision Theory & Data Science”, Kolkata, 4-6 January, 2020.
2020	Organizing committee member & Keynote Speaker for Annual Meeting on Climate and Environmental Sciences , Bangkok, Thailand, October 05-06, 2020. http://www.globalepisteme.org/Conference/climate-environmentalscience/members
2020	Organizing Committee Member of the 2nd International Conference on Environmental Sustainability and Climate Change: Current research on emerging issues on climate change and environmental sustainability. August 28 - 29, 2020. Webinar, ONLINE. https://environment-climate.heraldmeetings.com/organizing-committee
2020	Program Committee member of 4th International Conference on Applied Mathematics and Sciences (AMA 2020), October 24-25, 2020, Dubai, UAE. https://csen2020.org/ama/committee.html
2020	Keynote Speaker and Session organizer of Sixth International Conference on Statistics for Twenty-first Century-2020 (ICSTC 2020), December 16-19, 2020, Trivandrum, India, https://sites.google.com/keralauniversity.ac.in/icstc-2020/home
2020	Technical Committee Member of the 3 rd International virtual Conference on Environment and Ocean Engineering, November 19-21th, 2020 doi:10.1088/1755-1315/725/1/011001, https://media.proquest.com/media/hms/PFT/1/atPVJ?s=ulsL0c6gKn5mLOe9aj1Y3P4M7Ms%3D
2021	Advisory Committee Member, Keynote Speaker and session “Probabilistic Methods in Statistics” organizer of International level web based Seminar on "Recent Trends in Statistical Theory and Applications (WSTA 2021)" during 29 June to 01 July 2021 in connection with "National Statistics Day Celebrations 2021", Trivandrum, India, https://sites.google.com/keralauniversity.ac.in/wsta-2021/advisory-committee , https://sites.google.com/keralauniversity.ac.in/wsta-2021/speakers/keynote-speakers , https://sites.google.com/keralauniversity.ac.in/wsta2021/speakers/speakers
2021	Session “Probability and Statistics. Financial Mathematics” chairman of XI International Conference of the Georgian Mathematical Union, Batumi, Georgia, 23-28 August, 2021.
2022	Technical Program Committees member of 2nd International Conference on Modeling, Big Data Analytics and Simulation (MBDAS2021) which will be held on October 9-13, 2022, Atlanta, GA, USA, https://iopscience.iop.org/article/10.1088/1742-6596/2179/1/011001/pdf
2022	International Technical Committee member of 2022 Asia-Pacific Conference on Applied Mathematics and Statistics which was held virtually on February 20-22, 2022, https://www.apcams.org/committee
2023	Organizing Committee Member and Invited Speaker of the 2 nd Global Summit on Applied Science, Engineering and Technology (GSASET2023), which will be held in Rome, Italy on March 23-25, 2023, https://www.thescientistt.com/2023/applied-science-summit/organizing-committee
2022	Technical Committee Member of 5th International Conference on Environment and Ocean Engineering (ICEOE 2022), which will be held in Shanghai, China on October 21-23, 2022 in Shandong University, http://www.iceoe.org/com.html
2022	Organizing Committee Member at the International Conference on Global Warming and Climate Change (ICGWC 2022) (Organized by LUMIMINDS CONVENTIONS LLP), which will be held during August 11-12, 2022, Paris, France, https://www.lumiminds.org/globalwarming-congress/
2023	Organizing Committee Member at the 2 nd Global Summit on Environmental Science and Applications (EnScience2023) (Organized by The Scientist), which will be held during May 25-27, 2023 at Brussels, Belgium, https://www.thescientistt.com/2023/environmental-science-applications/organizing-committee

10. Inventions (Author’s Certificate, Patents)

Years	Name
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1981	Inventor's certificate N.1016693, Int. Cl. 01 k 7 /00 <i>Temperature measuring device</i> /V.A. Agamirov, G. K. Arutyunov, K. J. Kachiashvili (USSR), N17, 5 p.: 2 fig.
1999	The Copyright protection is conferred to the computer program "Application Package for Experimental Data Processing"

11. International and Local Scientific grants

Years	Name
1997-1998	"Methods, algorithms and programs of optimization of metrological maintenance of quality control of substances", Part I, (Project manager was Prof. Kachiashvili Kartlos) Scientific-Research grant of Department of Science and Technology of Georgia.
1998-1999	"Methods, algorithms and programs of optimization of metrological maintenance of quality control of substances", Part II, (Project manager was Prof. Kachiashvili Kartlos) Scientific-Research grant of Department of Science and Technology of Georgia.
01.01 – 31.06.2005	The grant of the Ministry of education and Science of Georgia (Georgian National Science Foundation) "Economic-ecological models elaboration for farmer's agriculture sustainable development and their realization as program packages (on the example of several rayons of Samegrelo region)", Project manager Prof. K. Kachiashvili, I. Vekua Institute of Applied Mathematics of the Tbilisi State University.
01.01 – 31.12. 2005	The grant of the Ministry of education and Science of Georgia (Georgian National Science Foundation) "Development and research of prognosis and optimal decision-making application program package for control and management of environmental objects", Project manager Prof. K. Kachiashvili, Scientific-research Center of ecological safety of Georgian Technical University.
1998-2000	Manager of the project of ISTC (International Science and Technology Center) G-047 "Identification of River Water Pollution Sources by Means of Automated Control Systems" (http://www.istc.ru)
2000-2002	Leader of Georgian group of the project of INTAS – GEORGIA – 1738 "Transport of pollutants at the sea by small rivers"; http://ica.cordis.lu/search/index.cfm?fuseaction=proj.simpledocument&RJ_RCIN=594...
1998-2000	Leader of Georgian group of Greece – Georgia Joint Research and Technology Project "Transport of Pollutants From Land Base Sources to the Sea". http://www.hri.org/gsr/html/gr/erga/die/elinogeorgiani.html
2001	Travel grant of ISTC (International Scientific and Technology Center) for participation in the work of scientific conference in USA "EWRI WORLD WATER & ENVIRONMENTAL CONGRESS", MAY 20-24, 2001, ROSEN PLAZA HOTEL, ORLANDO. (http://www.istc.ru)
2002	Travel grant of STCU (Scientific and Technology Center of Ukraine) for visit of Rome (Italy) University "La Sapienza", March, 2002. (http://www.stcu.kiev.ua)
2002	Coordinator of USTC (Ukrainian Science and Technology Center) Project for carrying out of the international seminar "Research and Management of Environmental Charges in Growing Economics" organized by UNESCO Venice Office, Georgian Academy of Sciences, Tbilisi State University and USTC (Ukrainian Science and Technology Center), Tbilisi, 16-21 September, 2002. (http://www.stcu.kiev.ua)
2002-2003	Consultant of the World Bank ARET Project in the frame of the component of Environmental Protection, August 15, 2002 – 31 March, 2003. (http://ARETP.ge)
2003 – 2004	Georgia-USA (CRDF/GRDF) joint project "Development and research of deterministic and stochastic mathematical models for control and management of pollution level of fluvial waters and their realization by application package" (INVESTIGATOR: Prof. Kachiashvili Kartlos), December 2002 – May 2004. (http://www.grdf.ge)
2003	Travel grant of STCU (Scientific and Technology Center of Ukraine) for participation in the work of international congress in Geneve (Switzerland) "Sustainable management in action", September, 2003. (http://www.stcu.kiev.ua)
2003-2005	Consultant of the World Bank ARET Project in the frame of the component of Environmental Protection, August 5, 2003 – 31 January, 2005. (http://ARETP.ge)
2004 – 2007	Grant of International Scientific and Technology Center (ISTC) # G-895 "Prolongation of Expected Life Span and Improvement of Life Quality Basing on the Experience of Caucasian Longevity and Georgian Traditional Medicine". Researcher, 2004 – 2007 (http://www.istc.ru).
2005	Travel grant of STCU (Scientific and Technology Center of Ukraine) for participation in the work of the 2nd

	international congress in Geneve (Switzerland) “Sustainable management in action”, September, 2005. (http://www.stcu.kiev.ua)
2005-2006	Consultant of the World Bank ARET Project in the frame of the component of Environmental Protection, July 28, 2005 – 30 October, 2006. (http://ARETP.ge)
2006	Travel grant of STCU (Scientific and Technology Center of Ukraine) for extending of scientific contacts with Imperial College, London, June, 2006. (http://www.stcu.kiev.ua)
2008-2009	“Mathematical Models and Algorithms for Dynamic Control of Maximum Allowable Discharge (MAD) in Rivers with Ecological and Economic Constraints”. Grant of Higher Education Commission of the Ministry of Education and Science of Pakistan, 2008-2009.
2008-2009	“Ship Hull Deformation Monitoring (the Hybrid Deflection Monitoring System), ECO-NET” project number 18860NM, 2008-2009. Partner countries: France, Estonia and Georgia. Executor organizations: French Sea Research Institute (IFREMER), Tallinn University of Technology, the University of Tartu, Georgian Technical University. The funding is applied by IFREMER (France) (https://www.ifremer.fr/en/The-Institute).
2010	Travel grant of Shota Rustaveli National Scientific Foundation for participation in the 20th in the series of ICCES (International Conference on Computational & Experimental Engineering and Sciences) conferences, ICCES2010, 28 March-1 April 2010, Las Vegas, USA (http://rustaveli.org.ge/).
2012	Travel grant of Shota Rustaveli National Scientific Foundation for participation in the work of International Conference on Mathematics, Statistics and Scientific Computing (ICMSSC 2012), October 8-9, 2012, Dubai, UAE (http://rustaveli.org.ge/)
2013	Travel grant (2013_tr_049) of Shota Rustaveli National Scientific Foundation for participation in the work of the Fourth International Workshop in Sequential Methodologies (IWSM 2013), the University of Georgia in Athens, Georgia, USA, from July 18 to July 21, 2013(http://rustaveli.org.ge/)
2014	Travel grant (# 03/102 of 09.10.2014) of Shota Rustaveli National Scientific Foundation for participation in the work of international conference titled “Statistics and Society in the New Information Age: Challenges and Opportunities” that was organized by Institute of Applied Statistics in Sri Lanka jointly with the Department of Bioinformatics and Biostatistics of the University of Louisville, USA, December 28-30, 2014 at the Galadari Hotel, Colombo, Sri Lanka (http://rustaveli.org.ge/)
2014-2016	Grant № AR/183/4-100/13 of Shota Rustaveli National Scientific Foundation “Development of Effective Biometrical Technologies on the Example of Large-scale Electoral System”, Scientific worker, Georgian Technical University, 04.2014-04.2016 (http://rustaveli.org.ge/)
2016	Travel grant (tg3_2016_1_109 of August, 2016) of Shota Rustaveli National Scientific Foundation for participation in the work of international conference titled “Statistics for Twenty-first Century - 2016 [ICSTC-2016]” that was organized by Department of Statistics, University of Kerala, December 21-23, 2016 at the TECHNOPARK CAMPUS, Trivandrum, India (http://rustaveli.org.ge/)
2017	Travel grant (MG_23) of Shota Rustaveli National Scientific Foundation for participation in the work of international conference titled “Third International Conference on Statistics for Twenty-first Century - 2017 [ICSTC-2017]” that was organized by Department of Statistics, University of Kerala, December 14-16, 2017, Trivandrum, India (http://rustaveli.org.ge/)
2018	Travel grant (MG_TG-18-236) of Shota Rustaveli National Scientific Foundation for participation in the work of international conference titled “Fourth International Conference on Statistics for Twenty-first Century - 2018 [ICSTC-2018]” that was organized by Department of Statistics, University of Kerala, December 13-15, 2018, Trivandrum, India.
2019	Travel grant (MG_TG-19-126) of Shota Rustaveli National Scientific Foundation for participation in the work of the 7th International Workshop in Sequential Methodologies (IWSM) that was organized by the Department of Mathematical Sciences at Binghamton University, State University of New York (SUNY), June 18-21, 2019, New York, USA.

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

Years	Name
1985–2015	Information processing and optimal decision making software packages (SP) (for example: 1) Application package for experimental data processing (SDpro) (Version 3.1); 2) Automatic detection of river water emergency pollution

	sources (Version 2.0); 3) Application package for realization of mathematical models of pollutants transfer in rivers (Version 2.0); 4) Applied package for statistical hypotheses testing (Version 3.0); 5) Automated water quality control system (Version 2.1); 6) Package of program modules for applied tasks of computing mathematics (Version 5.0); 7) Software for Determination of Biological Age (Version 1.0) and others.
1992-2001	Information technologies and tools for managing the condition of environmental objects (for example: 1) Computerized workplace of ecologist; 2) Hydro-chemical data processing SP; 3) Atmosphere's Pollution Information Processing SP; 4) Tool for collecting and transferring information; 5) Methods of metrological support of measuring instruments and their software realization, which were actually used in the National Center for Environmental Monitoring of Georgia
1989-1990	Automated system for control and management of wastewater pollution levels of Riga
1986-1989	Automated pollution control and management system for the river Tomi (Kemerovo)
1985-1988	Automated wastewater control and management system at the Odessa Nitrogen Plant.
1984-1987	Automated pollution control and management system for the river Moscow (Moscow)
1981-1986	Automated pollution control and management system for the river Kura (Tbilisi)
1981-1992	Numerous instruments and devices for measuring the concentrations of various substances in liquids (for example, photometers, ionomers, atomic-absorption instruments, multi-channel analyzers AMA-203, AMA-206 and others, which were serially produced in the tool factories of different Soviet republics)
1974-1977	Algorithms and programs for detecting and tracking moving objects based on radar information in air defense systems and equipment

13. Other Activities

	Name	Years
Supervision of Doctoral Theses	Bayesian Approach of Testing Many Hypotheses Concerning Parameters of Multivariate Normal Distribution	2007-2012
Supervision of Doctoral Theses	Generalization of Bayesian Approach of Testing Many Hypotheses as Constrained Optimization Problem	2007-2012
Supervision of Doctoral Theses	Directional Hypotheses Testing Using Constrained Bayesian Method	2018-2021
Supervision of Masters work	Classification of Georgian settlements according to the intensity of the spread of cancer	2019-2020

14. Awards and Prizes, Honorary Title

Date	Name of Awards, Prizes, Honorary Title
2013	THE ORDER OF HONOUR # 772. Certificate # 07214. By Decree # 21/06/01 of June 21, 2013 of the President of Georgia.
2021	The Lifetime Achievement Award in "International Scientist Awards on Engineering, Science and Medicine", 16&17-Apr-2021, Ooty, India, https://photos.app.goo.gl/2C5goxE7GkamwdnZ7

15. Family Status

Married, two children and three grandchildren
