

**Roman Samkharadze**  
List of scientific works (Last 10 year)

#	Name of scientific works	Printed or Handwriting	Publishing house, magazine (number, year) or a copy of the copyright certificate	Printed tab or number of pages	Co-author's last name
1	2	3	4	5	6
1	Transact-SQL Language 1. I Part. (Methodical guidelines)	Printed	Tbilisi, Publishing House "Technical University", 2014. ISBN 978-9941-20-446-3	p. 50	N. Jojua, L. Gachechiladze, M. Kurdadze
2	Transact-SQL Language 2. II Part. (Methodical guidelines)	Printed	Tbilisi, Publishing House "Technical University", 2014. ISBN 978-9941-20-447-0	p. 62	N. Jojua, L. Gachechiladze
3	Project database. (Methodical guidelines)	Printed	Tbilisi, Publishing House "Technical University", 2014. ISBN 978-9941-20-139-4	p. 24	N. Jojua, L. Gachechiladze
4	Project project in object-oriented programming (Methodical guidelines)	Printed	Tbilisi, Publishing House "Technical University", 2014. ISBN 978-9941-20-139-4	p. 42	N. Jojua, L. Gachechiladze
5	An infrared spectral method of moisture determination model	Printed	Tbilisi, "Georgian Technical University", Papers. Automated Control Systems. N2(18). 2014. ISSN 1512-3979	p. 138-141	Nozadze Ts., Rosnadze T., Gachechiladze L.
6	Visual C#.NET (Book)	Printed	Tbilisi, Publishing House "Technical University", 2014. ISBN 978-9941-20-443-2	p. 508	
7	The structure of the expert system for infrared tendencies	Printed	Gori State Teaching University, Georgia, Seventh International Conference "New Trends in Education: Research and Development". 2014	p. 135-137	Ts. Nozadze, T. Rosnadze
8	Modern Technologies on Physics Lessons	Printed	GTU, International Scientific Conference "Verbal Communication Technologies - 4". Tbilisi, 2014, 2-4 October	p. 187-189	M. Kevkhishvili, E. Kamkamidze
9	Distributed Complex Network in the Field of Management of Modes of Power System	Printed	Abstracts. 9th Silk Road International Conference on Business, Economics, International Relations and Education. May 23-25. 2014. Tbilisi, Georgia.	5 p.	D. Chikovani, L. Gachechiladze, Z. Jojua
10	Web page classification, properties and algorithms	Printed	Science and Public Development Fund "Intellect". III International Scientific Conference. Works of Reports. "Computer, Education Sciences, Teacher Education". Batumi. 17-19.10.2015.	177-179 p.	L. Gavashelashvili, G. Chachanidze
11	Some web services used in educational field	Printed	Tbilisi, "Georgian Technical University", Papers. „Business engineering”, №1, 2015	p. 192-194	M. Kevkhishvili, E. Kamkamidze
12	Procedural model of experimental researches in infrared moisture meter	Printed	Tbilisi, "Georgian Technical University", Papers. „Business engineering”, №1, 2015	p. 162-164	Nozadze Ts., Rosnadze T., Gachechiladze L.

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13	Tests collection in the course "Transact-SQL Language" (A guidebook)	Printed	Tbilisi, "IT-Consulting Scientific Center" of GTU, 2016. ISBN 978-9941-0-8559-8	292 p.	Gachechiladze L.
14	Development of a research prototype of an expert system for infrared moisture meter (Monograph)	Printed	Selected issues of modern science. Monograph. Part XX. / Scientific Editor. Prof. S.P. Akutina. - M.: Publishing house "Pero", 2016. – 259 p. ISBN 978-5-906851-56-7.	p. 134-165	Nozadze Ts., Kurdadze M., Gachechiladze L., Nozadze S.
15	Information Systems Security Infrastructure Planning	Printed	Tbilisi, "Georgian Technical University", Papers. Automated Control Systems. N1(21). 2016. ISSN 1512-3979 (print). EISSN 1512-2174 (online)	p. 62-65	K. Jhamurashvili
16	Modern cryptographic methods	Printed	Tbilisi, "Georgian Technical University", Papers. Automated Control Systems. N1(21). 2016. ISSN 1512-3979 (print). EISSN 1512-2174 (online)	p. 66-70	K. Jhamurashvili
17	The role of a teacher in the development of a pupil with special educational needs	Printed	Tbilisi, "Georgian Technical University", Papers. „Business engineering”, №1-2, 2016	p. 359-361	M. Tevdoradze, I. Gigiberia, M. Kevkhishvili
18	Prepare of professional education pedagogical staff through technologies	Printed	Tbilisi, "Georgian Technical University", Papers. „Business engineering”, №1-2, 2016	p. 366-368	L. Charkviani, M. Tevdoradze
19	SQL Server (Book)	Printed	Tbilisi, Publishing house "Technical University", 2016. ISBN 978-9941-20-661-0	p. 453	L. Gachechiladze
20	Development of Interface of Technologist of Power System	Printed	11th International Silk Road Conference on Innovations in Business, Education and Sciences. May 20-21, 2016. Tbilisi, Georgia. ISBN 978-9941-0-9681-5.	p. 313-316	D. Chikovani, L. Gachechiladze, M. Kalabegishvili
21	Methods for developing programs for differentiated learning	Printed	IX International Scientific Conference "Education Management: Current Challenges and Development Perspectives" 18-19 November, 2016. Gori. Gori State Teaching University.	p. 29-31	I. Gigiberia, L. Gachechiladze
22	Using of Queue theory in computer learning (Monograph)	Printed	Tbilisi, "IT-Consulting Scientific Center" of GTU, 2017. ISBN 978-9941-0-9643-3	p. 93	L. Gachechiladze, M. Kurdadze
23	Modeling the process of reducing system fluctuations in a computer network	Printed	Georgian Technical University. Papers. №1(503). 2017. ISSN 1512-0996.	p. 63-68	L. Gachechiladze, G. Kobakhidze
24	Development of Distributed Complex Network for Representation of Knowledge Base (Impact Factor)	Printed	Chinese Business Review, Sep. 2017, Vol. 16, No. 9, 464-470 doi: 10.17265/1537-1506/2017.09.005.	p. 464-470	A. Prangishvili, M. Tervdoradze, L. Gachechiladze, N. Lolashvili
25	Distance learning for students with special educational needs	Printed	Georgian Technical University. Papers. Automared Control Systems. № 2(24). 2017. ISBN 1512-3979-27-493-0	p. 47-53	I. Gigiberia, M. Tevdoradze, L. Gachechiladze,

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26	Programming on C++ Language (Book)	Printed	"IT-Consulting Scientific Center" of GTU, 2018. ISBN 978-9941-27-493-0	p. 247	L. Gachechiladze
27	Develop of a training program for learning distribution of operating system resources	Printed	Georgian Technical University. Papers. №1(507). 2018. ISSN 1512-0996.	p. 32-41	L. Gachechiladze, I. Gigiberia
28	Develop of a training program for learning distribution of operating system resources	Printed	Georgian Technical University. Papers. №1(507). 2018. ISSN 1512-0996.	p. 42-50	L. Gachechiladze, M. Kalabegishvili
29	Work with databases using ADO.NET technology (Based on C# Language) (Book)	Printed	"IT-Consulting Scientific Center" of GTU, 2018. ISBN 978-9941-8-0628-5	p. 100	L. Gachechiladze
30	Modeling the process of visualization of certain functions of the operating system kernel (Monograph. Part V)	Printed	Scientific Ed. Dr. ped. sciences, prof. S.P. Akutin. - M. : Publishing House "Pero", 2018. - 228 p. ISBN 978-5-00122-192-0 (Total.) ISBN 978-5-00122-840-0 (Ч.5)	p. 31-51	Gachechiladze L.G., Benashvili A.M., Gochitashvili L.I.
31	Development of Methodology of the Bank Branches' Optimal Placement	Printed	Journal of Business. International Black Sea University. Volume 7 Issue 1. 2018. ISSN: 2233-369X e-ISSN: 2346-8297	P. 45-48	M. TEVDORADZE, L. GACHECHILADZE, M. KALABEGISHVILI
32	Programming for Windows (Based on C# Language)	Printed	"IT-Consulting Scientific Center" of GTU, 2019. ISBN 978-9941-8-1067-1	P. 104	Gachechiladze L.
33	Administration of SQL Server Databases (Book)	Printed	International Black Sea University Ltd. 2019. ISBN 978-9941-8-1038-1	P. 480	Gachechiladze L.
34	Algorithms of visualization management processes of operative memory	Printed	Georgian Technical University. Papers. №1(511). 2019. ISSN 1512-0996.	P. 65-72	L. Gachechiladze, M. Kurdadze
35	Algorithms of visualization resources management of operating system	Printed	Georgian Technical University. Papers. №1(511). 2019. ISSN 1512-0996.	P. 73-79	L. Gachechiladze, M. Kalabegishvili
36	Developing a training system for teaching physics in general education schools (Monograph)	Printed	"IT-Consulting Scientific Center" of GTU, 2019. ISBN 978-9941-8-1330-6	P. 98	M. Kevkhishvili
37	Simulation of visualization of memory management processes	Printed	III International Scientific Conference "Globalization and Current Challenges in Business". Georgian Technical University. 24-25.05.2019.	P. 279-282	M. Kiknadze, L. Gachechiladze
38	Modeling the distribution of operating system resources	Printed	III International Scientific Conference "Globalization and Current Challenges in Business". Georgian Technical University. 24-25.05.2019.	P. 302-304	M. Kiknadze, L. Gachechiladze

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39	Working with database using ADO.NET technology (Based on C++) (Textbook)	Printed	"IT-Consulting Scientific Center" of GTU, 2019. ISBN 978-9941-8-1546-1	P. 55	L. Gachechiladze
40	Development of security norms for electronic payment systems (Monograph)	Printed	"IT-Consulting Scientific Center" of GTU, 2019. ISBN 978-9941-8-1545-4	P. 70	K. Jhamurashvili, L. Gachechiladze
41	SQL Server (Textbook)	Printed	GTU. Publishing House „Technical University“. 2019. ISBN 978-9941-28-393-2	P. 502	L. Gachechiladze
42	Development and Employment of Information System for Differentiated Instruction in Inclusive Education (Monograph)	Printed	"IT-Consulting Scientific Center" of GTU, 2019. ISBN 978-9941-8-1709-0	P. 94	I. Gigiberia, L. Kurkhuli, M. Kevkhishvili, M. Dolidze, I. Gigiberia
43	Modeling loads on lines in computer networks in the case of a single non-critical line	Printed	Georgian Technical University. Proceedings. Automated Control Systems. № 2(29). 2019. ISBN 1512-3979-27-493-0	P. 82-85	S. Mikeladze, L. Gachechiladze, M. Kevkhishvili
44	Method for reducing system fluctuations in computer networks	Printed	Georgian Technical University. Proceedings. №1 (515), 2020. ISSN 1512-0996. DOI: <a href="https://doi.org/10.36073/1512-0996">https://doi.org/10.36073/1512-0996</a>	p. 40-45	S. Mikeladze, L. Gachechiladze
45	Load simulation on lines in computer networks in case of one critical line	Printed	Georgian Technical University. Proceedings. №1 (515), 2020. ISSN 1512-0996. DOI: <a href="https://doi.org/10.36073/1512-0996">https://doi.org/10.36073/1512-0996</a>	p. 46-51	S. Mikeladze, L. Gachechiladze
46	SIMULATION OF VISUALIZATION A DISK SCHEDULING OPERATIONS	Printed	International Scientific Conferences. Conferencii. Education, Law, Business. Collection of scientific articles. Cartero Publishing House. Madrid, Spain. 2020. 104 p. ISBN 978-2-5494-0322-3	p. 74-76	L. Gachechiladze
47	Modelling of Processes Visualization of Operative Memory Management and Distribution of Resources of an Operating System	Printed	14th International Silk Road Conference on Globalization: Trends and Perspectives. Silk Road 2019. Conference Proceedings. October 11-12, 2019. Tbilisi, Georgia. International Black Sea University, LLC. ISBN 978-9941-8-2211-7	p. 241-245	Gachechiladze L., Kurdadze M., Kalabegishvili M.
48	Develop a methodology for resolving conflicts between product rules on the example of power system management (monograph)	Printed	GTU "IT-Consulting Scientific Center", 2020. ISBN 978-9941-8-2188-2	p. 73	D. Chikovani, L. Gachechiladze, M. Kevkhishvili
49	Programming for Windows (based on C++ language) (auxiliary guide)	Printed	GTU "IT-Consulting Scientific Center", 2020. ISBN 978-9941-8-2191-2	p. 83	L. Gachechiladze, M. Kevkhishvili

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50	Programming on C++ Language (Textbook)	Printed	GTU "IT-Consulting Scientific Center", 2020. ISBN 978-9941-8-2190-5	p. 294	L. Gochitashvili, L. Gachechiladze
51	Theory of building software simulators (monograph)	Printed	GTU "IT-Consulting Scientific Center", 2020. ISBN 978-9941-8-2189-9	p. 216	L. Gachechiladze, L. Gochitashvili, M. Kalabegishvili
52	VIRTUAL STORAGE MANAGEMENT VISUALIZATION ALGORITHMS	Printed	International Scientific Conferences. Business Management, Economics and Social Sciences. 23.10.2020. Conference proceedings. Agenda Publishing House LTD · London, UK · 2020. – 204 p. ISBN 978-2-5494-0318-8	P. 197-199	L. Gachechiladze
53	Problems of computer networks and methods of their solution (methodical instructions)	Printed	GTU "IT-Consulting Scientific Center", 2021. ISBN 978-9941-8-2462-3	P. 39	L. Gachechiladze
54	DEVELOPMENT A TRAINING SYSTEM FOR TEACHING THE CALCULATING OF A FUNCTION'S DERIVATIVE	Printed	International Scientific Conferences. Research and Innovation. 26.03.2021. Conference proceedings. Yunona Publishing New York, USA 2021. – 203 p. ISBN 978-0-9860467-9-8	P. 198-202	L. Gachechiladze
55	DEVELOPMENT A TRAINING SYSTEM FOR TEACHING THE CALCULATING OF THE INDEFINITE INTEGRAL	Printed	International Scientific Conferences. Research and Practice. 25.06.2021. Conference proceedings. Lardy Publishing House Paris, France, 2021. 164 p. ISBN 978-2-5355-4891-7	P. 145-148	L. Gachechiladze, M. Kevkhishvili
56	DEVELOPMENT OF AN ALGORITHM FOR QUICK DETERMINATION AND CALCULATION OF THE NUMBER OF WORKING STATES OF STRUCTURAL-COMPLEX SYSTEMS	Printed	The VII International Scientific and Practical Conference «Innovative trends in science, practice and education», February 22 – 25, 2022, Munich, Germany. ISBN - 979-8-88526-758-8 DOI - 10.46299/ISG.2022.I.VII	484-487 p.	L. Gachechiladze
57	DEVELOP OF A TRAINING SYSTEM FOR TEACHING MATRIX INVERSION	Printed	The IX International Scientific and Practical Conference «Advancing in Research, Practice and Education», March 08 – 11, 2022, Florence, Italy. ISBN - 979-8-88526-745-8 DOI - 10.46299/ISG.2022.I.IX	78-81 p.	L. Gachechiladze

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58	DEVELOPMENT OF INFORMATION SYSTEM FOR TRAINING PLANNING WORK WITH MAGNETIC DISK	Printed	MODERN PROBLEMS IN SCIENCE Proceedings of the X International Scientific and Practical Conference Vancouver, Canada March 15 – 18, 2022. ISBN - 979-8-88526-746-5 DOI - 10.46299/ISG.2022.I.X	186-190 p.	Gachechiladze L.
59	INFORMATION SYSTEM FOR TEACHING VIRTUAL MEMORY MANAGEMENT	Printed	MULTIDISCIPLINARY ACADEMIC NOTES. THEORY, METHODOLOGY AND PRACTICE. Proceedings of the XVII International Scientific and Practical Conference. Tokyo, Japan May 03 – 06, 2022. ISBN – 979-8-88526-741-0 DOI – 10.46299/ISG.2022.1.17	531-534 p.	L. Gachechiladze
60	ANALYSIS AND DIRECTIONS OF USE OF EXPERT SYSTEMS IN THE FIELD OF ENERGY	Printed	Transactions. Georgian Technical University. Automated Control Systems. 1(33), 2022.	94-100	Lia Gachechiladze, Mirian Kalabegishvili, Marina Kurdadze
61	Critical analysis of cyberattacks, taking into account the human factor	Printed	Georgian Technical University. Faculty of Business Technologies. From a series of monographs. Globalization and the current challenges of business. Tbilisi. VI International Scientific Conference. Publishing House „Technical University“, 2022. ISBN 978-9941-28-127-3	P. 286-290	G. Sakhvadze, M.Kiknadze
62	MySQL Server (The guidbook)	Printed	GTU "IT-Consulting Scientific Center", 2022. ISBN 978-9941-8-4822-3	67 p.	Lia Gachechiladze
63	Expert systems in infrared moisture (Monograph)	Printed	"IT-consulting scientific center" of GTU, 2022. ISBN 978-9941-8-4892-6	116 p.	Tsiuri Nozadze, Tamar Rosnadze, Lia Gachechiladze
64	Visual C#.NET (Manual)	Printed	Georgian Technical University. © Publishing house "Technical University", 2022 ISBN 978-9941-28-883-8	600 p.	Roman Samkharadze, Lia Gachechiladze

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65	Research of cable-stayed structures taking into account plastic properties of the material (Monograph)	Printed	EUROPEAN INNOVATIVE TECHNOLOGIES IN ENVIRONMENTAL ENGINEERING. FROM A SERIES OF MONOGRAPHS "ECOLOGY OF THE ENVIRONMENT" Volume II. Georgian Technical University. © Publishing house "Technical University", 2022 ISBN 978-9941-28-425-0 (All volumes) (PDF) ISBN 978-9941-28-917-0 (Volume II) (PDF) <a href="http://www.gtu.ge">http://www.gtu.ge</a>	864-881 p.	Jankarashvili D., Sulashvili V.
66	Critical analysis of human factor cyber-attacks	Printed	Georgian Technical University. Faculty of Business Technologies. Government and society. Tbilisi. XVI International Scientific Conference. Publishing House "Technical University", 2022. ISBN 978-9941-28-289-7	P. 276 - 283	Sakhvadze G, Kiknadze M., Gachechiladze L.
67	SECURE TRANSFER OF INFORMATION WITHIN THE INTERNAL NETWORK OF THE ORGANIZATION	Printed	International Scientific and Practical Conference "CURRENT ISSUES OF SCIENCE AND INTEGRATED TECHNOLOGIES". Milan, Italy. January 10 – 13, 2023. ISBN – 979-8-88862-816-4 DOI – 10.46299/ISG.2023.1.1	627-630 p.	Sakhvadze G.
68	PRODUCTION MODEL FOR DIAGNOSIS OF PATIENTS WITH NEUROLOGICAL COMPLAINTS	Printed	The 11th International scientific and practical conference "Problems of the development of science and the view of society" (March 21 – 24, 2023) Graz, Austria. International Science Group. 2023. 435 p. ISBN – 979-8-88896-521-4 DOI – 10.46299/ISG.2023.1.11	382-388 p.	Kiknadze M., Cholikidze M., Gachechiladze L.
69	THE DEVELOPMENT OF EXPERT SYSTEM FOR DISEASE DIAGNOSIS IN CLINICAL NEUROLOGY	Printed	The 14th International scientific and practical conference "Development, education, culture: integration trends in the modern world" (April 11 – 14, 2023) Oslo, Norway. International Science Group. 2023. 585 p. ISBN – 979-8-88955-325-0 DOI – 10.46299/ISG.2023.1.14	491-494 p.	Kiknadze M., Cholikidze M., Gachechiladze L.
70	A collection of tests on the subject "Algorithmization Fundamentals and Programming Elements"	Printed	"IT-consulting scientific center" of GTU, 2023 ISBN 978-9941-8-5445-3	P. 106	Lia Gachechiladze, Marina Kurdadze, Mirian Kalabegishvili

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71	DEVELOPMENT OF A PRODUCTION MODEL FOR THE DIAGNOSIS OF CARDIOVASCULAR DISEASES	Printed	International Scientific and Practical Conference "Theoretical Foundations Of Scientists And Modern Opinions Regarding The Implementation Of Modern Trends". San Francisco, USA. June 27 – 30, 2023. ISBN – 979-8-88992-684-9 DOI – 10.46299/ISG.2023.1.25	416-419 p.	Rosnadze T., Gachechiladze L.
72	Algorithm for making logical conclusions	Printed	Education. Quarterly refereed and peer-reviewed scientific journal. GTU. 2(41)2023. ISSN 2346-8300. DOI: <a href="https://doi.org/10.36073/2346-8300">https://doi.org/10.36073/2346-8300</a>	P. 162-166	Kiknadze M., Cholikidze M., Gachechiladze L.
73	Planning and Automation of Information Security Awareness Training ( <b>Impact Factor</b> )	Printed	Georgian Scientists. Vol. 5 Issue 3, 2023 <a href="https://doi.org/10.52340/gi.2023.05.04.05">https://doi.org/10.52340/gi.2023.05.04.05</a> . E-ISSN 2667-9760	P. 48-54	Kiknadze Mzia, Sakhvadze Giorgi, Gachechiladze Lia, Acharadze Guram
74	Enguri HPP Arch Dam Temperature Field Analysis	Printed	Scientific_Technical Journal, "BUILDING". #2(66), 2023. ISSN 1512-3936. DOI: <a href="https://doi.org/10.36073/1512-3936">https://doi.org/10.36073/1512-3936</a>	P. 57-62	M. Kalabegishvili, D. Chania, M. Sadunishvili, L. Gachechiladze
75	DEVELOPMENT OF A TRAINING SYSTEM FOR TEACHING MATRIX DETERMINANT CALCULATION	Printed	International Scientific and Practical Conference "Scientific Projects On Improving The Environment". Brussels, Belgium. October 17 – 20, 2023. ISBN – 979-8-89145-191-9 DOI – 10.46299/ISG.2023.2.25	P. 123-126	Gachechiladze L.

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