

№	Name of scientific work	Publisher, journal(issue, year) town	Number of pages	Co-author
1.	2.	3.	4.	5.
1.	A Simple Quantitative Model for Evaluation of the Sustainable Development Index and its Correlation with the Knowledge Society Index (K-Index)	Proceedings of LEPL Archil Eliashvili Institute of Control Systems of the Georgian Technocal University. vol.17. 2013.	pp 49-54	Z. Buachidze, A. Chirakadze, A. Gigineishvili, N. Kavlashvili, Z. Sikmashvili, M. Wireman
2	A simple quantitative model for evaluation of sustainable development index and its correlation with knowledge society index (K-index): Farther progress	13th International Conference on Clean Energy (ICCE-2014) June 8-12, 2014 Istanbul, Turkey	pp.1800-1806	T. Berberashvili, Z. Buachidze, A. Chirakadze, G.Kervalishvili, I. Khomeriki, Z. Gasitashvili, Z. Sikmashvili
3	Algorithm for constructing a complete graph of the topology of a telecommunications network	Georgian Technical University. Proceedings Automated Control Systems – No1(21), 2016	pp.31-36	E.Kamkamidze M.Dvalishvili
4.	Arsenic pollution of soils and morbidity prevalence in Racha-Lower Svaneti district of Georgia	Int. J. Global Warming, Vol. 10, Nos. 1/2/3, 2016 Copyright © 2016 Inderscience Enterprises Ltd.	pp.92-114	A.Chirakadze, Z.Buachidze, V. Gvakharia, M. Stamateli, N. Chakvetadze, M. Chokheli, William A. Toscano, K.Chigogidze, L. Gvertsiteli, N. Bagrationi
5.	Combined processing of waste organic polymers and manganese bearing waste/low grade ores into fuels and low-carbon manganese alloys	Int. J. Global Warming, Vol. 10, Nos. 1/2/3, 2016 Copyright © 2016 Inderscience Enterprises Ltd.	pp.242-262	A.Chirakadze, Z.Buachidze, A. Gigineishvili, P.Kervalishvili, T.Chichua, L. Gurchumelia, T.Berberashvili, G.Kervalishvili

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6	Complex processing of manganese bearing waste and lowgrade ores by autoclaving method	International Journal of Global Warming, 10 (1-3) 2016.	pp 291-306	A. Chirakadze, L. Gurchumelia, W.Toscano, I. Bazghadze, I.Geleishvili, V.Gvakharia, T. Geleishvili
7	Increasing the security level of the web application by improving session management	International Scientific Journal Intellectual,#32,2016	pp.172- 178	E.Kamkamidze
8	Algorithm for constructing a complete graph of the topology of a telecommunications network	Collection of thematic scientific works of GTU Automated Control Systems. No. 1(21) Stu. 2016	გვ.31-37	E.Kamkamidze M.Dvalishvili
9	An example of design of elements for generation and directed radiation of the microwave electromagnetic field for application in devices for control of the agricultural pests.	Georgia Chemical Journal, 17 (1), 2017.	pp.46-49	A. Chirakadze, R. Gakhokidze, A. Giginishvili, N. Kavlashvili, Z. Buachidze, M. Taktakishvili, K. Gorgadze
10	საგნების ინტერნეტის ( IoT) პარადიგმები	Scientific Practical conference “Digital Technologie Present and Challenges GTU 2018	8 printed page	E.Kamkamidze
11	The task of improving quality transmission of speech signal in networks with packet switching	Scientific Practical conference “Digital Technologies Present and Challenges GTU 2018	6 printed page	E.Kamkamidze
12	Possible applications concepts for creating info communication space of voice and video communication services	Scientific Practical conference “Digital Technologies Present and Challenges GTU 2018	8 printed page	E.Kamkamidze

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13	The trend of „Internet of Things”	GTU scientific work collections “Automated Control Systems” #26 GTU 218 International Scientific Technical Conference “Information Society and education Intensification technologis” Dedicated to the 15 years Anniversary of UNESCO Chair “Informative Community” 28-29. 09.2018	pp. 178-183	E.Kamkamidze
14	Applied computing	A short course of lectures. Georgian Technical University. Department of Interdisciplinary Informatics. Georgia. Tbilisi, 2018	pp.110-130 Capter III	
15	Study of Synergy of Insecticidal Formulations Against BMSB Using the Mathematical Isobole Method	Proceedings of LEPL Archil Eliashvili Institute of Control Systems of the Georgian Technocal University, # 23, 2019	pp 42-47	A. Chirakadze, N. Kavlashvili, Z. Buachidze, N. Meskhi, A. Gigineishvili, A. Jishiashvili, A. Laperishvili, L. Zazadze, N. Khuskivadze,
16	Seleqtion, application and experimental testing using quantitative methods for determination of synergy rate and biological effectiveness of synergistic insecticidal composition against the Brown marmorated stink bug (Halyomorpha Halys).	Archil Eliashvili Institute of Control Systems of the Georgian Technical University Proceedings.#24, 2020	pp.39-43	M.Ambokadze, N.Lomidze, A.Chirakadze, Z.Buachidze, A.Gigineishvili, M. Tsverava, G.Kacharava, M.Taktakishvili

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17	Quantitative in vivo determination of the biological effectiveness of a new combined insecticidal against the <i>Calliptamus italicus</i> , <i>Leptinotarsa decemlineata</i> , <i>Zabrus tenebrioides elongatus</i> , <i>Anisoplia alazonica</i> and <i>mayetiola destructor</i> and proof of the reliability of the obtained experimental data using variation criteria.	Archil Eliashvili Institute of Control Systems of the Georgian Technical University Proceedings.#24, 2020.	pp.43-47	M.Ambokadze, N.Lomidze, A.Chirakadze, Z.Buachidze, A.Gigineishvili, N.Kavlashvili, M. Tsverava, G.Kacharava, M.Taktakishvili
18	Development and Testing of Nanoparticles for Treatment of Cancer Cells by Curie Temperature Controlled Magnetic Hyperthermia	Bulletin of the Georgian National Academy of Sciences, vol. 15, no. 1, 2021	pp. 91-98	A.Chirakadze, N. Mitagvaria, D. Jishiashvili, M. Devdariani G.Petriashvili, L. Davlianidze, N.Dvali, K.Chubinidze, A. Jishiashvili, Z. Buachidze
19	Microwave Synthesis, Characterization and Testing of Acute Toxicity of Boron Nitride Nanoparticles by Monitoring of Behavioral and Physiological Parameters	Bulletin of the Georgian National Academy of Sciences, vol. 15, no. 2, 2021	pp.120-126	A.Chirakadze, N. Mitagvaria, D. Jishiashvili, G.Petriashvili, N.Dvali, Z.Shiolashvili, K.Chubinidze, N.Makharadze, A. Jishiashvili, Z. Buachidze
20	Academic and Scientific Communication Techniques	Georgian Technical University Methodological guidelines for seminar work 2021. Tbilisi. IT Consulting Scientific Center of GTU	64 pages	

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21	Integration the Internet of Things and Blockchain	<p>Collection of thematic scientific works of GTU.</p> <p>– “Automated Control Systems”. No. 1(32), volume 1.1.. GTU., Tbilisi 2021.</p> <p>The collection includes the works of the international scientific-technical conference dedicated to the 50th anniversary of the establishment of the Department of "Automated Control Systems" of GTU</p>	pp 135-139	
22	Stages of big data processing and analysis	<p>Dedicated to the 100th anniversary of the Georgian Technical University and the 65th anniversary of the ICS faculty</p> <p>International scientific-practical conference</p> <p>Collection of works "Innovations and modern challenges 2022". Georgia, Tbilisi 2022</p>	pp.30-33	Nana Nozadze Zurab Modebadze
23	Analysing Dose Parameters of Radiation Therapy Treatment Planning and Estimation of Their Influence on Secondary Cancer Risks	<p>Bioinformatics and Biomedical Engineering.</p> <p>10th International Work-Conference, IWBBIO 2023</p> <p>Meloneras, Gran Canaria, Spain, July 12–14, 2023</p> <p>Proceedings, Part I.</p> <p>Springer</p>	pp 231-243	Lily Petriashvili Tamar Lominadze, Maia Topeshashvili, Revaz Shanidze, Mariam Osepashvili
24	The role of blockchain in the Internet of Things, challenges, opportunities	<p>International Scientific-Practical Conference Modern Challenges and Achievements in Information and Communication Technologies - 2023. Publishing House "Technical University"</p>	pp.447-452.	Ani Kundukhashvili

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25	The Impact of Artificial Intelligence in the business process in the Phase of Data Analytics Georgian Technical University	Georgian Scientists. Vol.6 No.1 (2024)	pp.38-44	Lili Perriashvili