

## List of scientific works

**Lena Shatakishvili**

№	Title of scientific work	prin ted	Publishing house (name, number, year) or copyright certificate number	N u m b e r o f p r i n t e d s h e e t	Last name of the co-author
1	2	3	4	5	6
1	"Reliability analysis of gas distribution system with Markov processes"	print ed	"Engineering News Georgia" magazine .tbilisi #2(86), 2018 წ.	5	D.Namgaladze G.Gagua
2	Basics of applied hydroaeromechanics	print ed	Publish House "Technical University " Tbilisi 2018	2 8 7	I.Lomidze G.Khelidze T.Kiziria
3	Vane pumps	print ed	Publish House "Technical University " Tbilisi 2018 y,	2 8 5	I.Lomidze N.Kutateladze G.Khelidze D.Namgaladze
4	Determination of the damage methodology of the gas distribution network and elimination of quality criteria.	print ed	"Energy", 2018, №4(88), p.5-11.	6	D.Namgaladze G.Gagua
5	Georgian Small HPP (Monograph)	print ed	LAP LAMBERT Academic Publishing (2019-04-08 ). <a href="https://www.lap-publishing.com/">https://www.lap-publishing.com/</a>	2 2 4	Khelidze G.
6	Small hydropower in Georgia and prospects its development	print ed	"Hydraulic construction", scientific-technical journal, №3, 2019, p. 122-124	6	I.Noniev G.Khelidze G. Shainian
7	Quantitative assessment of environmental water discharge from hydropower facilities considering various factors	print ed	Globalization and modern challenges of business, a collection of proceedings of the III International Scientific Conference, GTU. Tbilisi 2019, p.421-425	4	G.Khelidze N.Dzagania
8	Quantitative Assessment of Hydropower Potential by the Impacts of Climate Transformation on the Example of the Rivers of Georgia	print ed	World Science. №10(50), Vol.1. October 2019. p. 4-9. DOI: <a href="https://doi.org/10.31435/rsglobal_ws/31102019/6712">https://doi.org/10.31435/rsglobal_ws/31102019/6712</a> ISSN 2413-1032 "	5	G. Khelidze, B. Pipia
9	Determining the probability of fault-free operation of the line part of the main oil pipeline, under the threat of increasing faults	print ed	"Energy ", 2019, №3(91), p.5-11.	6	D.Namgaladze T.Kiziria
10	Oil and gas in the reservoirs Losses during evaporation of oil products storage Analysis and classification	print ed	"Energy", 2019, №3(91), p.12-17.	6	D.Namgaladze T.Kiziria

11	Safety in hydropower and related environmental issues	printed	II International Scientific and Technical Conference "Modern Problems of Energy" and ways to solve them", Tbilisi, Sakartvelo, December 7-10, 2020. "Energy"engineering and technical journal. No. 4(96). 2020. Part II. Tbilisi. p. 75-79.	6	I.Noniev G.Khelidze A.Mirckhulava
12	Plotting a Diagram of Natural Gas Interchangeability for the Energy Market of Georgia.	printed	World Science. 9(61) 2020. doi: 10.31435/rsglobal_ws/30122020/7277 DOI <a href="https://doi.org/10.31435/rsglobal_ws/30122020/7277">https://doi.org/10.31435/rsglobal_ws/30122020/7277</a>	5	D. Namgaladze, T. Kiziria, T. Ghvanidze
13	Dam safety and related environmental issues	printed	XXV International Scientific and Practical Conference: International Trends in Science and Technology January 30, 2021, Warsaw, Poland DOI: <a href="https://doi.org/10.31435/rsglobal_conf/30012021/7382">https://doi.org/10.31435/rsglobal_conf/30012021/7382</a>	3	I.Noniev G.Khelidze A.Mirckhulava
14	CALCULATION OF CHARACTERISTICS OF INTERNAL PRESSURE EMISSIONS IN MAIN GAS PIPELINES	printed	World Science No № 1(62) 2021 DOI: <a href="https://doi.org/10.31435/rsglobal_ws">https://doi.org/10.31435/rsglobal_ws</a>	4	D. Namgaladze, L. Shatakishvili, T. Ghvanidze
15	To the Assessment of the Safety Risks of Dams in Georgia	printed	Research, Study, Examination (Vol.3) // Collective monograph. Saarbrücken, Saarland, Germany; 2022, p.74-79	5	G. Khelidze, I. Noniev., A. Mirtskhulava
16	Ecological and effective management aspects of hydrodynamic processes of viscous fluids in main pipelines	printed	Publishing House "Technical University", Tbilisi, 2022, 193 p.		D.Gurgenidze D.Namgaladze
17	THE TASK OF OPTIMIZING OIL LOADING IN TANKERS	printed	World Science No № 2(82) 2023 <a href="https://doi.org/10.31435/rsglobal_ws/30062023/8000">https://doi.org/10.31435/rsglobal_ws/30062023/8000</a>	5	D. Namgaladze, T.kiziria
18	Challenges of Implementin the underground gas storage project in Georgia	printed	World Science No 3(81) 2023 DOI: <a href="https://doi.org/10.31435/rsglobal_ws/30092023/8037">https://doi.org/10.31435/rsglobal_ws/30092023/8037</a>	3	T.Shoshiashvili
19	Collection of problems on applied hydro-aeromechanics.	printed	Publishing House "Technical University", Tbilisi, 2023, 202p. ISBN 978-9941-28-983-5	2022	G. Khelidze, T. Kiziria N.Kikacheishvili B.Pipia
20	METHODOLOGY FOR DETERMINING LEAKS AND ENERGY SAVING IN UNDERGROUND GAS STORAGE	printed	WORLD SCIENCE № 2(84), 2024. DOI: <a href="https://doi.org/10.31435/rsglobal_ws/30062024/8134">https://doi.org/10.31435/rsglobal_ws/30062024/8134</a>	4	Ketevan Berikashvili.
21	ASPECTS OF RELIABILITY, EFFICIENCY AND ENERGY SAVING OF GAS PIPELINES AND GAS SUPPLY SYSTEM EQUIPMENT	printed	International Journal of Innovative Technologies in Social Science N 4(44), 2024 <a href="https://rsglobal.pl/index.php/ijitss/article/view/3114">https://rsglobal.pl/index.php/ijitss/article/view/3114</a>		D. Namgaladze, T. Kiziria, G. Khelidze, K. Berikashvili
22	AN EFFICIENT, COMPETITIVE "OZONE GENERATION SYSTEMS" FOR THE CHALLENGES IN AGRICULTURE SECTOR	printed	World Science N 1(87) (2025) <a href="https://doi.org/10.31435/ws.1(87).2025.3247">https://doi.org/10.31435/ws.1(87).2025.3247</a>	6	G. Tsivtsivadze G.Burjanadze S.Burjanadze L.Akhalbedashvili
23	ENERGY DEPENDENCY INDEX OF GEORGIA	printed	World Science N 4(90) (2025) DOI: <a href="https://doi.org/10.31435/ws.4(90).2025.4743">https://doi.org/10.31435/ws.4(90).2025.4743</a>	4	L. Shatakishvili T. Shoshiashvili N. Bukhnikashvili