

**List of scientific and educational-methodical works**  
**Rostom Gaprindashvili**

#	Title of scientific works	printed or handwritten	Journal, book (manual), publisher, number, year or copyright number	Quantity of printed plates or pages	Co-authors
1	2	3	4	5	6
1	Hydrogenation of phenol in the ratio of natural aluminum silicates.	printed	Bulletin of the scientific-technical information and propaganda institute. 1963, #23	6	N. Bekauri N. Kvatchadze.
2	Hydrogenation of phenol in the presence of new aluminosilicate catalysts.	printed	Certificate of registration, No. 41536, 11.IX.1963	1	N. Bekauri N. Kvatchadze.
3	Hydrogenation of phenol in the vapor phase in the presence of new catalysts.	printed	by the Journal of the Academy of Sciences of the USSR of Georgia. T. XXXIV, I, 1964.	5	N. Bekauri N. Kvatchadze.
4	A method for producing a nickel-based catalyst for the hydrogenation of phenol.	printed	Author's side. No. 170910. 1963r.	1	N. Bekauri, I. M. Grdzelidze, G. G. Iashvili
5	Investigation of products of interaction between diphenyl and anhydrous aluminum chloride	printed	Abstracts of the XII scientific-technical conference of aspirants and advanced scientific workers. Spi, Tbilisi, 1966.	2	R. Lagidze
6	Investigation of interaction products between benzene and anhydrous aluminum chloride in dearomatized ligroin	printed	Abstracts of the XIII Scientific-Technical Conference of Aspirants and young Scientific Workers. Spi, Tbilisi, 1968.	2	R. Lagidze
7	Study of the products of interaction between aluminum chloride and diphenyl in dearomatized van naphtha.	printed	Proceedings of the GPI named after. V. I. Lenina, 1968, No. 2.	8	R. Lagidze
8	A new method for the synthesis of 1-phenyl-3-methylcyclopentane.	printed	Abstracts of the reports of the first republican conference dedicated to. 100 hp from birth V. I. Lenin. ,1969	2	R. Lagidze
9	A new method for the production of terephthalic and benzoic acids based on diphenyl.	printed	XV scientific and technical conference of the State Pedagogical Institute named after. V. I. Lenin, vol. 1, 1970.	6	R. Lagidze
10	On the products of interaction of chlorinated aluminum with benzene in dearomatized naphtha	printed	Proceedings of the GPI named after. V.I. Lenina, 1971, No. 8.	6	R. Lagidze
11	Study of the interaction products of chlorinated aluminum with some aromatic hydrocarbons in dearomatized naphtha.	printed	Collection of annotations of the XVII anniversary scientific and technical conference of the State Pedagogical Institute named after. V. I. Lenin, 1972, p. 298.	2	R. Lagidze
12	Method for producing 1-methyl-3-phenylcyclopentane.	printed	Copyright certificate. No. 358307. 1972. Bulletin image. No. 34, 1972	1	R. Lagidze
13	The use of natural zeolite for purification of nitrogen oxides from exhaust gases of the nitric acid production of the Rustavi Chemical Plant.	printed	Abstracts of reports of the XII scientific and technical conference of the Higher Technical Institutions of Transcaucasia, dedicated. for the 60th anniversary of Oct. revol. Tbilisi, 1977..	1	N. M. Kordzakhia, A. G. Shatirishvili, N.V. Saganelidze

14	<b>On the issue of cleaning industrial emissions from nitrogen oxides with natural zeolite.</b>	printed	News of the Academy of Sciences of the GSSR. Chemical series. Volume 4. No. 4, 1978.	4	N. M. Kordzakhia, A. G. Shatirishvili, N. V. Saganelidze
15	<b>Purification of exhaust gases from chemical industries from nitrogen oxides using natural zeolite from Georgian deposits.</b>	printed	Abstracts of reports of the 1st institute scientific and technical conference prof.-teacher. of the GPI named after. V.I. Lenin and production workers for environmental protection. Ed. GPI named after. V. I. Lenin Tbilisi, 1980.	2	N. M. Kordzakhia, A. G. Shatirishvili,
16	Laboratory practice in general chemical technology. manual.	printed	Lenin's house Administration of the Polytechnic Institute of Meteorology, 1980.	107	M. Khvinianidze, E. Zakariadze
17	Study of the sorption properties of zeolite from the Gruz-insky deposit "Hekordzula" during the purification of industrial waste gases from small quantities of harmful impurities.	Handwriting	Report on scientific research work. GPI named after. V. I. Lenin. 1981.	34	N. M. Kordzakhia,

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18	<b>Purification of exhaust gases from chemical industries from nitrogen oxides using natural zeolite from Georgian deposits.</b>	printed	Тезисы докладов V Закавказской конференции по адсорбции и хроматографии. Баку, 1982.	1	N. . Kordzakhia, D. O. Gelashvili
19	Purification of exhaust gases from chemical industries from nitrogen oxides using natural zeolite..	printed	Abstracts of reports of the first republican conference in the field of environmental protection. Tbilisi, 1983.	1	N. Kordzakhia, G. Tsitsishvili
20	Study of the process of ammoniation of zeolite.	printed	Abstracts of reports IX regional scientific-technical. conference Perm, 1983.	2	R. G. Kefer, N. F. Danilov
21	Sorption of nitrogen oxides and nitric acid vapors on natural clinoptilolite.	printed	Abstracts of the IX seminar on the chemistry and technology of inorganic sorbents, Perm, 1985.	2	R. G. Kefer, V. E. Derr
22	Development of an adsorption-catalytic method for neutralizing nitrogen oxides and carbon monoxide from gas emissions.	printed	Abstracts of reports of the XIII Scientific Conference on the Technology of Inorganic Substances and Mineral Fertilizers. Gorky, 1985.	3	R. G. Kefer, N.F. Danilov, I.S. Puzanov, M. V. Zerova
23	Purification of exhaust gases from chemical industries from nitrogen oxides using natural zeolite from Georgian deposits	printed	Sat. "Geology, physical and chemical properties and application of natural zeolites." Proceedings of the conference. Ed. "Metsniereba", Tbilisi, 1985.	2	N. M. Kordzakhia
24	Adsorption of nitrogen oxides from gas emissions from power plants with coolant based on N <sub>2</sub> O <sub>4</sub> on natural clinoptilolite.	printed	Abstracts of reports of the scientific and practical conference "Extraction, processing and use of natural zeolites." Tbilisi, 1986..	2	S. E. Starobinets, S. D. Kovalev, V. Y. Timofeeva
25	The use of natural clinoptilolite for the sorption of nitrogen oxides and nitric acid vapors from gas emissions.	printed	Abstracts of reports of the scientific and practical conference "Extraction, processing and use of natural zeolites." Tbilisi, 1986.	2	R. G. Kefer, N. M. Kordzakhia
26	Treatment of wastewater from chemical industries using natural zeolite.	printed	Abstracts of reports of the first Transcaucasian scientific and technical conference in the field of environmental protection. Tbilisi, 1986.	1	N. M. Kordzakhia, M. A. Mdivani

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27	<b>Development of an adsorption method for cleaning emergency emissions from nuclear power plants with nitrine coolant.</b>	Handwriting	Report. Institute of Nuclear Energy of the Academy of Sciences of the BSSR. Code 1.9.1., inv. No. 1231. State registration No. 0186. 0062415. Minsk, 1987.	83	S.E. Starobinets, S. D. Kovalev, R. G. Kefer
28	Comparative characteristics of selective and ordinary tea extracts..	printed	Abstract collection "Tea". SCNT, Gruzint, Tbilisi, 1988.	8	D. B. Lobzhani-dze, N. A. Kiknadze, R. Sh. Lomtadze..
29	<b>Selective tea extract and ways of obtaining it.</b>	printed	Abstracts of reports rep. scientific and practical conference: ways to improve the quality of domestic tea. Tbilisi, 1989.	2	D. B. Lobzhani-dze, N. A. Kiknadze, R. Sh. Lomtadze, N. K. Gulua
30	Study of mass transfer processes in the apparatus of cleaning and regeneration systems of nuclear power plants with a dissociating coolant.	Handwriting	Report. Institute of Nuclear Energy of the Academy of Sciences of the BSSR. Code 1.9.1., inv. No. 1330. State registration No. 0186. 0062415. Minsk, 1989.	80	S.E. Starobinets, S. D. Kovalev, R. G. Kefer
31	Adsorption of nitrogen oxides from gas emissions from power plants with coolant based on N <sub>2</sub> O <sub>4</sub> on natural clinoptilolite.	printed	In the book: "Extraction, processing and use of natural zeolites." Ed. "Sakartvelo", Tbilisi, 1989.	2	S.E. Starobinets, S. D. Kovalev, V. Ya. Timofeeva
32	Absorption of sulfate and nitrothiones from wastewater by natural clinoptilolite.	printed	Theoretical and experimental research in chemical technology. Scientific works No. 1(343). GPI named after V. I. Lenin, Tbilisi, 1989.	3	N. Kordzakhia, M. A. Mdivani
33	<b>Batch reactor. Tutorial.</b>	printed	<b>Ed. Georgian Technical University, Tbilisi, 1990.</b>	14	M. Gvinia-nidze, E. A. Zakariadze
34	Laboratory practice of general chemical technology. Methodical reference.	printed	By the publishing house of the Technical University of Georgia, Tbilisi, 1990.	84	M. Gvinianidze, E. Zakariadze
35	General technology of food products. Manual.	printed	gamomcemloba "teqniki universiteti". Tbilisi, 2002.	151	
36	zogadi qimiuri teqnologia. saxelmZRvanelo	printed	"Technical University" publishing house. Tbilisi, 2002	342	

1	2	3	4	5	6
37	Thermo- and photoreactive oligoamido-etheracrylates based on bis-(L-phenylalanine/L-leucin)- $\alpha,\omega$ -alkylene diethers on .	printed	Fifth Republican Conference in Chemistry; theses of reports; Tbilisi, TSU, 2004.	1	N.Mumladze, G.Chumburidze, C. Gogvadze
38	Food additives. The textbook	printed	By "Technical University" publishing house, Tbilisi. 2008.		
39	Biodegradable hydrogels based on methacryl-oil dextrin and unsaturated polyetheramides and polyamides (photo-tochimeric conjugation).	printed	Chemical Journal of Georgia. Vol. 8. No. 1. 2008.	4	M. Kharabadze, N. Chichinadze, E. Chkhaidze, N. Zavadashvili, G. Jokhadze, R. Katsarava.
40	Study of biodegradation of polyesteramides containing L-lysine benzyl ether using in vitro potentiometric titration method.	printed	Proceedings of Stu, No. 1(467), 2008.	4	T. Queeria G. Jokhadze, T. Memanishvili G.Chumburidze,
41	Laboratory practice of general chemical technology.	printed	"Technical University" publishing house, Tbilisi. 2009.	87	M. Gvinianidze, T. GozalShvili

42	Examples and problems of general chemical technology.	printed	"Technical University" publishing house, Tbilisi. 2009.	60	
43	Novel Bone Graft Composition Based on Nanocrystalline Hydroxyapatite and Biodegradable Polymers.	printed	Nanochemistry – nanotechnologies. Collection of theses of the first international conference. Tbilisi, 2010	2	N. Nadirashvili, T. Chachibaia, D. Tugushi, V.A.Dubok, R. Katsarava
44	Nanotechnologies in the design of biodegradable polymer materials for medical purposes.	printed	Proceedings of the printed international scientific-international-practical conference "Innovative technologies and modern materials". Kutaisi, 2010.	3	R. Katsarava, D. Tugushi, N. Nadirashvili
45	New novel resorbable composite materials for orthopedic surgery: <i>In vivo</i> biodegradation study of polymeric matrix.	nabeWdi	2nd International Caucasian Symposium on Polymers and Advanced Materials. Tbilisi, Georgia. 7-10 September, 2010	2	R. Katsarava, D. Tugushi, M.Gverdtiteli, M.Bedinashvili, D.Dzidziguri, S.Kemoklidze
46	The study of <i>E.coli</i> and <i>Staphylococcus aureus</i> bacteriophages using dynamic light scattering (DLS) method.	printed	2-nd International Conference "Nanotechnologies" Nano-2012 Tbilisi, Georgia, September 19-21, 2012	1	V. Tabidze, P. Toidze, Katsarava
47	"Adsorption of Bacteriophages on Ca/Mg Insoluble Salts and Some New Routes to Bactericidal Surgical Materials".	printed	Third International Caucasian Symposium on Polymers and Materials Tbilisi, Georgia, 1-4 September, 2013	1	T.Beruashvili, V. Tabidze, N. Nadirashvili, A. Ghosilashvili, R. Katsarava
48	"Complex formation study between bacteriophages and synthetic cationic polymer"	printed	3rd International Conference "Nanotechnologies" October 20 – 24, 2014, Tbilisi, Georgia Nano – 2014 Tbilisi 2014.	1	G. Chumburidze, P. Toidze, V. Tabidze, N. Nadirashvili, D. Tugushi, R. Katsarava
49	<b>food additives</b>	printed	Publishing House "Technical University" Tbilisi. 2014	130	
50	<b>Theory of chemical reactors</b>	electronic version	Course of lectures. 2015.	63	
51	Preparation of silver nanoparticles by a simple photochemical method	printed	Journal of the Georgian Ceramists Association. Tbilisi. Vol. 18. 2(36).2016	2	Sh. Tskhadadze, N. Kupatadze, D. Tugushi, R. Katsarava
52	General chemical technology (manual)	electronic version	<a href="https://gtu.ge/Ctmf/File/pdf/chem-tech.pdf">https://gtu.ge/Ctmf/File/pdf/chem-tech.pdf</a> 2018	160	
53	Laboratory practice of general chemical technology	electronic version	<a href="https://gtu.ge/Ctmf/File/pdf/chem-tech2.pdf">https://gtu.ge/Ctmf/File/pdf/chem-tech2.pdf</a> 219	69	M. Gvinianidze, T. Gozalashvili
54	Examples and problems of general chemical technology.	electronic version	<a href="https://gtu.ge/Ctmf/File/pdf/chem-tech1.pdf">https://gtu.ge/Ctmf/File/pdf/chem-tech1.pdf</a> 2020	55	
55	Theory of chemical reactors	electronic version	<a href="https://gtu.ge/Ctmf/File/pdf/chem-react.pdf">https://gtu.ge/Ctmf/File/pdf/chem-react.pdf</a> 2020	150	
56	<b>SERPENTINITE-PHOSPHATE COMPOSITIONS FOR BIOLOGICAL PROTECTION OF NUCLEAR POWER PLANTS</b>	printed	<b>JOURNAL OF THE GEORGIAN CERAMISTS' ASSOCIATION Vol. 24. 2(48).2022</b>	10	Z. Kovziridze, N. Nizharadze, G. Tabatadze, N. Kutsava, M. Balakhashvili, N. Darakhvelidze, M. Kapanadze, R. Gaprindashvili

57	Study of local dolomites, sand from the Krol deposit and production waste to obtain high-refractory clinkers.	printed	International Conference on Global Practice of Multidisciplinary Scientific Studies Dedicated to the 100th Anniversary of "GEORGIAN TECHNICAL UNIVERSITY – GTU". June 24-26, 2022/ Tbilisi, Georgia. PROCEEDINGS BOOK.	9	Z. Kovziridze, N. Nizharadze, N. Kutsiava, M. Balakhashvili, R. Gaprindashvili
58	Modification of concrete with chemical additives.	printed	Scientific and technical magazine "Construction" Tbilisi; No. 2(62), 2022.	6	A. Chikovani, D. Tevzad-ze.
59	HIGHLY REFRACTORY MATERIALS BASED ON ZIRCONIUM DIOXIDE	printed	CERAMICS, SCIENCE AND ADVANCED TECHNOLOGIES JOURNAL OF THE GEORGIAN CERAMISTS' ASSOCIATION Vol. 25. 2(50).2023	10	Z. Kovziridze, N. Nizharadze, M. Balakhashvili, G. Tabatadze, M. Mshvildadze, R. Gaprindashvili