

List of scientific and educational-methodical works

Darejan Ghughunishvili

N	Title of scientific works	printed or handwritten	Journal, book (manual), publisher, number, year or copyright number	Number of printed plates or pages	co-authors
1	2	3	4	5	6
1	Cornus mas L culture in historical sources and its distribution area	printed	Georgian Chemical Journal, Tbilisi. Vol. 13 #1. pp. 182-186 2013	5	N. gelovani, T. Tsintsadze Kh. Tsikarishvili D. Ghughunishvili R. Akhalbedashvili
2	Determination of the amount of ascorbic acid, dehydroascorbic acid and ketogulonic acid in tissues of plant origin	printed	Chemical Journal of Georgia. 2013, No. 2 Vol. 13, p. 52-56	6	N. gelovani, T. Tsintsadze Kh. Tsikarishvili D. Ghughunishvili L. Targamadze M. Nishnianidze M. Lomouri
3	"Separation of Enantiomers of Some Chiral Arylpropionic Acids in High Performance Liquid Chromatography Using Chiral Polysaccharide Stationary Phases and Water-Organic Solvent Type Mobile Phases."	printed	"Social Economy" LLC Current problems of the XXI century N1. p127-133	6	Tsintsadze M. Ghughunishvili D. Matharashvili I.
4	Extraction of phosphates arranged in the above-ground parts of Baia (FICARIA L.).	printed	Chemical Journal of Georgia. 2014, No. 1 Vol. 14, p. 212-217.	6	N. gelovani, T. Tsintsadze, Kh. Tsikarishvili, I. Gvelesiani, I. Tsomaia D. Ghughunishvili
5	Composition of Amino Acids of Young Hortensia Leaves (SATUREJA HORTENSIS L.) in Georgia	printed	Bulletin of the National Academy of Sciences of Georgia Chemistry Series vol.39 N 3-4 p.215-216 2013	2	T. Sagareishvili I. Gvelesiani d. Ghughunishvili D. Gulban
6	Enantiomer separation of some chiral coumarin products in high-performance liquid chromatography using polysaccharide chiral	printed	Chemical Journal of Georgia Vol. 16 N1 p. 221-230 ISSN1512-0686 2016.	9	I. Matharashvili, T. Khatiaishvili, N. Takaishvili, D. Ghughunishvili M. Tsintsadze

	stationary phases and water-organic solvent type mobile phases				
7	Antagonistic action of axinomycetes against some microorganisms	printed	XIV Sabun. Metznie-Reba series Publishing house of Sukhumi State University Tbilisi - 2016, 186-189 p	4	T. Shiukashvili, I. Khatiashvili, D. Kvaracelia Z. Lomtadze
8	Composition of microorganisms of some types of soil (brown-carbonate and alluvial-acid) of Eastern Georgia	printed	XIV Natural Sciences Series Publishing house of Sukhumi State University Tbilisi - 2016, 190-192 p	2	K. Mamulashvili N. Ramishvili T. Shiukashvili R. Tarkashvili D. Kvaracelia Z. Lomtadze
9	Separation of enantiomers of chiral weak acids with polysaccharide-based chiral columns and aqueous-organic mobile phases in high-performance liquid chromatography: Typical reversed-phase behavior?	printed	XIV Jurnal of Chromatography A.1483(2017). 86-92 www.elsevier.com/locate/chroma	6	Iza Matarasvili Lali Chakvetadze, Nino Takaisvili Tamar Xatia Svili Maia Tsincadze Tivadar Farkas Bezhan Chankvetadze
10	Kvevri (wine-vessel) as a multi-purpose vessel	printed	Interneshional of mini-symposium 4may, 2018. TSU, building I, aud, 115. 68-69pp	2	Kh.tsikarishvili M.Tsintsadze D.Gugunishvili
11	Rules for using the pitcher's valve in ancient Georgia	printed	International scientific-methodical conference "Chemistry - achievements and perspectives" dedicated to the 85th anniversary of the birth of Academician Givi Tsintsadze Georgian Technical University. 2019 Publishing House	5	Kh. Tsikarishvili, D. Ghughunishvili, T. Tsereteli, M. Tsintsadze

			"Technical University" 195-200		
12	Quantitative composition of physiological groups of microorganisms in the brown-carbonate and alluvial-acidic soils of Eastern Georgia	printed	National Academy of Sciences of Georgia Regional Scientific Center of the Autonomous Republic of Adjara Proceedings V Batumi 2019 ISSN 2449-2507 71-73	3	K. Mamulashvili, N. Ramishvili, T. Shiukashvili, R. Tarkashvili, D. Kvaracxelia D. Ghughunishvili; Z. Lomtadze
13	Determining the co-occurrence of alkaloids in Gleditsia triacanthos (Gleditsia triacanthos) common in Georgia. -	printed	International scientific conference dedicated to the 90th anniversary of the birth of academician Givi Tsintsadze "Chemistry-achievements and perspectives" collection of works Publishing House of Technical University, Tbilisi, 2023. pp. 270-280	11	M. Jincharadze; N. gelovani R. Gakhokidze; I. Goderdzishvili; D. Ghughunishvili;
Conference abstracts					
14	HPLC separation of enantiomers of some chiral carboxylic acid derivatives using polysaccharide-based chiral columns and polar organic mobile phases.	printed	26 th international symposium on pharmaceutical and biomedical analysis PBA p.12 Tbilisi, 2015.	1	<u>I.Matarashvili¹</u> , T. Khatiashvili ¹ , M.Tsintsadze ² , B.Chankvetadze ¹
15	Separation of enantiomers of chiral weak acids with polysaccharide-based chiral columns and aqueous mobile phases in high-performance liquid chromatography; Typical reversed-phase behavior?	printed	Modern researches and prospects of their use in chemistry, Chemical engineering and related fields. International Scientific Conference Ureki, Georgia, p.170 2016	1	MaTarasvili I. TakaiSvili N. Tsintsadze M. Chankvetadze B.

16	„Pre-processing of raw material (quinces, cherries, elder) for getting vitamin and enzymatic complexes“	printed	International Scientific Conference Future Technologies and Quality of Life 29 September - 1 October 2017, Batumi, Georgia, p.134-135.	2	Targamadze L., Gelovani N., Gvelesiani I., Tsomaia I., Ghughunishvili-Songulashvili D.
17	“The effect of the extraction process on the isolation of biological active substances from the harvesting of cherry, quince and Sambucus nigra fruit”	printed	Ivane Javakhishvili Tbilisi State University SAN DIEGO STATE UNIVERSITY Georgia American Chemical Society, SDSU-G Student Chapter Tbilisi State Medical University Chemical Society of Georgia Association of Professional Chemists of Georgia, Academy of the Natural Sciences of Georgia, International Mini-Symposium “BIOACTIVE COMPOUNDS, ANTIMICROBIAL AND BIOMEDICAL PRODUCTS & MATERIALS FOR PROTECTION OF HUMAN AND ENVIRONMENT” 2018, Tbilisi, Georgia	1	Targamadze L., Gelovani N., Gvelesiani I., Gugunishvili D.,
18	Kvevri (wine-vessel) as a multi-purpose vessel	printed	International Scientific and methodical conference dedicated to the 85th anniversary of Academician G. Tsintsadze on the topic: "Chemistry-achievements and prospects"	1	Kh.tsikarishvili M. Tsintsadze D. Gugunishvili

			October 20, 2018, Tbilisi, Georgia.		
19	Spectrophotometric study of the ability of nickel (II) to form a complex with 2-(2,4,6-samioxotetrahydropyrimidine-5(2H)-ylidene hydrazineterephthalic acid in the presence of a third component	printed	Georgian Technical University. International jubilee scientific-technical conference "Environmental Protection and Sustainable Development" dedicated to the 80th anniversary of the birth of Professor Victor Dimitris-dze Eristavi, Doctor of Chemical Sciences. November 11-12, 2019. 29-30 p.	2	M. Kochiachvili, N. Imnadze, d. Ghugunishvili, M. Tsintsadze, F. Chiragov
20	Extraction of flavonoids from fruit of dicotyledonous Rubus fruticosus and Vaccinium uliginosum, widespread in Georgia	printed	Kyiv Conference on Analytical Chemistry Modern Trends Book of Abstracts Київ 2022 p.43	2	N. Gelovani I. Gvelesiani L. Lomaia D. Ghugunishvili I. Goderdzishvili
21	Development of the composition and technology of biocomplexes from berry crops common in Georgia	printed	Kyiv Conference on Analytical Chemistry Modern Trends Book of Abstracts Київ 2022 pp. 35	2	N. Gelovani E. Giorgishvili T. Tsintsadze M. Neparidze Kh. Tsikarishvili L. Targamadze
22	Development of the composition and technology of biocomplexes from berry crops common in Georgia	printed	6th INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES (ITWCCST 2022). 26-29 OCTOBER 2022. BAKU AZERBAIJAN	2	N. Gelovani; E. Giorgishvili; T. Tsintsadze; M. Neparidze; Kh. Tsikarishvili; L. Targamadze;
23	EXTRACTION OF FLAVONOIDS FROM FRUIT OF DICOTYLEDONOUS RUBUS FRUTICOSUS	printed	6th INTERNATIONAL TURKIC WORLD CONFERENCE	2	Gelovani N., Gvelesiani I., Lomaia L., Ghugunishvili D., Goderdzishvili I.

	AND VACCINIUM ULIGINOSUM, WIDESPREAD IN GEORGIA		ON CHEMICAL SCIENCES AND TECHNOLOGIES (ITWCCST 2022). 26- 29 OCTOBER 2022. BAKU AZERBAIJAN		
24	Methodical approaches for studying the physiological role of antioxidants	printed	International scientific conference dedicated to the 90th anniversary of the birth of academician Givi Tsintsadze "Chemistry- achievements and perspectives" collection of scientific theses 2023. p. 171	2	N. gelovani I.Gvelesiani L.Lomaia D. Ghughunishvili L. Targamadze

List of Darejan Ghugunishvili's works
I confirm the Department of Pharmacy
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T.Tsintsadze