

List of Scientific and Educational-methodical Works

Ekaterina Chkhaidze

(Name, Surname)

(2000-2023 Year)

N	Title of scientific works	printed or handwritten	Publisher magazine (issue, year) or copyright certificate number	Number of pages	Surnames of authors/co-authors
1	Study of biodegradation of polyamidoethers and polyetherurethanes containing a side carboxyl in tests <i>in vitro</i>	printed	Third Republican Scientific-Methodological Conference in Chemistry, Tbilisi 9-12 October, 2000 (Chemical of Georgia society).	pp.57	T. Kartvelishvili, M. Samkharadze, M. Machaidze, T. Kviria, N. Keadze, N. Zavrashvili E. Chkhaidze
2	Unsaturated bonds containing Biodegradable polyetheramides	printed	Fourth republican scientific-methodological conference in chemistry, Tbilisi 29-31, October, 2002 (Chemical of Georgia society).	pp. 38-39	N. Mazanashvili E. Chkhaidze R. Katsarava
3	Unsaturated bonds containing Biodegradable polyetheramides in the main chain and Functional polymers on their basis	printed	Fourth Republican Conference of Young Chemists, 1-3 July, 2003, Tbilisi (Chemical Society of Georgia).	pp. 14-15	E. Chkhaidze
4	Synthesis of unsaturated Biodegradable co-polyetheramides and their polymeranalogues transformations	printed	Fifth Republican Conference in Chemistry, Tbilisi, 28-30 October, 2004	pp. 53	E. Chkhaidze N. Neparidze R. Katsarava
5	Synthesis and characterization of novel biodegradable unsaturated poly(ester amide)s	printed	Journal of Polymer Science, Part A: Polymer Chemistry February 15, 2005 (IF)	pp. 27-33	K. Guo C.C. Chu E. Chkhaidze R. Katsarava
6	NON-TRADITIONAL MACROMOLECULAR SYSTEMS COMPOSED OF α -AMINO ACIDS	printed	Yerevan Institute „Plastpolymer“, New Polymer systems for Biotechnological and Biomedical Applicatios, Yerevan, Republic of Armenia, July 12-14, 2005	pp. 66-74	R. Katsarava G. Jokhadze E. Chkhaidze N. Neparidze N. Zavrashvili
7	Polymeranalogue transformations of Biodegradable unsaturated polyetheramides	printed	VI Republic Scientific conference of Chemists of Georgia, December 13-14, 2005, Tbilisi.	pp. 55	E. Chkhaidze R. jikia

8	Insoluble methacryloyl hydrogels of dextran and new unsaturated copolyetheramide on the basis of them	printed	VI Republic Scientific conference of Chemists of Georgia, December 13-14, 2005, Tbilisi.	pp. 55-56	M. Kharabadze E. Chkhaidze K. Khukhashvili
9	New, amino acid based unsaturated biodegradable poly(ester amide)s with double bond moieties in the backbones	printed	Proceedings of the International symposium „Polycondensation-2006“, 27-30 August, 2006, Istanbul, Turkey.	pp. 54-55	R. Katsarava, Z. Gomurashvili E. Chkhaidze N. Zavrashvili N. Mazanashvili N. Mchedlishvili D. Tugushi M. Gverdtsiteli
10	Study of controlled drug release from Biodegradable polyetheramide matrix <i>in vitro</i> tests	printed	Iv. Javakhishvili house Proceedings of Tbilisi State University, 361, 2006	pp. 72-77	T. Memanishvili, T. kviria G. Tsitlanadze E. Chkhaidze D. Tugushi R. Katsarava
11	Enzyme catalyzed <i>in vitro</i> hydrolysis (biodegradation) study of α -amino acid based non-conventional macromolecular substrates.	printed	International conference „Plant and microbial enzymes: isolation, characterization and biotechnology applications“ Tbilisi, Georgia, July 2-5, 2007	pp. 8-11	R. Katsarava T. Kviria G. Jokhadze E. Chkhaidze N. Zavrashvili
12	Biodegradable Unsaturated polyesteramides based on fumaric acid - synthesis and transformations	printed	Iv. Javakhishvili Tbilisi State University, International Conference, „Compounds and materials with specific properties Based on natural resources of production waste and secondary raw materials. Modern Chemical Compounds and Technologies“, September 18-19, Tbilisi, 2008.	pp. 40-41	E. Chkhaidze R. Katsarava
13	Unsaturated Biodegradable polyesteramide on the basis of fumaric acid, L-leucine and 1,6-hexanediol	printed	Proceedings of STU, 2008, 1, 467	pp. 48-51	E. Chkhaidze D. Kharadze N. Neparidze, L. Kirmelashvili
14	Insoluble methacryloyl hydrogels based on Dextran and unsaturated polyether-amide and oligoamido ethers (thermal conjugation)	printed	Chemical Journal of Georgia. 2008, 8, 1	pp. 33-35	M. Kharabadze N. Chichinadze E. Chkhaidze N. Mumladze N. Nadirashvili R. Katsarava
15	Biodegradable Hydrogels Based on methacryloyl dextran and unsaturated co-polyetheramides and polyamide (photochemical conjugation)	printed	Chemical Journal of Georgia. 2008, 8, 1	pp. 29-32	M. Kharabadze N. Chichinadze E. Chkhaidze N. Zavrashvili G. Jokhadze R. Gaprindashvili R. Katsarava

16	UNSATURATED BIODEGRADABLE POLY(ESTER-AMIDE)S COMPOSED OF FUMARIC ACID,L-LEUCINE/L-PHENYLALANINE AND α,ω -ALKYLENE DIOLS	printed	Symposium in Organic Chemistry. Signaghi, 16 October, 2009	pp. 84-85	E. Chkhaidze D. Kharadze D. Tugushi R. Katsarava
17	Synthesis of Biodegradable unsaturated polyesteramides based on fumaric acid and their chemical transformations	printed	International Proceedings of the scientific-technical conference, „New technologies in modern industry“, STU Works, Tbilisi 2010	pp. 109-110	E. Chkhaidze R. Katsarava
18	Synthesis of Unsaturated biodegradable polyesteramides	printed	GEORGIAN NATIONAL SCIENTIFIC FAUNTADION IVANEJAVAKHISHVILI STATEUNIVERSITY, CHEMICALSOCIETY OF GEORGIA, INTERNATIONAL CONFERENCE, „COMPOUNDS AND MATERIALS WITH SPRCIFIC PROPERTIES BASED ON INDUSTRIAL WASTE, SECONDARY AND NATURALRECOURSES“, 15-16 JULY,TBILISI, 2010.	pp.56-59	E. Chkhaidze R. Katsarava
19	BIODEGRADABLE UNSATURATED POLY(ESTER-AMIDE)S ANDA SYSTEMATIC STUDY OF THE SYNTHESIS OF SOLUBLE POLYMERS	printed	GEORGIAN NATIONAL SCIENTIFIC FAUNTADION IVANEJAVAKHISHVILI STATEUNIVERSITY, CHEMICALSOCIETY OF GEORGIA, INTERNATIONAL CONFERENCE, „COMPOUNDS AND MATERIALS WITH SPRCIFIC PROPERTIES BASED ON INDUSTRIAL WASTE, SECONDARY AND NATURALRECOURSES“, 15-16 JULY,TBILISI, 2010.	pp. 59-60	E. Chkhaidze R. Katsarava
20	New Unsaturated Biodegradable Poly(ester amide)s Composed of Fumaric Acid, L-leucine and α,ω -Alkylene Diols	printed	Journal of Macromolecular Science, Part A:Pure and Applied Chemistry (2011) 48, 544-555. (IF)	pp. 544-555	E. Chkhaidze D.Tugushi D. Kharadze Z. Gomurashvili C.C. Chu R. Katsarava
21	Unsaturated Biodegradable Poly(ester amide)s and Their Chemical Transformations	printed	Third International Caucasian Symposium on Polymes&Advanced Materials, 2013, Tbilisi, Georgia	p. 18	E. Chkhaidze
22	Sewing Photochemical UV Irradiation of Unsaturated poly(ester amide)s	printed	3rd International Conference „Nanotechnologies“, October 20-24, 2014, Tbilisi, Georgia	p. 26	E. Chkhaidze

23	Unsaturated Biodegradable Poly(ester amide)s and Their Enzyme Catalyzed in vitro Biodegradation	printed	4th International Caucasian Symposium on Polymers and Advanced Materials, 1-4 July, 2015, Batumi, Georgia	p. 26	E. Chkhaidze
24	Reactions of Chemical Transformation of Unsaturated Copolyesteramide	printed	Journal of Technical Science & Technologies, International Black Sea University, 2015, 4, 2, Tbilisi, Georgia	pp. 23-26	E. Chkhaidze N. Neparidze M. Siradze T. Loladze
25	Research of thermal properties of biodegradable copolyesteramides containing n-alkyl groups in the side chain	printed	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES, Chemistry series, 2015, №. 41, N3, (IF)	pp. 215-226	N. Neparidze, E. Chkhaidze V. Tabidze M. Siradze D. Kharadze R. Katsarava
26	Synthesis of unsaturated bonds containing biodegradable polyesteramides and Research of their thermal mechanical properties	printed	Chemical Journal of Georgia. 2015, 15, 2	pp.48-56	E. Chkhaidze N. Neparidze G. Chumburidze M. Siradze D. Kharadze R. Katsarava
27	Production of sunflower flour	printed	Chemical Journal of Georgia. 2015, 15, 2	pp.94-95	M. Siradze E. Chkhaidze N. Neparidze I. Goksadze
28	Methods for measuring alkali content in solutions	printed	Chemical Journal of Georgia. 2015, 15, 2	pp.28-29	M. Siradze E. Chkhaidze N. Neparidze, I. Goksadze
29	Stationary catalyst for hydrogenation of cottonseed oil	printed	Engineering news of Georgia, 2015, 76, 4	pp.117-119	M. Siradze E. Chkhaidze N. Neparidze, I. Goksadze O. Diogidze
30	Interfacial activity of accompanying substances of cottonseed oils	printed	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES, Chemistry series, 2015, №. 41, N4, (IF)	pp. 366-369	M. Siradze E. Chkhaidze N. Neparidze, I. Goksadze V. Tvaliashvili O. Diogidze
31	Synthesis of Unsaturated Biodegradable Poly(ester amide)s and Study of Their Thermal and Mechanical Properties	printed	5th International Conference of Young Scientists, September 18-21, 2016, Tbilisi, Georgia	pp. 132-133	E. Chkhaidze
32	Characterization and Properties of Polyesteramides Containing Long-chain n-alkyl Substituents	printed	Journal of Technical Science & Technologies, International Black Sea University, 2016, 54, 1, Tbilisi, Georgia	pp. 29-33	N. Neparidze E. Chkhaidze M. Siradze T. Loladze
33	Unsaturated Bond-Containing Heterochain Polymers	printed	Fifth Caucasian International Symposium on Polymer and Advanced Materials, 2-5 July, 2017, Tbilisi, Georgia	pp. 61	E. Chkhaidze D. Kharadze

34	Unsaturated bonds containing Polymers, their synthesis, properties and use	printed	Monograph Uak 541.6:678.7, ISBN 978-9941-20-853-9, 2017 year	pp. 3-51	E. Chkhaidze N. Neparidze D. Kharadze
35	Synthesis of Unsaturated Biodegradable Poly(ester amide)s and Study of Their Thermal and Mechanical Properties	printed	Journal of Applied Chemistry and Chemical Engineering, Experimental Techniques and Methodical Developments, Volume 4, January 2018 (IF)	pp. 3-16	E. Chkhaidze D. Kharadze
36	Unsaturated Bond - Containing Heterochain Polymers for Biomedical Use	printed	Journal of Physical Chemistry for Engineering and Applied Sciences, Theoretical and Methodological Implications, Part II: Polymer Science and Engineering, July 2018 (IF)	pp. 115-145	E. Chkhaidze N. Neparidze D. Kharadze
37	Unsaturated Biodegradable Poly(Ester Amide) Composed of Fumaric Acid, L-Leucine, and 1,6- Hexanediol	printed	Journal of Physical Chemistry for Chemists and Chemical Engineers, Multidisciplinary Research Perspectives, Part I: Bioscience and Technology, August 2018 (IF)	pp. 3-11	E. Chkhaidze D. Kharadze
38	New, α -Amino acid based Unsaturated poly(esteramide)s	printed	International Mini Symposium on Bioactive Compounds, Antimicrobial and Biomedical Products & Materials for Protection of Human and Environment, 4-5 May, 2018, Tbilisi, Georgia	pp. 31-32	E. Chkhaidze
39	Synthesis of amino acid based unsaturated biodegradable poly(ester amide)s with double bond moieties in the backbones	printed	5th International Conference "Nanotechnologies", November 19 - 22, 2018, Tbilisi, Georgia	p. 35	E. Chkhaidze
40	Synthesis of amino acid based unsaturated biodegradable poly(ester amide)s with double bond moieties in the backbones and Functional polymers based on them	printed	6 th International Symposium on Polymers and Advanced Materials, 17-20 July, 2019 Batumi, Georgia	p. 27	E. Chkhaidze
41	Functional polymers in chemical research and technology	printed	Lecture Course (Uak 541.6), ISBN 978-9941-28-616-2 (PDF: CD 541.6 183), 2020 year	p. 3-265	N. Neparidze E. Chkhaidze G. Jokhadze
42	Synthesis of Biomimetic Polymers Based on Nonproteogenic α -Amino Acids	printed	7 th International Symposium on Polymers and Advanced Materials, 27-30 July, 2021 Tbilisi, Georgia	p. 108	N. Zavrashvili, G. Otinashvili, D. Tugushi, Teng. Kantaria, Tem. Kantaria, N. Kupatadze, E. Chkhaidze, N. Neparidze, A. Saghyan, A. Mkrtchyan,

					A.Poghosyan, R.Katsarava.
43	Synthesis of Pseudoproteins Based on Nonproteinogenic α -Amino Acids	printed	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES, Polymer Chemistry, 2021 (IF) .	vol. 15, no. 3, pp. 41-47	N. Zavrashvili, G. Otinashvili, D. Tugushi, Teng. Kantaria, Tem. Kantaria, N. Kupatadze, E. Chkhaidze, N. Neparidze, A. Saghyan, A. Mkrtchyan, A.Poghosyan, R. Katsarava.
44	HYBRID BIOMIMETIC POLYCATIONS CONTAINING PROTEINOGENIC AND NON-PROTEINOGENIC α -AMINO ACIDS	printed	XI International Scientific-Technical Conference „Advance in Petroleum and Gas Industry and Petrochemistry“ (APGIP-11), 2022	pp. 271-272	N. Zavrashvili, G. Otinashvili, D. Tugushi, T. Kantaria, T. Kantaria, N. Kupatadze, E. Chkhaidze, N. Neparidze, A. Saghyan, A. Mkrtchyan, A. Poghosyan, R. Katsarava
45	PSEUDO-PROTEINS – ARTIFICIAL BIODEGRADABLE POLYMERS FOR VERSATILE BIOMEDICAL APPLICATIONS	printed	International Conference on Global Practice of Multidisciplinary Scientific Studies Dedicated to the 100 th Anniversary of „Georgian Technical University – GTU“ – CONGRESS 2022	pp. 391-403	N. Zavrashvili, N. Kutsiava, E. Chkhaidze, N. Neparidze, G. Jokhadze, N. Keadze, N. Ochkhikidze D. Tugushi, R. Katsarava
46	Study of the process of countercurrent extraction of vegetable oils via mathematical modeling	printed	“Advanced materials and composites, new research on properties”, techniques, and Applicationt, Taylor&Francis Group (CRC Press and Apple Academic Press), 2023 (IF)	pp. 341-346	M. Siradze, I. Berdzenishvili, E. Chkhaidze, G. Antia
47	Tenzosensitive Properties of Electrically Polymer Composites	printed	“Polymeric Materials for Corrosion Control”, Taylor & Francis Group (CRC Press and Apple Academic Press), 2023 (IF)	pp. 203-208	I. Berdzenishvili, M. Siradze, E. Chkhaidze, G. Antia

48	HIGHLY CHARGED BIODEGRADABLE CATIONIC POLYMERS: SYNTHESIS AND BIOLOGICAL ASSESSMENT	printed	2th International Scientific Conference on Chemical&Technological Aspects of Biopolymers, Batumi, Georgia, 2023	pp. 18-19	N. Zavrashvili, N. Kupatadze, D. Tugushi, E. Chkhaidze, N. Neparidze, N. Medzmariashvili, C. Sarisozen, V. P. Torchilin R. Katsarava
----	---	---------	---	-----------	--