

# Lela Amiranashvili

## Personal information

## Contact Details

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Full name: Lela Amiranashvili

Call number: 577 72 31 44

Gender: Female

Country: საქართველო (Georgia)

Date of birth: 07.11.1961

City: Tbilisi

Citizenship: საქართველო (Georgia)

Address: Mukhiani district 1, 5th build, fl. 60, Tbilisi , Georgia

## Languages

Language	Writing	Reading	Speaking
English	B2	B2	B2
Russian	C2	C2	C2
ქართული (Georgian)	C2	C2	C2

## Education

### Academic degree

Academic Degree: Doctoral/PhD, Ed.D or other equivalent

Year obtained: 17.04.1991

### Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	Ivane Javakhishvili Tbilisi state university	საქართველო (Georgia)	Organic chemistry	1985	1989
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Ivane Javakhishvili Tbilisi state university	საქართველო (Georgia)	Organic chemistry	1978	1984

## Projects

### Completed projects

Project title	Position	Project head	Start Date	End Date	Donor
Development of modern II stage wound healing preparations on the basis of novel plant biopolymer	Research-Scientist	Vakhtang Barbaqadze	02.04.2012	02.04.2014	Shota Rustaveli National Science Foundation. AR/109/8-403/11
Biopolymer from <i>S. asperum</i> and <i>S.caucasicum</i> and its synthetic analogs: prospective wound-healing agents	Scientist-Researcher	Vakhtang Barbaqadze	07.04.2009	07.04.2011	Shota Rustaveli National Science Foundation. Grant N GNSF/ST 08/6-469
A new polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>S. asperum</i> and <i>S.caucasicum</i> and its synthetic monomer: prospective cancer preventive and anti-cancer compounds	Scientist-Researcher	Vakhtang Barbaqadze	01.06.2007	01.07.2008	Georgian Research and Development Foundation (GRDF) and U.S. Civilian Research & Development foundation (CRDF). Grant N GEB2-3344-TB-06

## Scientific Fields (2018-2020)

### Main Field

Field: 1. Natural sciences

Sub-Field: 1.4 Chemical sciences

Subject area: 1.4.1 Organic chemistry

### Additional Field (1)

Field: 1. Natural sciences

Sub-Field: 1.4 Chemical sciences

### Additional Field (2)

Field: 1. Natural sciences

Sub-Field: 1.4 Chemical sciences

## Scientific Fields (2021-2024)

### Main Field

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.5 Synthetic Chemistry and Materials

Subject area: 1.5.15 Polymer chemistry

### Additional Field (1)

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.5 Synthetic Chemistry and Materials

Subject area: 1.5.15 Polymer chemistry

### Additional Field (2)

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.5 Synthetic Chemistry and Materials

Subject area: 1.5.18 Medicinal chemistry

## Employment History

### Current place(s) of employment

Workplace	Name of the work department	Position	Main responsibilities	Start Date
LEPL TSMU I.Kutateladze Institute of Pharmacochemistry	Department of plant Biopolymers and chemical modification of Natural compounds	Senior Researcher Scientist	Isolation of biologically active compounds from plants, their study, characterization and chemical synthesis of analogues	11.09.2023

### Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
LEPL Tbilisi State Medical University Iovel Kutateladze Institute of Pharmacochemistry	Department of plant Biopolymers and chemical modification of Natural compounds	Researcher Scientist	Study of biologically active biopolymers and low molecular compounds of medicinal plants spread in Georgia and synthesis of their related compounds	01.08.2018	დღემდე

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
Iovel Kutateladze Institute of Pharmacology of Tbilisi State Medical University	Department of plant Biopolymers and chemical modification of Natural compounds	Researcher Scientist	Study of biologically active biopolymers and low molecular compounds of medicinal plants spread in Georgia and synthesis of their related compounds	08.09.2014	01.08.2018
NAPR Tbilisi State Medical University Kutateladze Institute of Pharmacology	Laboratory of Plant Biopolymers	Researcher - scientist	Study of biologically active biopolymers and low-molecular compounds of medicinal plants spread in Georgia	01.02.2012	08.09.2014
I. Kutateladze Institute of Pharmacology	Laboratory of Plant Biopolymers	Researcher scientist	Study of biologically active biopolymers of medicinal plants spread in Georgia and synthesis of their related compounds	30.10.2009	01.02.2012
LEPL I.Kutateladze Institute of Pharmacology	Laboratory of Plant Biopolymers	Researcher scientist	Study of biologically active polymers of medicinal plants spread in Georgia	31.10.2006	30.10.2009
I.Kutateladze Institute of Pharmacology of Academy of Sciences of the Soviet Republic of Georgia	Department of synthesis of hormonal compounds	Researcher scientist	Organic synthesis of steroidal compounds	01.12.1990	31.10.2006
I.Kutateladze Institute of Pharmacology of Academy of Sciences of the Soviet Republic of Georgia	Department of synthesis of hormonal compounds	Junior researcher scientist	Organic synthesis of steroidal compounds	16.01.1989	01.12.1990
Moscow D. Mendeleev Institute of Chemical Technology, department of organic chemistry graduate student	Faculty of chemistry, Department of organic chemistry, postgraduate study	postgraduate student	Synthesis of potential biologically active steroidal compounds	26.11.1985	26.12.1988
I.Kutateladze Institute of Pharmacology of Academy of Sciences of the Soviet Republic of Georgia	Department of synthesis of hormonal compounds	laboratory assistant	Synthesis of steroidal compounds	04.02.1985	20.11.1985
I.Kutateladze Institute of Pharmacology of Academy of Sciences of the Soviet Republic of Georgia	Department Nuclear-magnetic resonance spectroscopy	laboratory assistant	Structural research of natural and synthetic compounds using NMR- and IR-spectroscopic methods	03.10.1984	02.04.1985

## Scientific Productivity

### Patents

Patent name	Issuing organization	Registration number	Year of Issue
Sum of high-molecular compounds of Comfrey roots of and its use for treatment	National Intellectual Property Center of Georgia "Sakpatenti"	p 5391	2012

### Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	V. Barbakadze, M. Merlani, L. Gogilashvili, L. Amiranashvili, A. Petrou, A. Geronikaki, A. C. Iric', J. Glamoc'lija, M. Sokovic	Antimicrobial Activity of Catechol-Containing Biopolymer Poly[3-(3,4-dihydroxyphenyl)glyceric Acid] from Different Medicinal Plants of Boraginaceae Family	Antibiotics, 12, 285	2023
Article	M. Merlani, N. Nadaraia, L. Amiranashvili, A. Petrou, A. Geronikaki, A. Ciric, J. Glamoc'lija, T. Carevic, M. Sokovic	Antimicrobial Activity of Some Steroidal Hydrazones	Molecules, 28, 1167	2023
Article	M. Merlani, D.M. Scheibel, V. Barbakadze, L. Gogilashvili, L. Amiranashvili, A. Geronikaki, V. Catania, D. Schillaci, G. Gallo, I. Gitsov	Enzymatic synthesis and antimicrobial activity of oligomer analogues of medicinal biopolymers from comfrey and other species of the boraginaceae family	Pharmaceutics	2022

Type	Authors	Publication title	Source title	Year
Article	M. Merlani, V. Barbakadze, L. Amiranashvili, L. Gogilashvili, A. Petrou, A. Geronikaki, A. Ćirić, J. Glamočlija, M. Soković	Caffeic and 3-(3,4-dihydroxyphenyl)glyceric acid derivatives as antimicrobial agent: biological evaluation and molecular docking studies	Sar and Qsar in Environmental Research , vol. 33, no. 4, 307–321	2022
Article	V.Barbakadze, L. Gogilashvili, L.Amiranashvili, M.Merlani, Sh. Ping Li, B. Chankvetadze	Fractionation of biologically active Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] preparation from <i>Symphytum asperum</i> Using HPSEC-MALLS-RID and membrane ultrafiltration methods	Bull. Georg. Natl. Acad. Sci. V.15, N2, p. 114-119	2021
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, M. Churadze, A. Salgado, B. Chankvetade	Carbohydrate-Based biopolymers: biologically active Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] from <i>Borago officinalis</i>	Bull. Georg. Natl. Acad. Sci. V. 15, N 4, p. 140-145	2021
Article	V.Barbakadze, L. Gogilashvili, L.Amiranashvili, M.Merlani, Sh. Ping Li, B. Chankvetadze	Fractionation of Biologically Active Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] Preparation from <i>Symphytum asperum</i> , Simultaneous Determination of Molecular Weights and Contents of its Fractions Using HPSEC-MALLS-RID	Bull. Georg. Natl. Acad. Sci. v. 15, N. 1, p. 69-75	2021
Article	L. Amiranashvili, N. Nadaraia, M. Merlani, C. Kamoutsis, A. Petrou, A. Geronikaki, P. Pogodin, D. Druzhilovskiy, V. Poroikov , A. Ćiric, J. Glamočlija, M. Sokovic	Antimicrobial Activity of Nitrogen-Containing 5-Alpha-androstane Derivatives: In Silico and Experimental Studies	Antibiotics, 9 (5), 224	2020
Article	L. Gogilashvili, L.Amiranashvili, M.Merlani, A.Salgado, B. Chankvetadze, V.Barbakadze	Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] from <i>Cynoglossum officinale</i> L. (Boraginaceae)	Bull. Georg. Natl. Acad. Sci. , V. 14, N. 1, p. 108-112	2020
Article	N. Sh. Nadaraia, L. Sh. Amiranashvili, M. Merlani, M. L. Kakhbrishvili, N. N. Barbakadze, A. Geronikaki, A. Petrou, V. Poroikov, A. Ćiric	Novel antimicrobial agents' discovery among the steroid derivatives	Steroids, 144:52-65	2019
Article	M. Merlani, V. Barbakadze, L. Amiranashvili, L. Gogilashvili, V. Poroikov, A. Geronikaki, A. Petrou, A. Ćiric, J. Glamoclija, M. Sokovic	Synthesis and antimicrobial activity of some caffeic acid derivatives	Current topics in medicinal chemistry , 19 (4): 292-304	2019
Monograph	E. P. Kemertelidze., M.M. Benidze, A.B.Skhirtladze, N.Sh.Nadaraia, ,M.I.Merlani, L.Sh.Amiranashvili	Synthesis of steroidal hormonal preparations on the basis of tigogenin from <i>Yucca gloriosa</i> L, introduced in Geogia and studing of the chemical composition of the plant	Georgian national Academy press	2018
Article	M.Merlani, V.Barbakadze, L.Gogilashvili, L.Amiranashvili	Synthesis of New Dihydroxylated Derivatives of Ferulic and Isoferulic Acids	Bull. Georg. Natl. Acad. Sci.	2018
Article	S.Gokadze, L. Gogilashvili, L.Amiranashvili,V.Barbakadze, M. Merlani, A.Bakuridze, A. Salgado, B. Chankvetadze	Investigation of Water-Soluble High Molecular Preparation of <i>Symphytum grandiflorum</i> DC (Boraginaceae).	Bulletin of the Georgian National Academy of Sciences, V. 11, N 1, P. 115-121	2017
Article	M.Merlani, V.Barbakadze, L.Gogilashvili, L.Amiranashvili	Antioxidant Activity of Caffeic Acid-Derived Polymer from <i>Anchusa italica</i>	Bulletin of the Georgian National Academy of Sciences, V. 11, N 2, P. 123-127	2017
Article	N.Sh.Nadaraia, L.Sh.Amiranashvili, M.I.Merlani	Stucture-activity relationship of epimeric 3,17-substituted amino alcohols of 5 $\alpha$ -androstane	Chemistry of natural compounds, V. 52, No 5, p. 961–962	2016
Article	L. Amiranashvili, L. Gogilashvili, S. Gokadze, M. Merlani, V. Barbakadze, B.Chankvetadze	UHPLC-Q-TOF/MS Characterisation of Several Compounds from the Roots and Stems Extracts of <i>Symphytum Asperum</i>	Bulletin of the Georgian National Academy of Sciences	2016
Article	K.Mulkijanyan, V.Barbakadze, M.Merlani, L.Gogilashvili, L.Amiranashvili, Zh.Novikova, M.Sulakvelidze	Plant Biopolymers from Boraginaceae Family Species and their Synthetic Derivatives: Prospective Pharmacological Agents	Clin. Exp. Pharmacol., V. 5, N 4, p. 46	2015
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, K. Mulkijanyan	Biologically Active Caffeic Acid-Derived Biopolymer	International Journal of Biological, Biomolecular, Agricultural, Food and Biotechnological Engineering, V. 8, N 7, P. 803-806	2014

Type	Authors	Publication title	Source title	Year
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, K. Mulkijanyan.	Novel Biologically Active Phenolic Polymers from Different Species of Genera Symphytum and Anchusa (Boraginaceae)	J. Chem. Eng. Chem. Res. V. 1, N 1, p. 47-53.	2014
Article	M. I. Merlani, L. Sh. Amiranashvili, E. P. Kemertelidze	Synthesis of several 5 $\alpha$ – D-homosteroid derivatives based on tigogenine	Chemistry of Natural Compounds, V. 50, No. 3	2014
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, K. Mulkijanyan	Poly[3-(3,4-dihydroxyphenyl)Glyceric Acid] with Potential Therapeutic Effect	International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, V. 8, No 11, p. 1250-1253.	2014
Article	S.Gokadze, V.Barbakadze, L.Gogilashvili, L.Amiranashvili, A.Bakuradze.	Development of technology for the substance of Poly[3-(3, 4-dihydroxyphenyl) glyceric acid] from Symphytum asperum. Georgian Med. News	Georgian Medical News, V.218, p.72-77	2013
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, K. Mulkijanyan, S. Gokadze, Y. Wang, J. Hoang, I. Rustamov	HPLC Analysis of Poly[3-(3,4-Dihydroxyphenyl) glyceric acid] Preparations from Symphytum asperum and Anchusa italica (Boraginaceae) Using Different Gel-Filtration Columns	Bulletin of the Georgian National Academy of Sciences v. 7, N 1	2013
Article	V.Barbakadze, L.Gogilashvili, L.Amiranashvili, M.Merlani, K. Mulkijanyan, A.Salgado, B.Chankvetadze	Novel biologically active dihydroxycinnamate-derived polyether from different species of family Boraginaceae	Bulletin of the Georgian National Academy of Sciences, V. 7, N 2, P. 136-142	2013
Article	V.Barbakadze, M.Merlani, L.Amiranashvili, L.Gogilashvili, K.Mulkijanyan	Study of Poly[Oxy-1-Carboxy-2-(3,4-Dihydroxyphenyl)Ethylene] From Symphytum asperum, S.caucasicum, S.officinale, Anchusa italica by Circular Dichroism	Bulletin of the Georgian National Academy of Sciences, V. 6, N 1, 143-146	2012
Article	S. Shrotriya, G.Deep, K. Ramasamy, V. Barbakadze, M. Merlani, L. Gogilashvili, L. Amiranashvili, K.Mulkijanyan, K. Papadopoulos, C. Agarwal, R. Agarwal	Poly[3-(3, 4-dihydroxyphenyl) glyceric acid] from comfrey exerts anti-cancer efficacy against human prostate cancer via targeting androgen receptor, cell cycle arrest and apoptosis	Carcinogenesis, V. 33, N 8, p. 1572-1580	2012
Article	M.Merlani, V.Barbakadze, L.Amiranashvili, L.Gogilashvili, K.Mulkijanyan	Synthesis of some caffeic and 2,3-dihydroxy-3-(3,4-dihydroxyphenyl)-propanoic acids amides	Bulletin of the Georgian National Academy of Sciences, V. 5, N 3, P. 107-111	2011
Article	V. V. Barbakadze, K. G. Mulkidzhanyan, M. I. Merlani, L. M. Gogilashvili, L. Sh. Amiranashvili, I. and E. K. Shaburishvili	Extraction, composition and the antioxidant and anticomplement activities of high molecular weight fractions from the leaves of symphytum asperum and s. caucasicum	Pharmaceutical Chemical Journal, № 44(11), 604-607	2011
Article	V.Barbakadze, L.Gogilashvili, L. Amiranashvili, M. Merlani, K. Mulkijanyan	Spectrophotometric quantitative determination of poly[3-(3,4-dihydroxyphenyl)glyceric acid]	Bulletin of the Georgian National Academy of Sciences, V. 4, N 3, P. 123-126	2010
Article	V.Barbakadze, L.Gogilashvili, L.Amiranashvili, M.Merlani, K.Mulkijanyan, M.Churadze, A.Salgado, B.Chankvetadze	Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from Anchusa italica roots	Natural Product Communications V. 5, N 7, P.1091-1095	2010
Article	M.Merlani, V.Barbakadze, L.Amiranashvili, L.Gogilashvili, E.Yannakopoulou, K.Papadopoulos, B.Chankvetadze	Enantioselective synthesis and antioxidant activity of 3-(3,4-dihydroxyphenyl)-glyceric acid - Basic monomeric moiety of a biologically active polyether from Symphytum asperum and S. caucasicum	Chirality, V. 22, N 8, P. 717-725	2010
Article	M. I. Merlani, L. Sh. Amiranashvili, K. G. Mulkidzhanyan and E. P. Kemertelidze	Synthesis and antimicrobial activity of some steroidal derivatives of tigogenin	Chemistry of Natural Compounds, v. 45, N 3, p. 389-392	2009
Article	V.Barbakadze, K.Mulkijanyan, L.Gogilashvili, L.Amiranashvili, M.Merlani, Zh. Novikova, M.Sulakvelidze	Allantoin- and pyrrolizidine alkaloids-free wound healing compositions from Symphytum asperum	Bulletin of the Georgian National Academy of Sciences, V. 3, N 1, P. 159-164	2009
Article	M. I. Merlani, L. Sh. Amiranashvili, K. G. Mulkidzhanyan, A. R. Shelar	Synthesis and antitumor activity of some 5 $\alpha$ -steroid derivatives	Chemistry of Natural Compounds, v. 44, N 6, p. 819-820	2008

Type	Authors	Publication title	Source title	Year
Article	M. I. Merlani, L. Sh. Amiranashvili, K. G. Mulkidzhanyan, A. R. Shelar, F. V. Manvi	Synthesis and antituberculosis activity of certain steroidal derivatives of the 5 $\alpha$ -series	Chem. Nat. Compds. v. 44, N 5, p. 618-620	2008
Article	M. Merlani, V. Barbakadze, L. Gogilashvili, L. Amiranashvili, K. Mulkiyanan, E. Yannakopoulou, K. Papadopoulos, D. Christodouleas	Synthesis and antioxidant activity of 3-(3,4-dihydroxyphenyl)glyceric acid, monomer of a biologically active polyether isolated from <i>Symphytum asperum</i> and <i>S. caucasicum</i>	Planta Medica, V. 74, N 9, P. 1167-1168	2008
Article	L. Gogilashvili, L. Amiranashvili, V. Barbakadze, M. Merlani, K. Mulkiyanan, E. Shaburishvili.	Obtaining of toxic pyrrolizidine alkaloid-free biologically active high molecular preparations of <i>Symphytum asperum</i> and <i>S. caucasicum</i> .	Bulletin of the Georgian National Academy of Sciences, V. 2, N 2, P. 85-89	2008
Article	V. Barbakadze, K. Mulkiyanan, M. Merlani, L. Gogilashvili, L. Amiranashvili, F. Vidal-Vanaclocha	Effects of poly[3-(3,4-dihydroxyphenyl)glyceric acid] on the inflammatory response of tumor-activated hepatic sinusoidal endothelium	Bulletin of the Georgian National Academy of Sciences, V. 2, N 3, P. 108-112	2008
Article	M. I. Merlani, L. Sh. Amiranashvili, K. G. Mulkidzhanyan, A. R. Shelar, F. V. Manvi	Synthesis and antituberculosis activity of certain steroidal derivatives of the 5 $\alpha$ -series	Chemistry of Natural Compounds., v. 44, N 5, p. 618-620	2008
Article	M. I. Merlani, L. Sh. Amiranashvili, N. I. Men'shova, E. P. Kemertelidze	Synthesis of 5 $\alpha$ -androstan-3 $\beta$ ,17 $\beta$ -diol from tigogenin	Chemistry of Natural Compounds, vol. 43, No 1, p. 97-99	2007
Article	V. Barbakadze, K. Mulkiyanan, M. Merlani, L. Gogilashvili, L. Amiranashvili	Structure of glucofructan from bulbs of <i>Galanthus platyphyllus</i> Traub et Moldenke (Amaryllidaceae)	Bull. Georg. Natl. Acad. Sci., v. 175, N 2, p. 86-88	2007

#### Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
International Scientific Conference "Chemistry-Achievements and Prospects", p.149	Low molecular compounds from different species of Boraginaceae family	Tbilisi, Georgia	2023
III International Scientific and Practical Conference Fundamental and Applied research in the Field of pharmaceutical technology, dedicated to the 100th anniversary of the birthday of D. P. Salo	Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from Medicinal plants of Boraginaceae Family with Therapeutic Efficacy	Kharkiv, Ukraine	2023
International Scientific-Practical Conference : "Georgian Scientific Pharmacy: Past and Present"	Biologically active poly[3-(3,4-dihydroxyphenyl)glyceric acid] from the stems of <i>Para-cy-noglo-s-sum Imeretinum</i> (kush.) m. pop. (Boraginaceae).	Tbilisi, Georgia	2022
International Scientific-Practical Conference : "Georgian Scientific Pharmacy: Past and Present"	Oligomer analogues of biopolymers from Comfrey and other species of the Boraginaceae family: Synthesis and Biological activity	Tbilisi, Georgia	2022
„POLYCHAR-28 World Forum on Advanced Materials“	„Biologically active Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Borago officinalis</i> (Boraginaceae)“	Yerevan, Armenia	2022
7th International Caucasian Symposium on Polymers & Advanced Materials	Sugar-Based Biopolymers: Poly(Sugar Acid Ethers)-Biologically active Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] From Medicinal Plants of Boraginaceae Family	Tbilisi, Georgia	2021
The International Scientific and Practical Symposium: 100 Years of Success and Quality Materials	Carbohydrate-based biopolyethers: Anticancer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from medicinal plants (Boraginaceae)	Kharkiv, Ukraine	2021
10th EurAsian Meeting on Heterocyclic Chemistry	Synthetic analogues of natural biopolymer from Boraginaceae family	Milano Marittima-Cervia, Ravenna (Italy)	2019
10th EurAsian Meeting on Heterocyclic Chemistry	N-containing 5 $\alpha$ -steroids as antimicrobials	Milano Marittima-Cervia, Ravenna (Italy)	2019
Green Medications -By Green Technologies- For Healthy Life	Isolation and Analysis of low molecular compounds from SYMPHYTUM (Boraginaceae)	Tbilisi, Georgia	2019

Scientific event name	Title of the presentation	Event venue	Year
Green Medications -By Green Technologies- For Healthy Life	Caffeic acid derivatives:Synthesis and Antimicrobial activity	Tbilisi, Georgia	2019
10th EurAsian Meeting on Heterocyclic Chemistry	Chemical content of different species of Boragenacea family	Milano Marittima-Cervia, Ravenna (Italy)	2019
6th World Congress on Medicinal Chemistry and Drug Design	Bioactive natural products from Symphytum (Boraginaceae)	Milan, Italy	2017
6th World Congress on Biopolymers	Identification of biologically active compounds from Symphytum (Boraginaceae)	Paris, France	2017
International Scintific Conference on "Modern Researches and Prospects of their Use in Chemistry, Chemical Engineering and Related Fields"	Synthesis and radioprotective properties of some 3,17-aminoandrostanolones	Ureki, Georgia	2016
Third Scientific Conference: Natural and synthetic biologically active compounds	Characterization of some compounds in the roots and stem extracts of Symphytum asperum by UHPLC-Q-TOF / MS	Tbilisi, Georgia	2016
Third Scientific Conference: Natural and synthetic biologically active compounds	Synthesis of biologically active natural poly [3 (3,4-dihydroxyphenyl) -glycerin acid analogues.	Tbilisi, Georgia	2016
3rd International Conference on Pharmaceutical Sciences	Novel biomacromolecule from medicinal plants: prospective therapeutic agent	Tbilisi, Georgia	2015
V International Conference on "The Chemistry of Heterocyclic Compounds. Modern Aspects" CBC2015	Nitrogen containing 5 $\alpha$ -steroidal heterocycles: synthesis and biological activity	Saint Petersburg, Russian Federation	2015
V International Conference on "The Chemistry of Heterocyclic Compounds. Modern Aspects" CBC2015	Synthesis of some D –Homosteroid derivatives on the basis of Tigogenin	Saint Petersburg, Russian Federation	2015
3-rd International Conference on Organic Chemistry: Organic Synthesis - Driving Force of Life Development	Synthesis of a basic Monomeric moiety of Natural Monomer from Comfrey and their comparative Biological activity	Tbilisi, Georgia	2014
8-th Eurasian Meeting of Heterocyclic Chemistry	Synthesis of some D –Homoandrostanes from Tigogenine	Tbilisi, Georgia	2014
3-rd International Conference on Organic Chemistry: Organic Synthesis - Driving Force of Life Development	Synthesis of 16 $\beta$ -Amino, 17 $\beta$ -Hydroxy Derivatives of 5 $\alpha$ -steroids	Tbilisi, Georgia	2014
European Polymer Congress (European polymer Federation- EPF 2013)	Novel biologically active phenolic polymers from different species of genera Symphytum and Anchusa (Boraginaceae)	პიზა, იტალია	2013
Third International Symposium Frontiers in Polymer Science	Novel biologically active caffeic acid-derived polymer from different species of Boraginaceae family	Sitges, Spain	2013
1st European Conference on Natural Products: Research and Applications	Caffeic acid-derived polymer from bugloss (Anchusa italica Retz.)	Frankfurt am Main, Germany	2013
12th International Polymers for Advanced Technologies (PAT) Conference	Novel phenolic polymer as potential therapeutic agent	Berlin, Germany	2013
Republican Second Scientific Conference in Natural and Synthetic Biologically Active compounds	Synthesis of 3-(3,4-dihydroxyphenyl)-glyceric acid derivatives	Tbilisi, Georgia	2013
XXVith International Conference on Polyphenols	Novel biologically active dihydroxycinnamate-derived polyether from different species of Boraginaceae family	Florence, Italy	2012
Second International Conference of of young chemists ICYC-2012	Synthesis of ferulic and izoferulic acid derivatives	Tbilisi, Georgia	2012
XXVth Europian Colloquium on Heterocyclic Chemistry	The synthesis of novel D-homosteroids on the basic of steroidal sapogenin – tigogenin	London, UK	2012
International Conference on Chemistry for Health	Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from Comfrey exerts anti-cancer efficacy against human prostate cancer via targeting androgen receptor, cell cycle arrest and apoptosis	Athens, Greece	2012
Fifth international symposium on the separation and characterization of natural and synthetic macromolecules	Biologically active poly[oxy-1-carboxy-2-(3,4-dihydroxyphenyl)ethylene] from Symphytum Asperum, S.caucasicum and Anchuza Italica	Amsterdam, Netherland	2011

Scientific event name	Title of the presentation	Event venue	Year
Twelfth Tetrahedron Symposium. Challenges in Organic and Bioorganic Chemistry	Enantioselective synthesis of 3-(3,4-dihydroxyphenyl)-glyceric acid via sharpless dihydroxylation of caffeic acid- basic monomeric moieties of a biologically active polyether isolated from <i>Symphytum aserum</i> and <i>S. caucasicum</i>	Sitges, Spain	2011
18th International Symposium on Electro- and Liquid Phase-separation Techniques	Synthesis and enantiomeric separation of methyl-3-(3,4-dimethoxyphenyl)glycidate	Tbilisi, Georgia	2011
18th International Symposium on Electro- and Liquid Phase-separation Techniques	Enantioselective synthesis of 3-(3,4-dihydroxyphenyl)-glyceric acid-Basic monomeric moiety of a biologically active polyether from <i>Symphytum asperum</i> and <i>S. caucasicum</i>	Tbilisi, Georgia	2011
2-nd International Conference on organic chemistry "Advances in Heterocyclic Chemistry"	Synthesis of some caffeic acid derived amides with supposed antioxidant activity	Tbilisi, Georgia	2011
1st International Symposium on Secondary Metabolites. Chemical, Biological and Biotechnological Properties	Synthesis of some caffeic acid derived amides with supposed antioxidant activity	Denizli, Turkey	2011
1st International Symposium on Secondary Metabolites. Chemical, Biological and Biotechnological Properties	Wound-healing agent from <i>Symphytum asperum</i> and <i>S.caucasicum</i> .	Denizli, Turkey	2011
Second International Symposium. Frontiers in Polymer Science	Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Anchusa italica</i> Retz. Second International Symposium	Lyon, France	2011
Oxidants and Antioxidants in Biology. Oxygen Club of California. World Congress.	Enantioselective synthesis and antioxidative activity of 3-(3,4-dihydroxyphenyl)-glyceric acid – basic monomeric moiety of a biologically active polyether from <i>Symphytum asperum</i> and <i>S. caucasicum</i> .	Santa Barbara, California, USA	2010
Oxygen Club of California. World Congress. Santa Barbara, California, USA	Allantoin- and pyrrolizidine alkaloids-free wound healing compositions from Caucasian species of comfrey ( <i>Symphytum L.</i> ). Oxidants and Antioxidants in Biology	Santa Barbara, California, USA	2010
Republican Scientific Conference in Natural and Synthetic Biologically Active Compounds	Allantoin- and pyrrolizidine alkaloids-free wound healing compositions from Caucasian species of comfrey ( <i>Symphytum L.</i> )	Tbilisi, Georgia	2010
Republican Scientific Conference in Natural and Synthetic Biologically Active Compounds	Synthesis and anti-tubercular activity of Isonikotinoilhydrazons of 5 $\alpha$ -ketosteroids	Tbilisi, Georgia	2010
Republican Scientific Conference in Natural and Synthetic Biologically Active Compounds	Synthesis of 5 $\alpha$ -androstane-3 $\beta$ ,17 $\beta$ - diol on the basis of tigogenine	Tbilisi, Georgia	2010
Republican Scientific Conference in Natural and Synthetic Biologically Active Compounds	Enantioselective synthesis and antioxidant activity of 3-(3,4-dihydroxyphenyl)glyceric acid –basic monomeric moiety of a biologically active polyether from <i>Symphytum asperum</i> and <i>S.caucasicum</i>	Tbilisi, Georgia	2010
VIII International conference "Bioantioxidants"	. Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Anchusa italica</i> retz. Roots and antioxidant activity.Tashkent, Uzbekistan, Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Anchusa italica</i> rets. roots and its antioxidative activity.	Moscow	2010
Actual problems of the Chemistry of Natural Compounds. Conference	Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Anchusa italica</i> Retz. roots and its antioxidant activity	Tashkent, Uzbekistan	2010
Actual problems of the Chemistry of Natural Compounds. Conference	Wound healing preparation containing biopolymers from Caucasian species of comfrey ( <i>Symphytum L.</i> )	Tashkent, Uzbekistan	2010
International Symposium Celebrating the 50th Anniversary of the Journal Polymer	Novel anti-cancer polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum asperum</i> and <i>S.caucasicum</i> Frontiers in polymer science	Mainz, Germany	2009
American Association for Cancer Research 100th Annual Meeting	Anti-cancer efficacy of novel polymer from Caucasian species of comfrey and its synthetic monomer against androgen-dependent and -independent human prostate cancer cells	Denver, Colorado, USA	2009
I symposium in organic chemistry	Biopolymer from <i>Symphytum asperum</i> and <i>S.caucasicum</i> , its synthetic analogue and their biological activity	Sighnaghi, Georgia	2009
4th International Conference on oxidative stress in skin Medicine and Biology	Effects of polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] on the inflammatory response of tumor-actyvated hepatic sinusoidal endothelium	Andros, Greece	2008



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