Maia Merlani

Personal information

ID Number:

Full name: Maia Merlani

Gender: Female

Date of birth: 13.06.1963

Citizenship: საქართველო (Georgia)

Contact Details

Email address: m.merlani@tsmu.edu

Call number: 599761117

Country: საქართველო (Georgia)

City: Tbilisi

Address:

Languages

Language	Writing	Reading	Speaking
Russian	C2	C2	C2
English	C1	C1	C1
ქართული (Georgian)	C2	C2	C2

Education

Academic degree

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

Year obtained: 05.12.1990

Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	Javackishvili Tbilisi State University	საქართველო (Georgia)	Organic chemistry	1985	1988
Professional/MD, JD or other equivalent	Georgian Polytechnic Institute		Basic Organic and Petroleum Chemistry - Technology and Synthesis	1980	1985

Projects

Completed projects

Project title	Position	Project head	Start Date	End Date	Donor
Development of functional macromolecular materials	Researcher	Tamaki Nakano	15.11.2018	30.04.2019	Hokkaido University's Research Promotion Fund
Synthesis of Comfrey Biopolymer: chemical and enzymatic approach	Researcher	Maia Merlani	20.01.2018	20.07.2018	Fulbright foundation (USA...
Synthesis of poly[oxy-1-carboxy-2-(3,4-dihydroxyphenyl)ethylene]-synthetic analogue of wound-healing and anticancer natural biopolymer from comfrey	Researcher	Maia Merlani	01.04.2013	01.10.2013	Matsumae International Foundation (Japan)

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.	Researcher	Aliosha Bakuridze	02.04.2012	02.04.2014	Shota Rustaveli Georgian National Scientific Foundation
Investigation of novel prospective wound healing polymeric agents from Caucasian species of Comfrey and related synthetic compounds	Researcher	Vakhtang Barbakadze	07.04.2009	07.04.2011	Georgian National scientific Foundation
A new polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from Symphytum asperum and S.caucasicum and its synthetic monomer: prospective cancer preventive and anti-cancer compounds	Researcher	Vakhtang Barbakadze	01.06.2007	01.12.2008	Georgian-U.S. Bilateral Grants Program III Science with Societal Impact
Synthesis of some new biologically active compounds on the basis of steroidal sapogenin-tigogenin	Researcher	E.Kemertelidze	02.01.2004	30.12.2006	NATO reintegration grant

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

Subject area: 1.4.3 Physical chemistry, Polymer science, Electrochemistry (dry cells, batteries, fuel cells, corrosion metals, electrolysis)

Additional Field (2)

Field: 3. Medical and health sciences

Sub-Field: 3.4 Health biotechnology

Scientific Fields (2021-2024)

Main Field

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.5 Synthetic Chemistry and Materials

Subject area: 1.5.17 Organic 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
TSMU Kutateladze Institute of Pharmacochemistry	Department of plant biopolymers and chemical modification of natural compounds	Principal research scientist	Isolation of plant bio polymers and synthesis of their analogues	11.09.2023

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
Hokkaido University	Center of Catalysis	PostDoc	მკვლევარი	15.11.2018	30.04.2019
TSMU Kutateladze Institute of Pharmacochemistry	Department of plant bioplymers and modification of natural compounds	Senior research scientist	Isolation of plant biopolymers and synthesis of their analogues	01.08.2018	10.09.2023
New York State University, College of Environmental Science and Forestry	Chemistry	PostDoc	Joint research project- Natural biopolymer from Comfrey Chemical and Enzymatic Approaches_	20.01.2018	20.07.2018
TSMU I.Kutateladze Institute of Pharmacochemistry	Laboratory of plant biopolymers	Senior Research Scientist	Researcher	08.09.2014	31.07.2018
Institute for Catalysis, Hokkaido University	Division of Macromolecular science: Nakano Lab	PostDoc Fellow	Sytheisis of analogues of biopolymer from Comfrey	01.04.2013	01.10.2013
Kutateladze Institute of Pharmacochemistry	Laboratory of plant biopolymers	Senior research scientist	Synthesis of plant biopolymers analogues	31.10.2006	08.09.2014
I.Kutateladze Institute of Pharmacochemistry Georgian Academy of Sciences	Department of synthesis of hormonal compounds	Research scientist	Synthesis of biologically active steroidal compounds	01.12.1990	31.10.2006

Scientific Productivity

Patents

Patent name	Issuing organization	Registration number	Year of Issue
Medicinal applications of benzoic acid hydrazones synthesized on the basis of steroidal tigogenin	USA patenet	8,623,849	2014
Sum of high-molecular compunds of comfrey roots and its use for treatment.	Geo patent	2012 5391 B	2006

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	M. Merlani, N. Nadaraia, L. Amiranashvili, A. Petrou, A.Geronikaki, A. Ćirić, J. Glamočlija, T.Carevic, M. Soković.	Antimicrobial Activity of Some Steroidal Hydrazones	Molecules	2023
Article	V. Barbakadze, M. Merlani, L. Gogilashvili, L. Amiranashvili, A. Petrou, A.Geronikaki, A. Ćirić, J. Glamočlija, M. Soković,.	Antimicrobial Activity of Catechol-Containing Biopolymer Poly[3-(3,4-dihydroxyphenyl)glyceric Acid] from Different Medicinal Plants of Boraginaceae Family.	Antibiotics	2023

Type	Authors	Publication title	Source title	Year
Article	Maia Merlani, Dieter M. Scheibel, Vakhtang Barbakadze , Lali Gogilashvili , Lela Amiranashvili , Athina Geronikaki , Valentina Catania , Domenico Schillaci , Giuseppe Gallo and Ivan Gitsov	Enzymatic Synthesis and Antimicrobial Activity of Oligomer Analogues of Medicinal Biopolymers from Comfrey and Other Species of the Boraginaceae Family	Pharmaceutics	2022
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	2022
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, M.Getia, A. Gogolashvili, A. Salgado, B. Chankvetadze.	Biologically active sugar-based poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] from stems and roots of Paracynoglossum imeretinum (Kusn) M.pop.	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES	2022
Article	Vakhtang Barbakadze , Lali Gogilashvili , Lela Amiranashvili , Maia Merlani* , Shao-Ping Li, Bezhan Chankvetadze	Fractionation of Biologically Active Poly[3-(3,4-Dihydroxyphe-nyl)Glyceric Acid] Preparation from Symphytum asperum, Simultaneous Determination of Molecular Weights and Contents of itsFractions Using HPSEC-MALLS-RID	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES	2021
Article	Vakhtang Barbakadze , Lali Gogilashvili , Lela Amiranashvili , Maia Merlani* , Shao-Ping Li, Bezhan Chankvetadze	Fractionation of Biologically Active Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] Preparation from Symphytum asperum Using HPSEC-MALLS-RID and Membrane Ultrafiltration Methods	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES	2021
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, Sh.P.Li, B. Chankvetadze. M. Churadze, A. Gogolashvili, A. Salgado, B. Chankvetadze	Carbohydrate-Based Biopolymers: BiologicallyActive Poly[3-(3,4-Dihydroxyphenyl)GlycericAcid]from Borago officinalis	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES	2021
Article	L.Gogilashvili, L Amiranashvili, M.Merlani, A. Salgado, B. Chankvetadze, V. Barbakadze	Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] from Cynoglossum officinale L. (Boraginaceae)	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES	2020
Article	L Amiranashvili, N Nadaraia, M Merlani, C Kamoutsis, A Petrou, A. Geronikaki, P. Pogodin, D. Druzhilovskiy, V. Poroikov, A. Ciric, J. Glamočlija, M. Sokovic	Antimicrobial Activity of Nitrogen-Containing 5-α-Androstane Derivatives: In Silico and Experimental Studies.	Antibiotics	2020
Article	M. Merlani, V. Barbakadze, L. Amiranashvili, L. Gogilashvili, V. Poroikov, A. Petrou, A. Geronikaki, A. Ciric, J. Glamoclijad, M. Sokovic	New caffeic acid derivatives as antimicrobial agents	Current Topics in Medicinal Chemistry	2019
Article	Nanuli Sh.Nadaraia, Lela Sh.Amiranashvili, MaiaMerlani , Meri L.Kakhabrishvili, Nana N.Barbakadze, Athina Geronikaki, AnthiPetrou, Vladimir Poroikov, Ana Ciric Jarmila Glamoclija, Marina Sokovic	Novel antimicrobial agents' discovery among the steroid derivatives	Steroids	2019
Article	Maia Merlani, Zhiyi Song, Yuting Wang, Yuehui Yuan, Jiyue Luo, Vakhtang Barbakadze, Bezhan Chankvetadze, and Tamaki Nakano	Polymerization of Bulky of Oxirane Monomers Leading to Polyethers Exhibiting Intramolecular Charge Transfer Interactions M	Macromolecular Chemistry and Physics,	2019
Monograph	E. Kemertelidze, M.Benidze, A.skhirtladze, N.Nadaraia, M.Merlani, L.Amiranashvili	Synthesis of steroidal hormonal preparations from the Yucca gloriosa introduced in Georgia and investigation of chemical compositions of plant	Publications of National Academy of Georgia	2018
Article	Maia Merlani, Vakhtang Barbakadze Lela Amiranashvili, Lali Gogilashvili	Synthesisi of New dihydroxylated derivatives of ferulic and isoferulic acids	Bulletin of the Georgian National Academy of Sciences	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 Symphytum grandiflorum DC (Boraginaceae .	Bull. Georg. Natl. Acad. Sci	2017
Article	M. Merlani, V. Barbakadze, L. Gogilashvili, L.Amiranashvili.	Antioxidant Activity of Caffeic Acid-Derived Polymer from Anchusa italica	Bull. Georg. Natl. Acad. Sci.	2017

Type	Authors	Publication title	Source title	Year
Article	L.Amiranashvili, L. Gogilashvili, S. Gokadze, M. Merlani, V. Barbakadze, B. Chankvetadze.	UHPLC-Q-TOF/MS Characterization of Several Compounds from the Roots and Stems Extracts of Symphytum Asperum	Bull. Georg. Natl. Acad. Sci.	2016
Article	N.Sh. Nadaraia, L.Sh.Amiranashvili, M.I.Merlani	Structure-activity relationship of epimeric 3,17-substituted 5α-androstane aminoalcohols	Chem. Nat. Compds	2016
Article	M. Merlani, Y. Koyama, H. Sato, L. Geng, V. Barbakadze, B. Chankvetadze, T. Nakano	Ring-opening polymerization of a 2,3-disubstituted oxirane leading to a polyether having a carbonyl–aromatic π-stacked structure.	Polym. Chem.	2015
Article	A.Chikovani, Z.Pachulia, M.Merlani, V.Barbakadze	The Quantum-Chemical Modeling of Synthesisof some Phenylgycidates	Bull. Georg. Natl. Acad. Sci.	2015
Article	D.Tedesco, E.Fabini, V.Barbakadze, M.Merlani, R.Zanasi, B.Chankvetadze, C.Bertucci	Stopped--Flow Enantioselective HPLC-CD Analysis and TD-DFT Stereochemical Characterization of Methyl Trans-3-(3,4-Dimethoxyphenyl)Glycidate.	Chirality.	2015
Article	M. I. Merlani, L. Sh. Amiranashvili, E. P. Kemertelidze	Synthesis of several 5α-D-homosteroid derivatives on basis of tigogenin.	Chem. Nat. Compds	2014
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	2014
Article	M. I. Merlani, L. Sh. Amiranashvili, E. P. Kemertelidze	Synthesis of several 5α-D-homosteroid derivatives on basis of tigogenin	Chem. Nat. Compds	2014
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	Bull. Georg. Natl. Acad. Sci.	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.	Bull. Georg. Natl. Acad. Sci.	2013
Article	K.Lomsadze, M. Merlani, V.Barbakadze, T. Farkas, B. Chankvetadze.	Enantioseparation of Chiral Epoxides with Polysaccharide-Based Chiral Columns in HPLC.	Chromatographia	2012
Article	S.Shrotriya, G.Deep, K.Ramasamy, K.Raina, V. Barbakadze, M. Merlani, L. Gogilashvili, L. Amiranashvili,K. Mulkijanyan, K. Papadopoulos, Ch. 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.	2012
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	Bull. Georg. Natl. Acad. Sci	2012
Article	V.Barbakadze, M.Merlani, L.Gogilashvili, L.Amiranashvili, E. Shaburishvili	Anticomplementary and antioxidative activity of high- molecular fractions from the leaves of Symphytun asperum and S.caucasicum.	Pharmaceutical Chemistry J.	2011
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	Bull. Georg. Natl. Acad. Sci.	2011
Article	S. Sirakanyan, A. Hovakimyan, A.Noravyan, G.Panosyan, M.Merlani.	New heterocyclic systems on the basis of condensed furo[3,2-d]pyrimidines	Georgia Chemical Journal.	2011
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	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	Nat.Prod.Comm	2010
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.	Bull. Georg. Natl. Acad. Sci.	2009
Article	K.Mulkijanyan,V.Barbakadze, Zh.Novikova, M. Sulakvelidze, L. Gogilashvili, L.Amiranashvili, M. Merlani.	Burn healing compositions from Caucasian species of comfrey (Symphytum L.).	Bull. Georg. Natl. Acad. Sci	2009
Article	M. I. Merlani, L. Sh. Amiranashvili, E. P. Kemertelidze, K. G. Mulkidzhanyan.	Synthesis and antimicobacterial activity of some steroidal derivatives of tigogenin	Chem. Nat. Compds	2009
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 5α –series.	Chem. Nat. Compds.	2008

Type	Authors	Publication title	Source title	Year
Article	M. I. Merlani, L. Sh. Amiranashvili, K. G. Mulkidzhanyan, A. R. Shelar	Synthesis and antitumor activity of some 5α -steroid derivatives	Chem. Nat. Compds	2008
Article	V.Barbakadze, K. Mulkijanyan, 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.	Bull. Georg. Natl. Acad. Sci.	2008
Article	L.Gogilashvili, L.Amiranashvili, V.Barbakadze, M.Merlani, K. Mulkijanyan, E.Shaburishvili	Obtaining of toxic pyrrolizidine alkaloid-free biologically active high molecular preparations of Symphytum asperum and S.caucasicum	Bull. Georg. Natl. Acad. Sci	2008
Article	M. I. Merlani, L. Sh. Amiranashvili, N. I. Men'shova and E. P. Kemertelidze	Synthesis of 5α-androstan-3β,17β-diol from tigogenin	Chem.Nat.Compds	2007
Article	V.Barbakadze, K.Mulkijanyan, M.Merlani, L.Gogilashvili, L.Amiranashvili.	Structure of Glucofructan from Bulbs of Galanthus platyphyllus Traub et Moldenke (Amaryllidaceae)	Bull. Georg. Natl. Acad. Sci.	2007
Article	M.I. Merlani, L.Sh.Amiranashvili, K.G. Mulkidzhanyan, E.P.Kemertelidze	Synthesis and biological activity of certain amino-derivatives of 5α-steroids	Chemistry of Natural Compounds	2006
Article	M.Merlani, L.Amiranashvili, E.Kemertelidze, K.Papadopoulos, E.Yannakopoulou	Synthesis of 17α-amino-5α-androst-2-ene from epiandrosterone.	Chemistry of Natural Compounds	2006
Article	Merlani M.I., Amiranashvili L.Sh., Davitishvili M.G., Kemertelidze E.P., Papadopoulos K., Yannakopoulou E	Synthesis of novel steroidal isonicotinylhydrazones and thiosemicarbazones from tigogenin	Chemistry of Natural Compounds	2006
Article	Merlani M.I., Kemertelidze E.P., Papadopoulos K., and Men'shova N. I.	Some Derivatives of 5a-Ketosteroid Hydrazones:Synthesis from Tigogenin and Antituberculosis Activity	Russian J. Bioorg. Chem	2004
Article	Merlani M.I., Davitishvili M.G., Nadaraia N.Sh., Sikharulidze M. I., K. Papadopulos	Conversion of epiandrosterone into 17□-amino-5a-androstane	Chem. Nat. Compds	2004
Article	Sikharulidze M.I., Merlani M.I., Amiranashvili L.Sh.	Synthesis of 2α-methyldihydrotestosterone on the basis of tigogenin	Chem. Nat. Compds	2001
Article	Merlani M.I., Sladkov V.I., Mens'hova N.I., Kemertelidze E.P., Suvorov N.N	Synthesis of 5α-ketosteroids derivatives on the basis of tigogenin and their biological activity	Bull. Georgian Acad. Sci.	1995
Article	Merlani M.I., Sladkov V.I., Men'shova N.I., Philitis.L.N., Kemertelidze E.P, Suvorov N.N.	Synthesis of isonicotinoylhydrazones of 5α-ketosteroids on the basis of tigogenin	Bull. Georgian Acad. Sci	1995
Article	Merlani M.I., Sladkov V.I., Parshin V.A., Men'shova N.I., Levina I.I., Suvorov N.N.	Synthesis and pharmacology of 17-amino-5α-androstane-3-ol derivatives.	Pharmaceutical Chemistry Journal.	1989
Article	Merlani M.I., Sladkov V.I., Men'shova N.I., Kemertelidze E.P., Suvorov N.N.	5α- Androstanolon derivatives synthesis on the basis of tigogenin	Bull. Acad. Scie. Georgian SSR	1989

Scholarships and awards

Scholarships/awards name	Issuer	Year of Issue
Fulbright foundation fellowship	USA	2017
Matsumae foundation fellowship	Matsumae foundation (Japan)	2013
NATO Reintegration grant	NATO	2003
NATO Fellowship	NATO	2002
Georgian President Fellowship for young scientists	President of Georgia	1997

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
International scientific-practical conference "Georgian Scientific Pharmacy: Past and Present" dedicated to TSMU Pharmacochemistry Institute 90th and Academician Iovel Kutateladze 135th anniversary.	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	Oligomer analogues of medicinal biopolymers from comfrey and other species of the boraginaceae family.	Erevan, 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

Scientific event name	Title of the presentation	Event venue	Year
International scientific and practical symposium'100 YEARS OF SUCCESS AND QUALITY', dedicated to the 100th anniversary of pharmaceutical chemistry department of National University of Pharmacy	Carbohydrate-based biopolyethers: Anticancer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from medicinal plants (Boraginaceae)	Kharkiv, Ukrine	2021
IRCCS the 2nd International Symposium - New future by chemical synthesis and energy materials	Studies on Synthetic Analogues of Comfrey-Based Natural Bioplymer	Kyoto, Japan	2019
10-th Eurasian Meeting on Heterocyclic Chemistry (EAMHC-2019)	Synthetic analogues of natural biopolymer from Boraginacea family	Milano Marittima (Ravenna), Italy	2019
10-th Eurasian Meeting on Heterocyclic Chemistry (EAMHC-2019)	Chemical content of different species of Boraginacea family.	Milano Marittima (Ravenna), Italy	2019
10-th Eurasian Meeting on Heterocyclic Chemistry (EAMHC-2019)	N-containing 5α-steroids as antimicrobials.	Milano Marittima (Ravenna), Italy	2019
International scientific conference "Green medications by green technologies-for healthy life.	Caffeic acid derivatives: synthesis and antimicrobial activity	Tbilisi, Georgia	2019
International scientific conference "Green medications by green technologies-for healthy life.	Isolation and analysis of low molecular compounds from Symphytum (Boraginacea).	Tbilisi, Georgia	2019
10-th Eurasian Meeting on Heterocyclic Chemistry (EAMHC-2019)	Synthetic analogues of natural biopolymer from Boraginacea family	Milano Marittima (Ravenna), Italy	2019
6th World Congress on Biopolymers,	New biopolymer from Comfrey: Chemistry and biological activity.	Paris, France	2017
6th World Congress on Medicinal Chemistry and Drug Design	5-alpha Steroidal hydrazones: synthesis and biological activity	Milan, Italy.	2017
6th World Congress on Medicinal Chemistry and Drug Design.	Bioactive natural products from Symphytum (Boraginaceae).	Milan, Italy.	2017
European Chemistry Congress	Synthesis of natural biologically active poly[3-(3,4-dihydroxyphenyl)-glyceric acid analogues	Rome, Italy	2016
World congress on Pharmacology	Plant biopolymers from Boraginacea family and their synthetic derivatives: prospective pharmacological agents.	Brisbane, Australia	2016
26th International Symposium on Pharmaceutical and Biomedical Analysis.	Synthetic analogues of poly[3-3(3,4-dihydroxyphenyl)glyceric acid]isolated from comfrey.	Tbilisi, Georgia,	2015
3-rd International Conference on Pharmaceutical Sciences.	Synthesis of some 2,3-dihydroxy-3-(3,4-dihydroxyphenyl)-propionic acid derivatives.	Tbilisi, Georgia,	2015
The 3-rd International Conference of Organic Chemistry (ICOC-2014).	Synthesis of a monomeric moiety of natural polyether from comfrey and their comparative biological activity	Tbilisi, Georgia	2014
8-th Eurasian Meeting on Heterocyclic Chemistry (EAMHC-2014).	Synthesis of some D-homoandrostanes on the basis of tigogenin.	Tbilisi, Georgia,	2014
12th International conference-Polymers for Advanced Technologies (PAT) Conference,	Novel phenolic polymer as potential therapeutic agent.	Berlin, Germany	2013
XXV European Colloquium on Heterocyclic chemistry.	The synthesis of novel D-homosteroids on the basis of steroidal sapogenin-Tigogenin.	Reading, GB	2012
1st International Symposium on Secondary Metabolites. Chemical, Biological and Biotechnological Properties.	Wound-healing agent from Symphytum asperum and S.caucasicum	Denizli, Turkey	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
ITP 2011 18th International Symposium on Electro- and Liquid Phase-separation Techniques.	Enantioseparation of chiral epoxides with two centers of chirality on polysaccharide-based chiral columns.	Tbilisi, Georgia	2011
Twelfth Tetrahedron Symposium Challenges in Organic and Bio-organic Chemistry	Enantioselective synthesis of 3-(3,4-dihydroxyphenyl)-glyceric acid via Sharpless dihydroxylation of caffeic acid – basic monomeric moietis of a biologically active polyether isolated from Symphytum asperum and S. caucasicum.	Sitges, Spain	2011
Actual problems of the Chemistry of Natural Compounds.	Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from Anchusa italica retz. Roots and antioxidant activity	Tashkent, Uzbekistan	2010
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 Symphytum asperum and S. caucasicum	Santa Barbara, California, USA	2010

Scientific event name	Title of the presentation	Event venue	Year
Frontiers in polymer science, International Symposium Celabrating the 50th Anniversary of the Journal Polymer.	Novel anti-cancer polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from Symphytum asperum and S.caucasicum	Mainz, Germany	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
Petra International Chemistry conference and TRAMECH-5	Synthesis of a new 3-(3,4-dihydroxyphenyl)glyceric acid-monomer of Biologically active poly[3-(3,4-dihydroxyphenyl)gyceric acid] from Symphtum Asperum and S.Caucasicum(Boraginaceae).	Tafila, Jordan	2007
10th Ibn Sina international conference on pure and applied hetercyclic chemistry	Synthesis of D-homoandrostane derivatives on the basis of tigogenin	Luxor, Egypt,	2007
4th Eurasian meeting on heterocyclic chemistry	Some 5□-ketosteroid derivatives: synthesis and antituberculous activity.	Thessaloniki, Greece	2006
International conference -Advanced Biotechnologies: perspectives of development in Armenia	Wound healing agent from caucasian species of comfrey (Symphytum).	Republic of Armenia,Tsakhkadzor,	2006
International Conference: New polymer systems for biotechnological and biomedical applications.	A new plant macromolecule to be used in burn wound management.	Yerevan.Armenia	2005
International conference on Pharmaceutical chemistry.	Synthesis of 2α-methyldihydrotestosterone on the basis of tigogenin	Kharkov, Ukraine	1999
International Congress on Pharmaceutical chemistry.	Synthesis of isonicotinoylhydrazones of some 5α-ketosteroids	Kharkov, Ukraine,	1996
International conferences on chemistry	Synthesis and biologycal activity of some hydrazones of 5α-ketosteroids.	Tbilisi, Georgia,	1994

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