

Vakhtang Barbakadze

Personal information

ID Number: 01008001939
 Full name: Vakhtang Barbakadze
 Gender: Male
 Date of birth: 28.03.1945
 Citizenship: საქართველო (Georgia)

Contact Details

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Languages

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

Education

Academic degree

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

Year obtained: 03.12.1999

Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	S.Durmishidze Institute of Biochemistry and Biotechnology Georgian Academy of Sciences	საქართველო (Georgia)	03.00.04 Doctor of Biological Sciences. The topic of D.Sci. thesis : "Chemical Structure and Biological Activity of Polysaccharides of Some Plants of the Flora of Georgia"	1999	
Professional/MD, JD or other equivalent	Iv.Djavakhishvili Tbilisi State University	საქართველო (Georgia)	The English Language	1988	1991
Doctoral/PhD, Ed.D or other equivalent	N.D.Zelinsky Institute of Organic Chemistry Academy of USSR	Russian Federation	02.00.10 - Bioorganic Chemistry and Chemistry of Natural and Physiologically active compounds (candidate of chemical sciences)	1974	1978
Professional/MD, JD or other equivalent	Polytechnical Institute of Georgia		Technology of Fermentative Production	1962	1968

Trainings / Seminars / Training courses

Training / Seminar / The theme of the course	Organization name	Start year	End year
STEP Technology Entrepreneurship Workshop; Certificate	U.S. Civilian Research & Development foundation (CRDF), Shota Rustaveli National Science Foundation, Georgian Research and Development Foundation (GRDF)	2011	
Technology Transfer and Technology Licensing Workshop	Tbilisi; U.S. Embassy Georgia, U.S. Department of Commerce Commercial Law Development Program (CLDP), Georgian Research and Development Foundation (GRDF) and Technical University of Georgia	2010	
Technology Transfer and Technology Licensing: Workshop on Structuring Sponsored Research Agreements between Life Sciences Companies and Georgian Academic Laboratories	Tbilisi; U.S. Embassy Georgia, U.S. Commercial Law Development Program (CLDP), U.S. Civilian Research & Development foundation (CRDF), Georgian Research and Development Foundation (GRDF)	2010	
From idea to Market Workshop: Intellectual Property Protection	Tbilisi; Georgian Research and Development Foundation (GRDF)	2009	
From idea to Market Workshop	Tbilisi; U.S. Civilian Research & Development foundation (CRDF), Georgia National Science Foundation (GNSF), Georgian Research and Development Foundation (GRDF)	2008	

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. AR/109/8-403/11; Grant agreement N 10/21; 02.04.2012	Research-Scientist	Prof. Aliosha Bakuridze	02.04.2012	02.04.2014	Shota Rustaveli National Science Foundation

Project title	Position	Project head	Start Date	End Date	Donor
Biopolymer from <i>Symphytum asperum</i> and <i>S.caucasicum</i> and its synthetic analogs: prospective wound-healing agents. GNSF/ST08/6-469. Grant agreement 07.04.2009.	Project Director	Vakhtang Barbakadze	07.04.2009	07.04.2011	Shota Rustaveli National Science Foundation
A new polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum asperum</i> and <i>S.caucasicum</i> and its synthetic monomer: prospective cancer preventive and anti-cancer compounds. Grant N GEB2-3344-TB-06; 01.06.2007.	Georgian Principal Investigator	American Principal Investigator Prof.Rajesh Agarwal	01.06.2007	31.12.2008	Georgian Research & Development Foundation (GRDF) – The U.S. Civilian Research and Development Foundation (CRDF), Georgia - U.S Bilateral Grant Program (BGP).
Immunomodulatory properties of plant polymers.	Visiting Research Scientist	Dr. Albert J.J. van den Berg	01.02.2002	01.09.2002	The Netherlands organization for scientific research (NWO). Utrecht University, The Netherlands.
Biomacromolecules of Immunomodulating Medicinal Plants.	Visiting Research Scholar	Prof. Rudi P.Labadie	01.03.1996	31.12.1996	Scholarship of Utrecht University, Utrecht, The Netherlands

Scientific Fields

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: 1.6 Biological sciences

Subject area: 1.6.3 Biochemistry and molecular biology

Employment History

Current place(s) of employment

Workplace	Name of the work department	Position	Main responsibilities	Start Date
LEPL Tbilisi State Medical University I.Kutateladze Institute of Pharmacochemistry	Department of Plant Biopolymers and Chemical Modification of Natural Compounds	Head, Principal Research Scientist	Planning of the short-term and long-term scientific-research work of the department, management of its implementation and performed work report.	01.08.2018

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
LEPL Tbilisi State Medical University I.Kutateladze Institute of Pharmacochemistry	Department of Plant Biopolymers and Chemical Modification of Natural Compounds	Head, Principal Research Scientist	Planning of the short-term and long-term scientific-research work of the management of its implementation and performed work report	11.01.2017	01.08.2018
LEPL Tbilis State Medical University I.Kutateladze Institute of Pharmacochemistry	Laboratory of plant Biopolymers	Head, Principal Research Scientist	Planning of the short-term and long-term scientific-research work of the laboratory, management of its implementation and performed work report.	08.09.2014	11.01.2017
NNLE Tbilis State Medical University I.Kutateladze Institute of Pharmacochemistry	Laboratory of plant Biopolymers	Head	Planning of scientific research activities and leadership of their implementation	25.01.2013	31.12.2013
NNLE Tbilis State Medical University I.Kutateladze Institute of Pharmacochemistry	Laboratory of plant Biopolymers	Head	Planning of the short-term and long-term scientific-research work of the department (laboratory), management of its implementation and performed work report.	08.02.2012	25.01.2013
LEPL Tbilis State Medical University I.Kutateladze Institute of Pharmacochemistry	Laboratory of plant Biopolymers	Head	Planning of the short-term and long-term scientific-research work of the department (laboratory), management of its implementation and performed work report.	03.08.2009	08.02.2012
I.Kutateladze Institute of Pharmacochemistry	Laboratory of plant Biopolymers	Head	Planning of the short-term and long-term scientific-research work of the laboratory, management of its implementation and performed work report.	30.08.2006	03.08.2009
I.Kutateladze Institute of Pharmacochemistry Georgian Academy of Sciences	Laboratory of Phytochemistry	Principal Research Scientist	Search and Investigation of biologically active plant biopolymers	28.03.2003	30.08.2006

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
I.Kutateladze Institute of Pharmacochemistry Georgian of Academy of Sciences	Laboratory of Phytochemistry	Principal Research Scientist	Search and Investigation of biologically active plant Biopolimers	03.04.2000	28.03.2003
I.Kutateladze institute of pharmacochemistry Georgian Academy of Sciences	Laboratory of Phytochemistry	Principal Research Scientist	Search of biologically active biopolymers in medicinal plants of widespread in Georgia	03.04.2000	30.08.2006
I.Kutateladze institute of Pharmacochemistry Georgian Academy of Sciences	Laboratory of Phytochemistry	Senior Research Scientist	Search and Investigation of Biologically active polysaccharides from medicinal plants widespread in Georgia	10.07.1990	01.04.2000
I.Kutatelade Institutue of Pharmacochemistry Georgian Academy of sciences	Laboratory of triterpeoid compounds	Research Scientist	Investigation of polysaccharide widespread in Georgia	02.01.1989	10.07.1990
Tbilisi State University	Field Laboratory N7	Senior Research Scientist	Investigation of polysaccharides of medicinal plants widespread in Georgia	24.10.1985	03.01.1988
State Committee of Science and Technology of the Georgian SSR	Industry Division	Chief specialist	Scientific-technical information and feasibility study in Industry	04.10.1984	24.10.1985
Scientific Technical Information and technical-economic research of Scientific-research Institute of Georgia	Industry Department	Senior Research scientist	Scientific-technical information and feasibility study in Industry	16.12.1982	24.09.1984
Institute of Plant Biochemistry Georgian Academy of Sciences	Laboratory of Xeniochemistry	Senior Research Scientist	Transformation of foreign compounds in plants	01.03.1980	16.12.1982
Institute of plant Biochemistry Georgian Academy of Sciences	Laboratory of Xeniochemistry	Junior Research Scientist	Transformation of foreign compounds in plants	25.01.1978	01.03.1980
Institute of Plant Biochemistry Georgian Academy of Sciences	Laboratory of phenolic compounds	Junior Research Scientist	Investigation of flavonoids of Georgian flora	08.04.1970	06.05.1974

Scientific Productivity

Patents

Patent name	Issuing organization	Registration number	Year of Issue
SUM OF HIGH-MOLECULAR COMPOUNDS OF COMFREY ROOTS AND ITS USE FOR TREATMENT	NATIONAL INTELLECTUAL PROPERTY CENTER OF GEORGIA "SAKPATENTI"	პატენტი 5391 P გამომგონებმა	2012

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, Sh-P. Li, B. Chankvetadze	Fractionation of Biologically Active Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] Preparation from Symphytum asperum, Simultaneous Determination of Molecular Weights and Contents of its Fractions Using HPSEC-MALLS-RID	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)	Bull. Georg. Natl. Acad. Sci.	2020
Article	V.Barbakadze	Poly(sugar acids): 3,4-dihydroxyphenyl derivative of acidic polysaccharide poly(2,3-glyceric acid ether) from medicinal plants of Boraginaceae family, its synthetic analogues and their therapeutic efficacy	Journal of Clinical Pathology and Laboratory Medicine	2020
Article	V.Barbakadze	Poly(sugar acids): Novel acidic polysaccharide poly[3-(3,4-dihydroxyphenyl)glyceric acid] from medicinal plants of Boraginaceae family, its synthetic analogues and their potential therapeutic efficacy	Insights in Analytical Electrochemistry	2020
Article	V.Barbakadze	Caffeic Acid-Derived Bio-Polyether from Medicinal Plants – Prospective Therapeutic Agent (Editorial)	Evolution Poly. Tech. J.	2019
Article	Maia Merlani, Zhiyi Song, Yuting, Wang, Yuehui Yuan, Jiyue Luo, Vakhtang Barbakadze, Bezhan Chankvetadze, Tamaki Nakano	Polymerization of Bulky of Oxirane Monomers Leading to Polyethers Exhibiting Intramolecular Charge Transfer Interactions	Macromolecular Chemistry and Physics	2019
Article	Maia Merlani, Vakhtang Barbakadze, Lela Amiranashvili, Lali Gogilashvili, Vladimir Poroikov, Anthi Petrou, Athina Geronikaki*, Ana Ciric, Jasmina Glamoclaja, Marina Sokovic	New caffeic acid derivatives as antimicrobial agents: design, synthesis, evaluation and docking	Current Topics in Medicinal Chemistry	2019
Article	M. Merlani, V. Barbakadze, L.Amiranashvili, L. Gogilashvili	Synthesis of New Dihydroxylated Derivatives of Ferulic and Isoferulic Acids	Bull. Georg. Natl. Acad. Sci.	2018
Article	Gokadze S, Barbakadze V, Mulkijanyan K, Bakuridze L, Bakuridze A.	DEVELOPMENT OF FORMULATION AND TECHNOLOGY FOR THE POLY[3-(3,4-DIHYDROXYPHENYL)GLYCERIC ACID] GEL.	Georgian Med News	2017
Article	Gokadze S., Barbakadze V., Mulkijanyan K., Bakuridze A., Bakuridze L.	Formulation and Technology Development of Herbal Phenolic Biopolymer-Containing Films for Burn Treatment	Georgian Med. News.	2017
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

Type	Authors	Publication title	Source title	Year
Article	M.Merlani, V.Barbakadze, L.Gogilashvili, L.Amiranashvili.	Antioxidant Activity of Caffeic Acid Derived Polymer from <i>Anchusa italica</i>	Bull. Georg. Natl. Acad. Sci.	2017
	Lela Amiranashvili, Lali Gogilashvili, Sopio Gokadze, Maia Merlani, Vakhtang Barbakadze, Bezhan Chankvetadze	UHPLC-Q-TOF/MS Characterization of Several Compounds from the Roots and Stems Extracts of <i>Symphytum Asperum</i>	Bull. Georg. Natl. Acad. Sci.	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	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	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, K. Mulkijanyan	Novel Biologically Active Phenolic Polymers from Different Species of Genera <i>Symphytum</i> and <i>Anchusa</i> (Boraginaceae)	J. Chem. Eng. Chem. Res.	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, Materials and Biomolecular Sciences	2014
Article	V. Barbakadze, L. Gogilashvili, L. Amiranashvili, M. Merlani, K. Mulkijanyan	Biologically Active Caffeic Acid-Derived Biopolymer	International Journal of Biological, Life and Agricultural Sciences	2014
Article	Gokadze SI, Barbakadze VV, Gogilashvili LM, Amiranashvili LSh, Bakuridze AD.	Development of technology for the substance of poly[3-(3,4-dihydroxyphenyl) glyceric acid] from <i>Symphytum asperum</i>].	Georgian Med News	2013
Article	Vakhtang Barbakadze, Lali Gogilashvili, Lela Amiranashvili, Maia Merlani, Karen Mulkijanyan, Antonio Salgado, Bezhan Chankvetadze	Novel Biologically Active Dihydroxycinnamate-Derived Polyether from Different Species of Family Boraginaceae .	Bull. Georg. Natl. Acad. Sci.	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 <i>Symphytum asperum</i> and <i>Anchusa italica</i> (Boraginaceae) Using Different Gel-Filtration Columns .	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	Vakhtang Barbakadze, Maia Merlani, Lela Amiranashvili, Lali Gogilashvili, Karen Mulkijanyan	Study of Poly[Oxy-1-Carboxy-2-(3,4-Dihydroxyphenyl) Ethylene] From <i>Symphytum asperum</i> , <i>S.caucasicum</i> , <i>S.officinale</i> , <i>Anchusa italica</i> by Circular Dichroism	Bull. Georg. Natl. Acad. Sci.	2012
Article	S.Shrotriya, G.Deep, K.Ramasamy, K.Raina, 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	2012
Article	V.Barbakadze, K.Mulkijanyan, M.Merlani, L.Gogilashvili, L.Amiranashvili, E. Shaburishvili	Isolation, composition, antioxidative and anticomplementary activity of high-molecular fractions from the leaves of <i>Symphytum asperum</i> and <i>S. caucasicum</i>	Pharm. Chem. J.	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 <i>Symphytum asperum</i> and <i>S. caucasicum</i>	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 <i>Anchusa italica</i> roots	Nat. Prod. Commun.	2010
Article	V. Barbakadze, A. J. J. van den Berg, C. J. Beukelman, J. Kemmink, H. C. Quarles van Ufford	POLY[3-(3,4-DIHYDROXYPHENYL)GLYCERIC ACID] FROM <i>Symphytum officinale</i> ROOTS AND ITS BIOLOGICAL ACTIVITY	Chem. Nat. Compounds	2009
Article	K.Mulkijanyan,V.Barbakadze, Zh.Novikova, M. Sulakvelidze, L. Gogilashvili, L.Amiranashvili, M. Merlani	Burn healing compositions from Caucasian species of comfrey (<i>Symphytum L.</i>)	Bull. Georg. Natl. Acad. Sci.	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 <i>Symphytum asperum</i>	Bull. Georg. Natl. Acad. Sci.	2009
Article	Vakhtang Barbakadze, Karen Mulkijanyan, Maia Merlani, Lali Gogilashvili, Lela Amiranashvili, Fernando 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	V.V.Barbakadze, E.P.Kemertelidze, K.G.Mulkijanyan, A.J.J.van den Berg, C.J.Beukelman, E.van den Worm, H.C.Quarles van Ufford, A.I.Usov	Antioxidant and anticomplementary activity of poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum asperum</i> and <i>S. caucasicum</i>	Pharm. Chem. J.	2007
Article	Vakhtang BarbakadzeI, Etheri Kemertelidze, Iraida Targamadze, Karen Mulkijanyan, Alexander S. Shashkov, Anatolii I.Usov	Poly[3-(3,4-dihydroxyphenyl)glyceric Acid], A New Biologically Active Polymer from <i>Symphytum Asperum</i> Lepech. and <i>S. Caucasicum</i> Bieb. (Boraginaceae)	Molecules	2005
Article	V. V. Barbakadze, E. P. Kemertelidze, I. Targamadze, K. Mulkijanyan, J. Kemmink, A. J. J. van den Berg, K. J. Beukelman, A. I. Usov	POLY[3-(3,4-DIHYDROXYPHENYL)GLYCERIC ACID] FROM STEMS OF <i>Symphytum asperum</i> AND <i>S. caucasicum</i>	Chem. Nat. Compounds	2005
Article	V. V. Barbakadze, E. P. KemertelidzeI. L. Targamadze, A. S. Shashkov, A. I. Usov	Poly[3-(3,4-dihydroxyphenyl)glyceric acid]: A new biologically active polymer from two comfrey species <i>Symphytum asperum</i> and <i>S. caucasicum</i> (Boraginaceae)	Russ. J. Bioorg. Chem.	2002
Article	C.M.Barthomeuf, E.Debiton, V.V.Barbakadze, E.P.Kemertelidze	Evaluation of the dietetic and therapeutic potential of a high molecular weight hydroxycinnamate-derived polymer from <i>Symphytum asperum</i> Lepech. Regarding its antioxidant, antilipoperoxidant, antiinflammatory, and cytotoxic properties	J. Agric. Food Chem.	2001
Article	L.Kardava, N.Kulikova, M.Tevzadza, Kh.Gabunia, V.Barbakadze, D.Ghirdaladze, G.Iosava, N.Porakishvili	The cell cycle progression of B-chronic lymphocytic leukaemia cells in vitro	Proceedings of the Georgian Academy of Sciences	2001
Article	L.Kardava, Kh.Gabunia, M.Tevzadze, V.Barbakadze, D.Ghirdaladze, G.Iosava, N.Porakishvili.	Dihydroxycinnamate-derived polymer from <i>Symphytum asperum</i> increases spontaneous in vitro apoptosis of B-chronic lymphocytic leukaemia cells	Bulletin of the Georgian Academy of Sciences	2000

Type	Authors	Publication title	Source title	Year
Article	V.Barbakadze, E.Kemertelidze, I.Targamadze, A.S.Shashkov, A.I.Usov, B.H.Kroes, B.J.J.van den Berg, R.P.Labadie	Partial characterization of a new anticomplementary and antioxidative dihydroxycinnamate-derived polymer from <i>Symphytum asperum</i> Lepech.	Trans-Caucasian J. of Immunology	2000
Article	V.V.Barbakadze, E.P.Kemertelidze, A.S.Shashkov, A.I.Usov	Structure of a new anticomplementary dihydroxycinnamate – derived polymer from <i>Symphytum asperum</i> (Boraginaceae)	Mendeleev Commun.	2000
Article	V.Barbakadze, E.Kemertelidze, I.Targamadze, A.I.Usov, B.H.Kroes, H.C.Quarles van Ufford, E.van den Worm, C.J.Beukelman, A.A.J.van den Berg, R.P.Labadie	Evaluation of immunomodulatory activity of some plant polysaccharides	Proc. Georgian Acad. Sci., Biol. Ser.	1999
Article	V.Barbakadze, E.Kemertelidze, A.S.Shashkov, A.I.Usov, B.H.Kroes, A.J.J.van den Berg, R.P.Labadie	Partial characterization of a new anticomplementary dihydroxycinnamate-derived polymer from <i>Symphytum asperum</i> Lepech.	Proc. Georgian Acad. Sci., Biol. Ser.	1999
Article	V.Barbakadze, E.Kemertelidze, I.Targamadze, A.I.Usov, B.H.Kroes, H.C.Quarles van Ufford, E.van den Worm, C.J.Beukelman, A.A.J.van den Berg, R.P.Labadie	Anti-complementary and anti-oxidative activity of high molecular fractions from the roots of <i>Symphytum asperum</i> and <i>Symphytum caucasicum</i>	Trans-Caucasian J. of Immunology	1999
Article	V. V. Barbakadze, I. L. Targamadze, A. I. Usov	Isolation and investigation of a glucomannan from bulbs of <i>Scilla sibirica</i> Haw. (Liliaceae)	Russian J. Bioorg. Chem.	1996
Article	V. V. Barbakadze, I. L. Targamadze, A. I. Usov	Glucofructan from Bulbs of Grape Hyacinth <i>Muscari szovitsianum</i> Baker (Liliaceae)	Russian J. Bioorg. Chem.	1996
Article	V.V.Barbakadze, E.P.Kemertelidze, G.E.Dekanosidze, A.I.Usov	Isolation and structural investigation of a glucofructan from bulbs <i>Ornithogalum ponticum</i> Zahar. (Liliaceae)	Russian J. Bioorg. Chem.	1993
Article	V. V. Barbakadze, E. P. Kemertelidze, H. E. Dekanosidze, A. I. Usov	Structure of a glucomannan from rhizomes of <i>Polygonatum glaberrimum</i> C. Koch (Liliaceae)	Russian J. Bioorg. Chem.	1993
Article	V.V.Barbakadze, E.P.Kemertelidze, G.E.Dekanosidze, A.I.Usov	Isolation and characterization of glucans from roots of <i>Tamus communis</i> L. (Dioscoreaceae)	Russian J. Bioorg. Chem.	1993
Article	V.V.Barbakadze, E.P.Kemertelidze, G.E.Dekanosidze, A.I.Usov	Structure of a galactoglucomannan from unripe fruits of <i>Tamus communis</i> L. (Dioscoreaceae)	Russian J. Bioorg. Chem.	1993
Article	M.Makhatadze, E.Kemertelidze, M.Bostoganashvili, V.Barbakadze, H.Dekanosidze	Immunopharmacologic study of glucofructan from <i>Symphytum asperum</i> roots	Ann. N.Y. Acad. Sci.	1993
Article	V.V.Barbakadze, E.P.Kemertelidze, G.E.Dekanosidze, T.G.Beruchashvili, A.I.Usov	Investigation of glucofructans from roots of two species of comfrey <i>Symphytum asperum</i> Lepech. and <i>S.caucasicum</i> Bieb.	Russian J. Bioorg. Chem.	1992
Article	V. V. Barbakadze, R. A. Gakhokidze, Z. S. Shengeliya, A. I. Usov	Preliminary investigation of water-soluble polysaccharides from Georgian plants	Chemistry of Natural Compounds	1989
Article	V.V.Barbakadze, A.I.Usov	Polysaccharides of algae. XXVI. Methylation and periodate oxidation of a polysaccharide from the red seaweed <i>Grateloupia divaricata</i> Okam.	Russ. J. Bioorg. Chem.	1978
Article	A.I.Usov, V.V.Barbakadze	Polysaccharides of algae. XXVII. Partial acetolysis of the sulfated galactan from the red seaweed <i>Grateloupia divaricata</i> Okam.	Russ. J. Bioorg. Chem.	1978
Article	A.I.Usov, V.V.Barbakadze, S.V.Yarotsky, A.S.Shashkov	Polysaccharides of algae. XXVIII. Application of ¹³ C-NMR spectroscopy for structural studies of galactan from red seaweed <i>Grateloupia divaricata</i> Okam.	Russ. J. Bioorg. Chem.	1978
Article	A.I.Usov, L.I.Miroshnikova, V.V.Barbakadze	Polysaccharides of algae. XVII. Water-soluble polysaccharides of the red seaweeds <i>Grateloupia divaricata</i> Okamura and <i>Grateloupia turuturu</i> Yamada	Russ. J. Gen. Chem.	1975

Scholarships and awards

Scholarships/awards name	Issuer	Year of Issue
For the participation in the project of Tbilisi City Hall 2011 of "Promotion Science, Inventiveness, Talented and Creative People"	Tbilisi City Hall	2011
State Prize laureate of Georgian Science and Technologies	Committee of State Bonuses of the Georgian Science and Technologies Department at the President of Georgia	2004

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
2nd International Conference on Biopolymers and Polymers Chemistry, Certificate	Poly(Glyceric Acid Ether) from Medicinal Plants of Boraginaceae Family, its Synthetic Analogues and their Antiinflammatory and Anticancer Efficacy	Conference Held During March 25-26, 2021 at Webinar	2021
2nd Global Conference & Expo on Materials Science and Nanoscience, Certificate	Poly(Sugar Acid): A Poly[3-(3,4-Dihydroxyphenyl) Glyceric Acid Ether] its Synthetic Analogues and their Comparative Anticancer Efficacy	Conference Held During March 25-26, 2021 at Webinar	2021

Scientific event name	Title of the presentation	Event venue	Year
2nd Edition of Global Webinar on Plant Science and Research, Certificate	Sugar Based Biopolymers: Novel Representative of Multifunctional Poly(Sugar Acids) - Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid] from Medicinal Plants of Boraginaceae Family, its Synthetic Analogues and their Therapeutic Efficacy	2nd Edition of Global Webinar on Plant Science and Research on 26-27 February, 2021	2021
Online Conference on Chemistry and Nano Science, Certificate, https://chemistry.inovineconferences.com/index.php , https://chemistry.inovineconferences.com/pdf/Chemistry-Congress-2021-Scientific-Program.pdf	Poly(Sugar Acids): Natural Poly[3-(3,4-Dihydroxyphenyl)Glyceric Acid], its Synthetic Analogues and their Anticancer Efficacy	Online Conference on Chemistry and Nano Science Held During January 25-26, 2021	2021
International Webinar on Mass Spectrometry and Separation Techniques, Certificate, https://massspectrometry.scientificmeditech.com/wp-content/uploads/2021/03/Scientific-Program_Mass-Spectrometry-Webinar-2021.pdf	Structure elucidation of biologically active poly[3-(3,4-dihydroxyphenyl)glyceric acid] from medicinal plants of Boraginaceae family and its synthetic analogues using different techniques of NMR spectroscopy and mass-spectrometry	International Webinar on Mass Spectrometry and Separation Techniques Held on March 06, 2021, Webinar (Online Meeting)	2021
International Webinar on Chemistry and Pharmaceutical Chemistry, Certificate, https://chemistry.scientificmeditech.com/wp-content/uploads/2021/03/Scientific-Program_Chemistry-Webinar-2021-2.pdf	Sugar based biopolyethers: Biologically active poly(sugar acid) – poly[3-(3,4-dihydroxyphenyl)glyceric acid] from medicinal plants of Boraginaceae family and its synthetic analogues	International Webinar on Chemistry and Pharmaceutical Chemistry Held on March 12, 2021, Webinar (Online Meeting)	2021
15th International Conference on Agriculture & Horticulture	Novel polysaccharide – phenolic derivative of poly(glyceric acid ether) from different species of Boraginaceae family and its anticancer efficacy	August 24-25, Webinar, https://agriculture-horticulture.conferenceseries.com/2020/scientific-program.php?day=1&sid=6766&date=2020-08-24	2020
V-Mech2020 and V-Nano2020	Poly(Sugar Acids): Phenolic Derivative of Polysaccharide Poly(2,3-Glyceric Acid Ether) from Medicinal Plants of Boraginaceae Family with Therapeutic Efficacy	October 01, Webinar, More>Abstract Book">https://www.sciwideonline.com/nano-virtual-2020/abstract/>More>Abstract Book	2020
International Webinar on Applied Science	Poly(sugar acids): Phenolic Derivative of Acidic Polysaccharide Poly(2,3-glyceric acid ether) from Medicinal Plants of Boraginaceae family and its Therapeutic Efficacy	October 05, Webinar, More>Abstract">https://www.sciwideonline.com/applied-virtual-2020/>More>Abstract	2020
INTERNATIONAL WEBINAR Green, Sustainable & Analytical Chemistry. September 24-25, 2020	Novel representative of poly(sugar acids): phenolic derivative of acidic polysaccharide poly(2,3-glyceric acid ether) from medicinal plants of Boraginaceae family and its therapeutic efficacy.	September 24-25, Webinar, https://www.conferencemind.com/conference/greensustainableanalyticalchemistry/program	2020
Webinar on Microbial Biotechnology and Future Bio-industries, October 25, 2020.	Poly(sugar acids): 3,4-dihydroxyphenyl derivative of acidic polysaccharide poly(2,3-glyceric acid ether) from medicinal plants of Boraginaceae family, its synthetic analogues and their therapeutic efficacy.	October 25, Webinar, https://www.alliedacademies.org/articles/polysugar-acids-34dihydroxyphenyl-derivative-of-acidic-polysaccharide-poly23glycericacid-ether-from-medicinal-plants-of-.pdf	2020

Scientific event name	Title of the presentation	Event venue	Year
International Webinar on Chemistry, November 16-17, 2020	Poly(sugar acids): Acidic Polysaccharide Poly[3-(3,4-Dihydroxyphenyl)-Glyceric Acid] from Medicinal Plants of Boraginaceae Family, its Synthetic Analogues and their Potential Therapeutic Effect.	November 16-17, Webinar, https://www.magnuswebinars.com/chemistry-virtual	2020
3rd International Conference on Chemistry and Chemical Engineering, December 07, 2020 Webinar.	Poly(sugar acid): Acidic Polysaccharide Poly[3-(3,4-dihydroxyphenyl)-glyceric acid], its synthetic analogues and their anticancer effect.	December 07, Webinar, https://chemistry.scitechconferences.com/speakers.php	2020
10-th Eurasian Meeting on Heterocyclic Chemistry (EAMNC-2019)	Synthetic analogues of natural biopolymer from Boraginaceae family	Milano Marittima (Ravenna) - Italy	2019
10-th Eurasian Meeting on Heterocyclic Chemistry (EAMNC-2019)	Chemical content of different species of Boraginaceae family	Milano Marittima (Ravenna) - Italy	2019
IRCCS The 2nd International Symposium New Future by Chemical Synthesis and Energy Materials	Studies on Synthetic Analogues of Comfrey-based, Wound-healing Natural Biopolymer	Kihada Hall, Uji Campus, Kyoto University, Uji, Japan	2019
International Scientific Conference Green Medications by Green Technologies-for Healthy Life	Isolation and analysis of Low Molecular Compounds from Symphytum (Boraginaceae)	2019-Tbilisi, Georgia	2019
International Scientific Conference Green Medications by Green Technologies-for Healthy Life	Caffeic Acid Derivateves Synthesis and Antimicrobial Activity	2019-Tbilisi, Georgia	2019
9th World Congress on Biopolymers & Bioplastics	Plant biopolymers, its synthetic analogues-prospective therapeutic agents	London, UK	2019
7th International Congress and Expo on Bioscience & Biotechnology	Medicinal plant biopolymer, its synthetic analogues – prospective anticancer agents	Paris, France	2019
International Conference on Analytical Chemistry	3-Phenylglyceric acid-derived polyether from medicinal plants, its basic monomeric moiety as prospective anticancer agents	Madrid, Spain	2018
2nd International Conference & Expo on Green Chemistry and Engineering	Bioactive polymer of plant origin – prospective therapeutic agent	Barcelona, Spain	2018
4th Edition of International Conference on Polymer Science and Technology	A new class of caffeic acid-derived biopolyether from medicinal plants its synthetic basic monomeric moiety and their anticancer efficacy	London, UK	2018
JOINT EVENT 14th International Conference on Generic Drugs and Biosimilars 9th Global Experts Meeting on Neuropharmacology	Novel biopolymer with anticancer activity	Berlin, Germany	2018
15th Annual European Pharma Congress	Caffeic acid-derived polyether from medicinal plants: Structure and biological activity	Frankfurt, Germany	2018
4th Edition of International Conference on Polymer Science and Technology	A New class of caffeic acid-derived biopolymer from medicinal plants, its synthetic basic monomeric moiety and their anticancer efficacy	London, UK	2018
Euroscicon Conference on Physical Chemistry and Analytical Separation Techniques	Biopolyether from medicinal plants: as anticancer agent	Amsterdam, Netherlands	2018
4th Edition of International Conference on Polymer Science and Technology	Biopolymer from Medicinal Plants its Synthetic Monomer and their Anticancer Efficacy	Prague, Czech Republic	2018

Scientific event name	Title of the presentation	Event venue	Year
JOINT EVENT 12th World Congress on Pharmaceutical Sciences and Innovations in Pharma Industry & 9th Edition of International Conference on Alternative Medicine, February 26-28, 2018 London, UK	Novel biopolymer with anticancer activity	London, UK	2018
JOINT EVENT 14th International Conference on Generic Drugs and Biosimilars & 9th Global Experts Meeting on Neuropharmacology, November 15-16, 2018 Berlin, Germany	Novel biopolymer with anticancer activity	Berlin, Germany	2018
World Congress on BIOPOLYMERS AND BIOPLASTICS & World Congress and Expo on RECYCLING	Biopolyether from medicinal plants, its synthetic monomer and their anticancer efficacy	Berlin, Germany	2018
8th Edition of Biopolymers & Bioplastics & Polymer Science and Engineering Conferences	The natural polymer of plant origin its synthetic monomer and their anticancer efficacy	Las Vegas, USA	2018
24th Biotechnology Congress: Research & Innovations & Annual Congress on CRISPR Cas9 Technology and Genetic Engineering	Phenolic derivative of polyglyceric acid from medicinal plants its synthetis monomer and their anticancer efficacy	Boston, USA	2018
10th World Congress on Medicinal Chemistry and Drug Design	Plant macromolecule from different species of Boraginaceae family and its anticancer efficacy	Barcelona, Spain	2018
4th International Conference & Expo on Biotechnology and Genetic Engineering	Caffeic acid-derived biopolymer from medicinal plants, synthesis of its monomer and methylated derivative and their comparative anticancer efficacy	Madrid, Spain	2018
8th European Chemistry Congress	Biomacromolecule from medicinal plants – prospective Therapeutic agent	Paris, France	2018
18th Annual Pharmaceutical and Chemical Analysis Congress	Caffeic acid-derived polyether from medicinal plants, its synthetic monomer, methylated derivative of synthetic analogue and their comparative anticancer efficacy	Madrid, Spain	2018
18th Biotechnology Congress	Biopolyether of medicinal plants with anticancer efficacy	New York, USA	2017
6th World Congress on Biopolymers	New biopolymer from Comfrey: Chemistry and biological activity	Paris, France	2017
9th Annual European Pharma Congress	3-arylglyceric acid-derived plant polyether: Prospective therapeutic agent	Madrid, Spain	2017
JOINT EVENT on 9th WORLD BIOMARKERS CONGRESS and 20th International Conference on PHARMACEUTICAL BIOTECHNOLOGY	Plant macromolecule from different species of Boraginaceae family and its anticancer efficacy	Madrid, Spain	2017
18th Biotechnology Congress	Biopolyether of medicinal plants with anticancer efficacy	New York, USA	2017
JOINT EVENT on 5th International Conference on Bioplastics and 6th World Congress on Biopolymers	Formulation and technology development of natural biopolymer-containing films for burn treatment	Paris, France	2017
JOINT EVENT on 5th International Conference on Bioplastics and 6th World Congress on Biopolymers	Biopolymer from Anchusa italica (Boraginaceae)	Paris, France	2017
JOINT EVENT on 5th International Conference on Bioplastics and 6th World Congress on Biopolymers	New biopolymer from Comfrey: Chemistry and biological activity	Paris, France	2017
JOINT EVENT on 5th International Conference on Bioplastics and 6th World Congress on Biopolymers	Identification of biologically active compounds from Symphytum (Boraginaceae)	Paris, France	2017

Scientific event name	Title of the presentation	Event venue	Year
2nd International Conference and Exhibition on Marine Drugs and Natural Products	Natural polymer of plant origin, its synthetic basic monomeric moiety and their anticancer efficacy	London, UK	2017
2nd International Conference on PHARMACEUTICAL CHEMISTRY	Caffeic Acid-Derived Biopolyether from Medicinal Plants as Anticancer Agent	Barcelona, Spain	2017
6th World Congress on Medicinal Chemistry and Drug Design	Bioactive natural products from Symphytum (Boraginaceae)	Milan, Italy	2017
9th Annual European Pharma Congress	3-arylglyceric acid-derived plant polyether: Prospective therapeutic agent	Madrid, Spain	2017
2nd World Biotechnology Congress	Dihydroxyphenyl glyceric acid biopolyether of plant origin-prospective therapeutic agent Vakhtang Barbakadze	Sao Paulo, Brazil	2017
4th European Chemistry Congress	Plant Macromolecule from different species of Boraginaceae family, its synthetic monomer and their anticancer efficacy	Barcelona, Spain	2017
International Conference and Exhibition on Pharmaceutical Science and Pharmacognosy	Structure Characterization of Plant Biomacromolecule as Prospective Therapeutic Agent	Barcelona, Spain	2017
2nd Global Summit on Plant Science	Plant polyether with potential therapeutic effect	London, UK	2016
European Chemistry Congress	Biomacromolecule poly[3-(3,4-dihydroxyphenyl)glyceric acid] with potential therapeutic effect	Rome, Italy	2016
2nd World Congress on Biopolymers	Novel phenolic biopolyether with anticancer efficacy	Manchester, UK	2016
European Chemistry Congress	Synthesis of natural biologically active poly[3-(3,4-dihydroxyphenyl)-glyceric acid analogues	Rome, Italy	2016
4th International Conference on Medicinal Chemistry & Computer Aided Drug Designing	Natural biopolymer - poly[3-(3,4-dihydroxyphenyl)glyceric acid] from comfrey and its synthetic analogues	Atlanta, USA	2015
World Congress on Pharmacology	Plant biopolymers from Boraginaceae family species and their synthetic derivatives: prospective pharmacological agents	Brisbane, Australia	2015
9th Biotechnology Congress	Biomacromolecule from medicinal plants, its synthetic basic monomeric moiety and their anti-cancer activity	Orlando, Florida, USA	2015
5th World Congress on Biotechnology	Novel biologically active caffeic acid-derived biopolymer from different species of Boraginaceae family with potential therapeutic effect	Valencia, Spain	2014
ICPMSE 2014: 16th International Conference on Polymer Materials Science and Engineering	Biologically Active Caffeic Acid-Derived Biopolymer	Venice, Italy	2014
II International Scientific Conference “Pharmaceutical Sciences in XXI Century”	Biologically active polyethers from different species of Boraginaceae family and their synthetic derivatives:Prospective therapeutic agents	Tbilisi, Georgia	2014
6TH INTERNATIONAL CONFERENCE ON OXIDATIVE STRESS IN SKIN BIOLOGY AND MEDICINE	NATURAL PRODUCTS: SKIN PROTECTION	ANDROS, GREECE	2014

Scientific event name	Title of the presentation	Event venue	Year
3rd International Conference on Organic Chemistry	Synthesis of a monomeric moiety of natural polyether from comfrey and their comparative biological activity	Tbilisi, Georgia	2014
European Polymer Federation Congress (EPF2013)	Novel biologically active phenolic polymers from different species of genera Symphytum and Anchusa (Boraginaceae)	Pisa, Italy	2013
12th International Polymers for Advanced Technologies (PAT) Conference	NOVEL PHENOLIC POLYMER AS POTENTIAL THERAPEUTIC AGENT	Berlin, Germany	2013
1st European Conference on Natural Products: Research and Applications	Caffeic acid-derived polymer from bugloss (<i>Anchusa italica</i> Retz.)	Frankfurt am Main, Germany	2013
Third International Symposium Frontiers in Polymer Science In association with the journal polymer	Novel biologically active caffeic acid-derived polymer from different species of Boraginaceae family	Sitges (near Barcelona), Spain	2013
XXVth International Conference on Polyphenols	Novel biologically active dihydroxycinnamate-derived polyether from different species of Boraginaceae family	Florence, Italy	2012
International Conference on Chemistry for Health	Polyglyceric acid from Comfrey exerts anti-cancer efficacy against human prostate cancer via targeting androgen receptor, cell cycle arrest and apoptosis	Athens, Greece	2012
2nd International Symposium Frontiers in polymer science	Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Anchusa italica</i> Retz.	Lyon, France	2011
2nd International Conference on Analytical & Bioanalytical Techniques	Anti-cancer efficacy of novel phenolic polymer from <i>Symphytum asperum</i> and <i>S. caucasicum</i> (Boraginaceae) against androgen-dependent and -independent human prostate cancer cells	San Francisco, USA	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
ITP 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
ITP 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
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 moiety of a biologically active polyether isolated from <i>Symphytum asperum</i> and <i>S. caucasicum</i>	Sitges, Barcelona, Spain	2011

Scientific event name	Title of the presentation	Event venue	Year
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 <i>Symphytum asperum</i> , <i>S. caucasicum</i> and <i>Anchusa italica</i>	Amsterdam, The Netherlands	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
1st International Symposium on Secondary Metabolites. Chemical, Biological and Biotechnological Properties	Synthesis of some caffeic acid derived amides with supposed antioxidant activity. 1st International Symposium on Secondary Metabolites	Denizli, Turkey	2011
VIII International Conference "Bioantioxidant"	Poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Anchusa italica</i> Retz. roots and its antioxidant activity	Moscow, Russia	2011
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
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
Oxidants and Antioxidants in Biology. Oxygen Club of California. World Congress.	Allantoin- and pyrrolizidine alkaloids-free wound healing compositions from Caucasian species of comfrey (<i>Symphytum L.</i>)	Santa Barbara, California, USA	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 <i>Symphytum asperum</i> and <i>S. caucasicum</i>	Santa Barbara, California, USA	2010
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
Frontiers in polymer science, 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>	Mainz, Germany	2009
VII International Symposium on Phenolic compounds: Fundamental and application aspects	Synthesis and enantiomeric analysis of 3-(3,4-dihydroxyphenyl)glyceric acid – basic monomeric moiety of biologically active polyether from <i>Symphytum asperum</i> and <i>S.caucasicum</i>	Moscow, Russia	2009
Conference: Actual problems of chemistry natural compounds	Novel polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum asperum</i> and <i>S.caucasicum</i> , its synthetic monomer and their anti-cancer activity	Tashkent, Uzbekistan	2009

Scientific event name	Title of the presentation	Event venue	Year
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-activated hepatic sinusoidal endothelium	Andros, Greece	2008
7th Joint meeting of AFERP, ASP, GA, PSE&SIF	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>	Athens, Greece	2008
4th International Conference on oxidative stress in skin Medicine and Biology	Anti-cancer effects of poly[3-(3,4-dihydroxyphenyl)glyceric acid] from caucasian species of comfrey and its synthetic monomer	Andros, Greece	2008
II International Conference on Natural Products: Chemistry, Technology&Medicinal Perspectives	Structure of glucomannan and glucofructan from bulbs of <i>Galanthus platyphyllus</i> (Amaryllidaceae)	Almaty, Kazakhstan	2007
2nd Symposium International; Nutrition, Oxygen Biology and Medicine	Antioxidant, anticomplementary and TNF- α inhibitory activity of poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum officinale</i>	Paris, France	2007
Petra International Chemistry Conference and Transmediterranean Colloquium on Heterocyclic Chemistry	Synthesis of a new 3-(3,4-dihydroxyphenyl)glyceric acid – monomer of biologically active poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum asperum</i> and <i>S.caucasicum</i>	Tafila, Jordan	2007
3rd International Conference on Oxidative Stress in Skin Medicine and Biology	Antioxidant and anticomplementary and antiinflammatory activity of poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum asperum</i> and <i>S. caucasicum</i> (Boraginaceae)	Andros, Greece	2006
The International Conference “Advanced Biotechnology: Perspectives of Development in Armenia”	Wound healing agent from Caucasian species of comfrey (<i>Symphytum</i>)	Tsakhkadzor, Republic of Armenia	2006
10th International Symposium on Natural Product Chemistry	Poly[oxy-1-carboxy-2-(3,4-dihydroxyphenyl)ethylene, a biologically active polymer from the stems of <i>Symphytum asperum</i> and <i>S.caucasicum</i>	Karachi, Pakistan	2006
A joint meeting of Oxygen Club of California, University of Turin. Oxidants and Antioxidants in Biology	A new biologically active caffeic acid-derived polymer from <i>Symphytum asperum</i> and <i>S. caucasicum</i>	Alba, Italy	2005
The International Conference: New polymer systems for biotechnological and biomedical applications. Sponsored by International Science and Technology Centre (ISTC)	A new plant macromolecule to be used in burn wound management	Yerevan, Republic of Armenia	2005
VI Symposium on Phenolic Compounds	A new biologically active polymer of 3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum asperum</i> and <i>S. caucasicum</i>	Moscow, Russia	2004

Scientific event name	Title of the presentation	Event venue	Year
2nd International conference on natural products and physiologically active substances (ICNPAS-2004)	A new biologically active polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from <i>Symphytum asperum</i> and <i>S.caucasicum</i>	Novosibirsk, Russia	2004
50th Annual Congress of the Society for Medicinal Plant Research	The different anti-inflammatory activities of polymeric sub-fractions from <i>Symphytum asperum</i> and <i>S. caucasicum</i> might be related to differences in diferulate composition	Barcelona, Spain	2002
22nd IUPAC International Symposium on the Chemistry of Natural Products	Partial characterizatiopn of a new anticomplementary and antioxidative dihydroxycinnamate-derived polymer from <i>Symphytum asperum</i> Lepech	Sao Carlos –SP, Brazil	2000
20th International Carbohydrate Symposium	A new method for revealing of neokestose fragment in glucofructans of unusual neokestose type	Hamburg, Germany	2000
Fourth International Fructan symposium	A new method for revealing of neokestose fragment in glucofructans of unusual neokestose type	Arolla, Switzerland	2000
8th Seminar on Inulin	A comparative structural study of glucofructans from some plants of Georgia	Lille, France	1999
2000 Years of Natural Products Research. Past, present and future	A comparative structural study of glucofructans from some plants of Georgia	Amsterdam, The Netherlands	1999
9th European Carbohydrate Symposium EUROCARB 9	Isolation and investigation of a glucomannan from bulbs of <i>Scilla sibirica</i> Haw. (Liliaceae)	Utrecht, The Netherlands	1997
XVIII International Carbohydrate Symposium	Isolation and structural investigation of a glucofructan from bulbs of <i>Ornithogalum ponticum</i> Zahar. (Liliaceae)	Milano, Italy	1996
44th Annual Congress on Medicinal Plant Research. Prague	Isolation and characterization of glucans from roots of <i>Tamus communis</i> L. (Dioscoreaceae)	Prague, Czech Republic	1996
XVIIth International Carbohydrate Symposium	Isolation and structural investigation of a glucofructan from bulbs of <i>Muscari szovitsianum</i> Baker (Liliaceae)	Ottawa, Canada	1994
7th European Carbohydrate Symposium EUROCARB VII	Isolation and structural investigation of a glucomannan from the rhizomes of <i>Polygonatum glaberrimum</i> C.Koch (Liliaceae)	Cracow, Poland	1993
41th Annual Congress on Medicinal Plant Research	Isolation and structural investigation of a glucomannan from the rhizomes of <i>Polygonatum glaberrimum</i> C.Koch (Liliaceae)	Dusseldorf, Germany	1993
2nd European Colloquium on Ethnopharmacology – 11th International Conference on ethnomedicine. Medicines and foods: the ethnopharmacological approach	Peripheral blood lymphocytes proliferation-inducing activity of a glucofructan from the roots of <i>Symphytum asperum</i> Lepech. (Boraginaceae)	Heidelberg, Germany	1993

Scientific event name	Title of the presentation	Event venue	Year
4th and International Congress on Phytotherapy	Isolation and structural investigation of a galactoglucomannan from unripe fruits of <i>Tamus communis</i>	Munich	1992
Third International Conference on drug. Research in immunologic and infectious diseases. Immunomodulating drugs: synthesis, preclinical and clinical evaluation	Immunopharmacological study of glucofructan from <i>Symphytum asperum</i> roots	New York, USA	1992
16th International Carbohydrate Symposium	Isolation and structural investigation of a galactoglucomannan from unripe fruits of <i>Tamus communis</i>	Paris, France	1992
6th European Symposium on Carbohydrate Chemistry EUROCARB VI	Isolation and structural investigation of a glucofructan from <i>Symphytum caucasicum</i>	Edinburg, Scotland, UK	1991
39th Annual Congress on Medicinal Plant Research. Saarbrücken	Isolation and structural investigation of a glucofructan from <i>Symphytum caucasicum</i>	Saarbrücken, Germany	1991
International Symposium Biology and Chemistry of Active Natural Substances	Isolation and Structural Investigation of a Glucofructan from <i>Symphytum asperum</i>	Bonn, Germany	1990

Productivity index

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