Karen Mulkijanyan

Personal information

ID Number: 01008027963

Full name: Karen Mulkijanyan

Gender: Male

Date of birth: 12.02.1960

Citizenship: საქართველო (Georgia)

Contact Details

Email address: k.mulkijanyani@tsmu.edu

Call number: 555235829

Country: საქართველო (Georgia)

City: Tbilisi

Address: 20 Ateni street, apt.55

Languages

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

Education

Academic degree

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

Year obtained: 29.11.2005

Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	I.Kutateladze Institute of Pharmacochemistry, Georgiam Academy of Sciences		Pharmacy	2003	2005
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Tbilisi State Pedagogical Institute		Biology-Chemistry	1976	1981

Trainings / Seminars / Training courses

Training / Seminar / The theme of the course	Organization name	Start year	End year
Training course “Laboratory Animal Science: An International Perspective”	Walter Reed Army Institute of Research; the US Center for Disease Control; the Georgian National Center for Disease Control,	2015	
Working Together for Promoting Knowledge Transfer and IP Commercialization in Georgia (Meeting of National Knowledge Transfer Stakeholders)	WIPO; TTC of Georgia; Sakpatenti	2014	
AUTM Advanced Technology Operations and Organization Licensing Skills (TOOLS) Course	Association of University Technology Managers (AUTM),	2014	
Science & Technology Entrepreneurship Program Technology Commercialization Practicum-Dialogue	CRDF Global; GRDF; SRNSF	2013	
Workshop: Development of Coherent Innovation Policy in South Caucasian Countries and Moldova and Facilitation of Cooperation of SMEs with R&D	GRDF; SRNSF; PRAXI Help-Forward Network (Greece); IncoNet:	2013	
STEP Technology Enterpreneurship Workshop;	CRDF, Shota Rustaveli National Science Foundation	2011	

Training / Seminar / The theme of the course	Organization name	Start year	End year
Technology Transfer and Technology Licensing: Workshop on Structuring Sponsored Research Agreements between Life Sciences Companies and Georgian Academic Laboratories	United States Embassy in Georgia, United States Department of Commerce Commercial L aw Development Program (CLDP), GRDF	2010	
TECHNOLOGY TRANSFER AND TECHNOLOGY WORKSHOP LICENSING WORKSHOP	United States Embassy in Georgia, United States Department of Commerce Commercial L aw Development Program (CLDP), GRDF	2010	
From Idea to Market Workshop: Intellectual Property Protection	CRDF/GRDF	2009	
From Idea to Market Workshop	CRDF/GRDF	2008	
Training: Basics of computer science	Georgian Academy of Sciences, Institute of Applied Mathematics	1989	
Training: Work with radioactive isotopes and radioactive emission	Georgian Academy of Sciences	1988	
Training in High Performance Liquid Chromatography	Oryol Plant of Scientific Devices, PO "Nauchpribor", Russia	1988	

Projects

Completed projects

Project title	Position	Project head	Start Date	End Date	Donor
სამოგზაურო გრანტი MG-TG-18-1734 (16th Global Summit on Toxicology and Applied Pharmacology, Las Vegas, USA)	Winner-partcipant	Karen Mulkijanyan	14.10.2018	16.10.2018	SRNSF
Travel Grant TG16_4_062 (3rd World Congress on Pharmacology, Birmingham, UK)	Winner participant	Karen Mulkijanyan	08.08.2016	10.08.2016	SRNSF
Travel Grant 2015_tr_798 (World Congress on Pharmacology, Brisbane, Australia)	Winner participant	Karen Mulkijanyan	20.07.2015	22.07.2015	SRNSF
Georgia Business Partnership Grant (BPG) BPG Grant N A60794 Rapid identification of the etiological factors causing diarrheal diseases using multiplex real-time PCR approach	IP protection	George Kamkamidze	01.06.2014	01.06.2016	CRDF Global /GRDF
STEP 2013 Georgia Travel Grant (for AUTM Annual Meeting, San Francisco, USA)	Winner participant	Karen Mulkijanyan	19.02.2014	22.02.2014	CRDF Global
DI/20/8-404/12 Phytochemical study of different polar extracts from Georgian Ivies and evaluation of their anti-ulcer efficacy	Research Scientist	Vakhtang Mshvildadze	01.01.2013	31.12.2014	SRNSF
AR/109/8-403/11 Development of modern II stage wound healing preparations on the basis of novel plant biopolymer	Research Scientist	Aliosha Bakuridze	02.04.2012	31.03.2014	SRNSF
GNSF-ST08-6-469: Biopolymer from Symphytum asperum and S.caucasicum and its synthetic analogs: prospective wound-healing agents.	Project Manager	Vakhtang Barbakadze	01.03.2009	28.02.2011	GNSF
BPG STEP (# BPG – 01/08): Medical bactericidal glue GF-6.	Research Scientist	Ramaz Katsarava	01.01.2008	31.12.2008	CRDF/GNSF/GRDF
GEB2-3344-TB-06: 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	Research Scientist	Vakhtang Barbakadze	01.06.2007	31.12.2008	CRDF/GRDF

Scientific Fields

Main Field

Field: 3. Medical and health sciences

Sub-Field: 3.1 Basic medicine

Subject area: 3.1.5 Pharmacology and pharmacy

Additional Field (1)

Field: 1. Natural sciences

Sub-Field: 1.6 Biological sciences

Subject area: 1.6.4 Biochemical research methods

Additional Field (2)

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
Caucasus International University	Faculty of Medicine	Professor	Lecture courses in General and Systems Pharmacology and Pharmacotherapy	29.07.2015
TSMU I.Kutateladze Institute of Pharmacochemistry	Department of Preclinical Parmacological Research	Head of the Department, Principal Research Scientist	Management of the department, determination of the research priorities	30.08.2006

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
I.Kutateladze Institute of Pharmacochemistry	Department of Pharmacology	Researcher	Research activities in the area of anti-inflammatory, ulcer preventive, burn and wound healing drugs; analysis of structure-activity relationship (SAR) and prediction of bioactivity of natural, modified and synthesized compounds	08.09.1987	29.07.2006

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"	P 5391	2012
Ointment "Bentastatin for treatment of fungal infections and inflammatory processes of the skin and mucous membranes	National Intellectual Property Center of Georgia "Sakpatenti"	P20002178	2000

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	S Khubulava, N Chichiveishvili, N Shavshishvili, K Mulkijanyan, N Khodeli, M Jangavadze, Z Tsagareli, M Dgebuadze, G Phichkhaia	Effect of High Dose of Selenium Nanoparticles on Alimentary Tract in Rodents	Journal of Nanomedicine & Nanotechnology, v.10(2)	2019
Article	A.Gaprindashvili, D.Berashvili, G Mikaia, N.Antelava, K. Mulkijanian, A. Bakuridze	Pharmacotechnical evaluations of clays spread in Adjara region	Experimental and Clinical Medicine. TSMU Pubs., 1, 37-43	2019
Article	Mulkijanyan K., Novikova Zh., Gogitidze N., Sulakvelidze M., Mushkiashvili N	Steroidal compounds of vegetable origin in treatment of circulatory disorders	Journal of Clinical Pharmacology & Biopharmaceutics, vol.8, p.22-23	2019
Article	Tsertvadze A., Matchutadze I., Berashvili, D. Ebralidze L., Mulkijanyan K, Bakuridze K., Bakuridze A.	Chemical and pharmaco-technological evaluation of Adjara region peat peloids	Bol Soc Esp Hidrol Med 33(S1): 311	2018

Type	Authors	Publication title	Source title	Year
Article	Gaprindashvili A., Masiukovichi T., Mikaia G., Be(he)rashvili D., Antelava N., Mulkijanyan K, Bakuridze A.	Pharmacotechnical evaluation of clays spread in Adjara región.	Bol Soc Esp Hidrol Med 33(S1): 314	2018
Article	Masiukovichi T., Gaprindashvili A., Murtazashvili T., Mulkijanyan K, Kakulia N., Okujava M., Bakuridze A.	Results of chemical and pharmacological research of sulphide peloids of Adjara región	Bol Soc Esp Hidrol Med 33(S1): 310	2018
Article	K.Mulkijanyan	The pharmacological potency of plant polymers in the prevention/treatment of peptic gastric ulcer	Journal of Forensic Toxicology & Pharmacology, v.7, 28.	2018
Article	T.Masiukovichi, A.Bakuridze, T.Murtazashvili, K.Mulkijanyan	Study of Anti-Inflammatory Activity of the Adjara Region Ardagani Lake Peloid and its Containing Hydrogel	J. Experimental and Clinical Medicine, # 7, pp-66-69.	2018
Article	K.Mulkijanyan	Introduction to Journal of Medical Toxicology Research (editorial)	Journal of Medical Toxicology Research	2017
Article	Gokadze S., Barbakadze V., Mulkijanyan K., Bakuridze L., Bakuridze A.	Formulation and Technology Development of Herbal Phenolic Biopolymer-Containing Films for Burn Treatment	Georgian Medical News, No 6 (267)	2017
Article	K.Mulkijanyan	Back to the Future: Low-intensity Factors. (editorial)	EC Pharmacology and Toxicology, v.3 no.6, pp.155-156.	2017
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 Medical News, No 1 (262)	2017
Article	Kamkamidze G., Migriauli I., Razmadze D., Kochlamazashvili M., Mulkijanyan K., Butsashvili M.	Rapid Identification of the Etiological Factors Causing Diarrheal Diseases	Georgian Medical News, No 9 (258), pp. 89-93	2016
Article	B.J.Taylor, K.Mulkijanyan, L.Chitiashvili, M.Ramishvili, K.Mchedlishvili	An overview of laboratory animal science in the nation of Georgia	Lab Animal. vol.45, No 11, pp. 415-417	2016
Article	K. Mulkijanyan	Biologically active compounds of plant origin and their synthetic derivatives: prospective therapeutic agents	Clinical & Experimental Pharmacology, v.6, n.4, p.23	2016
Article	N Kavtaradze, N Nizharadze, K Mulkijanyan, K Shalashvili, M Alania E. Kemertelidze	Prospective drugs on the basis of bioactive phenolic compounds from some plants of Georgian flora	Clinical & Experimental Pharmacology, v.6, n.4, p.81	2016
Article	K.Mulkijanyan, V.Barbakadze, L.Gogilashvili, L.Amiranashvili, M.Merlani, Zh. Novikova, M. Sulakvelidze	Plant Biopolymers from Boraginaceae Family Species and their Synthetic Derivatives: Prospective Pharmacological Agents	Clinical & Experimental Pharmacology, v.5, n.4, p.46	2015
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)	Journal of Chemical Engineering and Chemistry Research Vol. 1, No. 1, pp. 47-53	2014
Article	Mulkijanyan K., Novikova Zh., Sulakvelidze M., Getia M., Mshvildadze V., Dekanosidze G.	Ivy water extracts as gastric ulcer preventive agents	Georgian Medical News ,No 11 (224), pp. 63-66	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., v.7, N 2, p. 136-142.	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.	Bull. Georg. Natl. Acad. Sci., v.7, N 1, p. 83-88.	2013
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) glyce-ric acid] from comfrey exerts anti-cancer efficacy against human prostate cancer via targeting androgen receptor, cell cycle arrest and apoptosis.	Carcinogenesis, vol.33, no.8, pp.1572–1580	2012
Article	K. Mulkijanyan, Zh. Novikova, M. Sulakvelidze, K. Shalashvili, E. Kemertelidze	Antiviral drug Rodopes: evaluation of wound healing activity	Georgian Medical News, N3 (204), 84-88	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	Bull. Georg. Natl. Acad. Sci., v.5, N 3, p. 107-111	2011

Type	Authors	Publication title	Source title	Year
Article	V.Barbakadze, M.Merlani, L.Gogilashvili, L.Amiranashvili, K.Mulkijanyan, E. Shaburishvili	Extraction, composition and the antioxidant and anticomplement activities of high molecular weight fractions from the leaves of Symphytum asperum and S. caucasicum.	Pharmaceutical Chemistry Journal, Springer US,, vol. 44, no. 11, 604-607	2011
Article	V.Barbakadze, L.Gogilashvili, L.Amiranashvili, M.Merlani, K.Mulkijanyan	Spectrophotomertric Quantitative Determination of Poly[3-(3,4-Dihyd-roxyphenyl)Glyceric Acid]	Bull. Georg. Natl. Acad. Sci., v.4, N 3, p. 123-126	2010
Article	Mulkijanyan K., Novikova J., Sulakvelidze M.	Novel protective agent GF-6 for skin wounds	Georgian Medical News, No 9(186), pp.67-72	2010
Article	M. I. Sikharulidze, N. Sh. Nadaraia, M. L. Kakhabrishvili, N. N. Barbakadze and K.G. Mulkidzhanyan	Synthesis and biological activity of several steroidal oximes	Chemistry of Natural Compounds, Vol. 46, No 3, p. 493-494	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 Retz. Roots	Natural Product Communications, v.5, N 7, p. 1091-1095	2010
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., v.3, N 3, p. 114-117	2009
Article	V.Barbakadze, K.Mulkijanyan, L.Gogilashvili, L.Amiranashvili, M.Merlani, Zh. Novikova, M. Sulakvelidze	Wound healing allantoin- and pyrrolizidine alkaloids-free compositions from S. asperum.	Bull. Georg. Natl. Acad. Sci. 2009, v.3, N 1, 159-164.	2009
Chapter in book	N. S. Vachnadze, E. Z. Jakeli, V. Yu. Vachnadze, D. M. Tsakadze, Sh. A. Samsonia, K.G.Mulkijanyan, Zh. N. Novikova	Chapter 15. Steroidal alkaloids from the leaves of Buxus colchica: structure and pharmacology	In: Compounds and Material with Specific Properties. Eds.: B.A.Howell et al., Nova Science Publ., Inc. N-Y, 2008,	2008
Article	M.I.Merlani, L.Sh.Amiranashvili, K.G. Mulkidzhanyan, A.R. Shelar, and F.V. Manvi	Synthesis and antituberculosis activity of certain steroidal derivatives of the 5α-series	Chemistry of Natural Compounds, Springer US, vol. 44, no. 5, pp. 618-620	2008
Article	M. I. Merlani, L. Sh. Amiranashvili, K. G. Mulkidzhanyan, A. R. Shelar.	Synthesis and antitumor activity of some 5α-steroid derivatives	Chemistry of Natural Compounds, Springer US, vol. 44, no. 6, pp. 819-820	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	Bulletin of the Georgian National Academy of Sciences, v.II, No.3, p.108-112.	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	Bulletin of the Georgian National Academy of Sciences, v.2, No.2, p.85-89	2008

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
International Multidisciplinary Conference on Biomedicine "BIOMED-2019"	Legislative Aspects of Biomedical Research in Georgia	Tsikhisdziri, Georgia, May 18-19	2019
24th World Congress on Pharmacology	Steroidal compounds of vegetable origin in treatment of circulatory disorders	Vienna, Austria	2019
International Scientific Conference “GREEN MEDICATIONS - BY GREEN TECHNOLOGIES - FOR HEALTHY LIFE”	The healing potential of steroidal compounds from yucca gloriosa	Tbilisi, Georgia	2019
International Scientific Conference “GREEN MEDICATIONS - BY GREEN TECHNOLOGIES - FOR HEALTHY LIFE”	Glycosides from Tribulus terrestris - analgesics with minor gastrotoxicity	Tbilisi, Georgia	2019
70th AALAS Meeting	Building of IACUCs System in Georgia: Story of Success	Denver, CO, USA	2019
70th AALAS Meeting	Strategy for the Implementation of Biomedical Research Legislation in Countries in Transition: Georgian Experience	Denver, CO, USA	2019
16th Global Summit on Toxicology and Applied Pharmacology,	The pharmacological potency of plant polymers in the prevention/treatment of peptic gastric ulcer	Las Vegas, USA	2018

Scientific event name	Title of the presentation	Event venue	Year
Biosurveillance Network of the Silk Road (BNSR-2018)	Establishment of National Animal Care and Use Policy in Georgia	Adjara, Georgia	2018
FELASA Board of Management Meeting	Georgian Association for Laboratory Animal Science	Madrid, Spain	2018
World Congress on Pharmacology and Chemistry of Natural Compounds	Novel API from Comfrey	Tbilisi, Georgia	2017
International Scientific Conference „FUTURE TECHNOLOGIES AND QUALITY OF LIFE“	Wound Healing Gels on the Basis of Plant Biopolymer	Batumi, Georgia	2017
6th World Congress on Biopolymers	Formulation and technology development of natural biopolymer-containing films for burn treatment.	Paris, France	2017
3rd World Congress on Pharmacology	Biologically active compounds of plant origin and their synthetic derivatives: prospective therapeutic agents	Birmingham, UK	2016
26th International Symposium on Pharmaceutical and Biomedical Analysis	Synthetic analogues of poly [3-(3,4-dihydroxyphenyl)glyceric acid] isolated from comfrey	Tbilisi, Georgia	2015
World Congress on Pharmacology	Plant Biopolymers from Boraginaceae Family Species and their Synthetic Derivatives: Prospective Pharmacological Agents	Brisbane, Australia	2015
3rd International Conference on Pharmaceutical Sciences	Novel biomacromolecule from medicinal plants: prospective therapeutic agent.	Tbilisi, Georgia	2015
3rd International Conference on Organic Chemistry	SYNTHESIS OF A BASIC MONOMERIC MOIETY OF NATURAL POLYETHER FROM COMFREY AND THEIR COMPARATIVE BIOLOGICAL ACTIVITY	Tbilisi, Georgia	2014
II International 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
12th International PAT Conference	Novel phenolic polymer as potential therapeutic agent	Berlin, Germany	2013
1st European Conference on Natural Products: Research and Aplications	Caffeic acid-derived polymer from bugloss (Anchusa italica Retz.).	Frankfurt am Main, Germany	2013
XXVI International Conference on Polyphenols.	Novel biologically active dihydroxy-cinnamate-derived polyether from different species of Boraginaceae family	Florence, Italy	2012
International Conference on Chemistry for Health	Poly[3-(3,4-dihydroxyphenyl) glyce-ric acid] from comfrey exerts anticancer efficacy against human prostate cancer via targeting androgen receptor, cell cycle arrest and apoptosis.	Athens, Greece	2012
First International Symposium on Secondary Metabolites: Chemical, Biological and Biotechnological Properties (ISSMET-2011)	Wound-Healing Agent from Symphytum Asperum and S.Caucasicum	Denizli, Turkey	2011
Fifth International Symposium on the Separation and Characterization of Natural and Synthetic Macromolec ules	Biologically active poly[oxy-1-carboxy-2-(3,4-dihydroxyphenyl)ethylene] from Symphytum asperum, S.caucasicum and Anchusa italica	Amsterdam, The Netherlands	2011
OCC' 2010. OXIDANTS AND ANTIOXIDANTS IN BIOLOGY	Allantoin- and pyrrolizidine alkaloids-free wound healing compositions from Caucasian species of comfrey (Symphytu m L.)	SANTA BARBARA, CALIFORNIA, USA	2010
International Sypmosium “Frontiers in polymer sciences”	Novel anti-cancer polymer poly[3-(3,4-dihydroxyphenyl)glyceric acid] from Symphytun asperum and S.caucasicum	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

Productivity index

#	Citation index	h-index
Google scholar	233.00	9.00