

# Liana Nadirashvili

## Personal information

## Contact Details

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Full name: Liana Nadirashvili

Call number: 555-753324

Gender: Female

Country: საქართველო (Georgia)

Date of birth: 10.06.1958

City: Tbilisi

Citizenship: საქართველო (Georgia)

Address: Mtckheta st. 27

## Languages

Language	Writing	Reading	Speaking
English	B2	B2	B1
Russian	C1	C1	C1
ქართული (Georgian)	C2	C2	C2

## Education

### Academic degree

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

Year obtained: 01.11.1989

### Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	Georgian Akademic Scientist Institute of Biochemistry		Biochemistry	1983	1989
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Tbilisi state university	საქართველო (Georgia)	Organic chemistry	1975	1980

## Projects

### Completed projects

Project title	Position	Project head	Start Date	End Date	Donor
Study of Modified Complex of Papaya Proteasys for the Development of Pharmaceutical Formulation	Project manager	Liana Nadirashvili	01.01.2010	01.01.2012	STCU - Shota Rustaveli National Science Foundation of Georgia
Modification of Complex of Papaya Proteases by synthetic biodegradable polymeric carriers as a potential injection	scientist-researcher	Giorgi Erkomaishvili	01.01.2007	01.01.2009	STCU-Shota Rustaveli National Science Foundation of Georgia

## Scientific Fields (2018-2020)

### Main Field

Field: 1. Natural sciences

**Scientific Fields (2021-2024)****Main Field**

Field: 2. Life Sciences

Sub-Field: 2.1 Molecular Biology, Biochemistry, Biophysics, Structural Biology

Subject area: 2.1.2 Biochemistry

**Additional Field (1)**

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.5 Synthetic Chemistry and Materials

Subject area: 1.5.14 Macromolecular chemistry

**Employment History****Current place(s) of employment**

Workplace	Name of the work department	Position	Main responsibilities	Start Date
TSMU Iovel Kutateladze Institute of Pharmacochemistry	Phytochemistry Department Enzymology Direction	principal researcher	Production of proteolytic enzyme containing medicinal products, enzyme assisted extraction of bioactive compounds from plants	22.09.1980

**Work experience**

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
All-Union Cardiology Research Center	Laboratory of enzymology of the Institute of Cardiology	Business trip	The immobilization of papain with the soluble biodegradable polymers	10.05.1983	09.06.1989

**Scientific Productivity****Patents**

Patent name	Issuing organization	Registration number	Year of Issue
Ointment carypazym	Sakpatenti	U 2017 1955 Y	2017
Gels for electrothrapy	Sakpatenti	U 2016 1919 Y	2016
A composition of necrolytical and antimicrobial ointment	Sakpatenti	GE U 2009 1570 Y.	2009
The method of obtaining of stabilized form of papain	USSR	N1421770,	1988

**Article / Monograph / Manual**

Type	Authors	Publication title	Source title	Year
Article	T. korinteli, N. Gorgaslidze, L. Nadirashvili, G. Erkomaishvili, M. Getia	Plant proteases, their properties and therapeutic use	Exsperimental and clinical medicine, No. 4, pp. 56-62	2022
Article	T. korinteli, N. Gorgaslidze, A. Bakuridze, L. Nadirashvili, G. Erkomaishvili	Composition and Technology of natural and modified bromelain gels	Experimental and Clinical Medicine, No. 6, pp. 8-13.	2022
Article	T. Korinteli, N. Gorgaslidze, L. Nadirashvili, G. Erkomaishvili	The Chemical Modification of Bromelain With Dextran Aldehyde and its potential chemical application.	Georgian Medical News, no 6 (315), pp. 185-189.	2021

Type	Authors	Publication title	Source title	Year
Article	D. Lagazidze, M. Orjonikidze, G. Tsagareishvili, L. Nadirashvili, G. Erkomaishvili	Development of technologies and formulations of Carica Papaya protease liposomes	THE II INTERNATIONAL SCIENTIFIC-PRACTICAL INTERNET-CONFERENCE MODERN PHARMACY – SCIENCE AND PRACTICE - Collection of works.	2020
Article	N. Gorgaslidze, M. Getia, L. Nadirashvili, G. Erkomaishvili	Validation of analytical method to measure bromelain activity in gel formulation	IJSRM/HUMAN, June 2018 vol.:9, 4, 55-60.	2018
Article	N. Gorgaslidze, L. Nadirashvili, G. Erkomaishvili, N. Nizharadze	Metrological characteristics of the method for determining the activity of ficin - a proteolytic enzyme in the latex of immature fruits of fig trees (Ficus carica)	“Experimental and clinical medicine”	2018
Article	N. Gorgaslidze, G. Erkomaishvili, N. Nizharadze, L. Nadirashvili.	The study of some properties of papain containing gels.	Proceeding of the Georgian National Academy of sciences, Chemical series	2016
Article	N. Gorgaslidze, L. Nadirashvili, G. Erkomaishvili, N. Nizharadze	Comparative study of some physico-chemical properties of fruit bromelain and stem bromelain from ananas comosus for development of the methods of standartization.	Proceeding of the Georgian National Academy of sciences, Chemical series	2016
Article	Erkomaishvili G., D. Chanturia, L. Vadachkoria, L. Nadirashvili	Dried ointment based on the complex of papaya proteases	Tbilisi State Medical University Collection of scientific works XLVI	2012
Article	L.A. Nadirashvili, G.S. Erkomaishvili, D.G. Chanturia, L.V. Vadachkoria, I.A. Dadeshidze, G.A. Jokhadze, N.M. Zavrashvili and R.D. Katsarava.	Simplified Synthesis of Biodegradable Polyamide Carriers on the Basis of Lysine and their Application for the Chemical Modification of the Complex of Papaya (Carica papaya) Proteases	Georgian International Journal of Science and Technology, NOVA Publishers	2011
Article	M. Orjonikidze, D. Chanturia, L. Nadirashvili	Elaboration of the assay for the determination of proteolytic activity of suppositories made from commercial papain	Collected Scientific Works "Investigation of Georgian Biologically Active Compounds of Plant and Mineral Origin"	2010
Article	D. Chanturia, L. Vadachkoria, L. Nadirashvili, G. Erkomaishvili	Establishment of optimal conditions for the determination of the proteolytic activity of papaya proteinase complex	Collected Scientific Works "Investigation of Georgian Biologically Active Compounds of Plant and Mineral Origin"	2010
Article	G. Erkomaishvili, L. Vadachkoria, L. Nadirashvili, D. Chanturia	Apparatus and method for in vitro study of iontophoretic permeation of proteolytic enzymes through the animal's skin	Collected Scientific Works "Investigation of Georgian Biologically Active Compounds of Plant and Mineral Origin"	2009
Article	G. Erkomaishvili, D. Chanturia, L. Vadachkoria, L. Nadirashvili,	Method of determination of the proteolytic activity of karipazim	Collected Scientific Works "Investigation of Georgian Biologically Active Compounds of Plant and Mineral Origin"	2009
Article	G. Erkomaishvili, L. Nadirashvili, D. Chanturia, L. Vadachkoria, I. Dadeshidze	Chemical modification of the complex of the enzymes of papaya by the polymeric ligands	Collected Scientific Works "Investigation of Georgian Biologically Active Compounds of Plant and Mineral Origin"	2009

### Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
International scientific conference "Chemistry - achievements and perspectives" dedicated to the 90th anniversary of the birth of academician Givi Tsintsadze	Rheological Study of natural and modified bromelain containing gels	Tbilisi, Georgia	2023
INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE “Georgian Scientific Pharmacy: Past and Present” dedicated to TSMU Pharmacochemistry Institute 90th and Academician Iovel Kutateladze 135th anniversary, October 1,2, pp. 44-45.	Development of gels for the treatment of musculoskeletal disorders from native and modified bromelain	Tbilisi, Georgia	2022
INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE “Georgian Scientific Pharmacy: Past and Present” dedicated to TSMU Pharmacochemistry Institute 90th and Academician Iovel Kutateladze 135th anniversary, October 1,2, pp. 44-45.	Chemical modification of bromelain with dextran aldehyde for its therapeutic use in musculoskeletal disorders.	Tbilisi, Georgia	2022

Scientific event name	Title of the presentation	Event venue	Year
Internacional scientific-practical symposium "100 years of success and quality", ,	Kinetics of papain release from a lyophilized liposomal form	Kharkiv, Ukraine, October 18	2021
International Scientific Conference "GREEN MEDICATIONS - BY GREEN TECHNOLOGIES - FOR HEALTHY LIFE"	Comparative analysis of protein determination methods in bromelain.	Tbilisi, Georgia	2019
6th International Conference and Exhibition on MATERIALS SCIENCE AND CHEMISTRY	Development of methods for quantitative determination of bromelain on gel formulation.	Rome, Italy	2018
The 4th Conferences of Georgian National Academy of sciences "Natural and synthetic biological active materials"	Metrological characteristics of the method for determining the elastase activity of bromelain containing gels.	Tbilisi, Georgia	2018
World Congress on Pharmacology and Chemistry of Natural Compounds	Development of protease containing medicinal forms.	Tbilisi, Georgia	2017
International Scientific Conference „Future Technologies and Quality of Life”	Selection of bases for enzyme containing gels	Batumi, Georgia.	2017
Biopolimer Congress and Bioplastics	The study of some properties of papain and bromelain containing gels	Paris, France	2017
6th World Congress on Medicinal Chemistry and Drug Design	Development of analytical procedur for the standardization of bromelain from the pineapple ( <i>Ananas comosus</i> (L.)Merr.).	Milan, Italy	2017
Modern researches and prospects of their use in chemistry, chemical engineering and related fields. International Scientific Conf.	Comparative study of some physico-chemical properties of fruit bromelain and stem bromelain from ananas comosus for development of the methods of standartization. – ,, abstr. p.148.	Ureki, Georgia	2016
Modern researches and prospects of their use in chemistry, chemical engineering and related fields. International Scientific Conf.	The study of some properties of papain containing gels.	Ureki, Georgia	2016
The 3rd konferences of Georgian National Academy of sciences "Natural and synthetic biological active materials"	A Study of proteolytic activity in bromelain containing gels	Tbilisi, Georgia	2016
3rd International Conference on Pharmaceutical sciences	Some of the physico-chemical properties of bromelain.	Tbilisi, Georgia.	2015
The 2nd konferences of Georgian National Academy of sciences "Natural and synthetic biological active materials"	Investigation of chemical modified complex of proteases of papaya	Tbilisi, Georgia	2013
70th Internacional Congress of FIP	Pharmaceutical formulations of complex of papaya proteases	Lisbon, Portugal	2010
Republican scientist conf. "Natural and synthetic biological active materials"	Chemical modified complex of proteinas of papaya with biodegradebel polymers	Tbilisi, Georgia	2010
FIP Pharmaceutical Sciences World Congress	Simplified Synthesis of Biodegradable Polyamide Carriers and Their Application for the Chemical Modification of the Complex of Papaya Proteases.	New Orlean, USA	2010
64th Congress International Federation of Pharmaceutics	Chemical Modification of Papaya Proteases with polymeric carriers	Basel, Switzerland	2008

### Productivity index

#	Citation index	h-index
Google scholar	4.00	1.00