

Nana Barbakadze

Personal information

Contact Details

Full name: Nana Barbakadze

Email address: n.barbakadze@tsmu.edu

Gender: Female

Call number: 577575626

Date of birth: 31.05.1977

Country: საქართველო (Georgia)

City: Tbilisi

Citizenship: საქართველო (Georgia)

Languages

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

Education

Academic degree

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

Year obtained: 15.09.2010

Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	Iv. Javakhishvili Tbilisi State University		Chemistry	2001	2010
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Iv. Javakhishvili Tbilisi State University		Chemistry of Natural Compounds	1998	2000
Bachelor/BS, BA, BE or other equivalent	Iv. Javakhishvili Tbilisi State University		Chemistry	1994	1998

Projects

Ongoing projects

Project title	Position	Project head	Start Date	Donor
Young scientists' research grant grant (YS-2016-51) "Potential Bioactive Steroidal Nitrogen – containing Compounds"	Recipient of grant	Nanuli Nadaraia	12.12.2016	Shota Rustaveli National Science Foundation
Basic research grant (#217560) "Synthesis and pharmacological research of potential bioactive nitrogen-containing 5 α -steroids"	Project coordinator	Nanuli Nadaraia	12.12.2016	Shota Rustaveli National Science Foundation

Completed projects

Project title	Position	Project head	Start Date	End Date	Donor
Young scientists internships abroad grant (#04/07) "Synthesis of new thioacylation reagents in order to receive of potential bioactive compounds"	Recipient of grant	Alan Roy Katritzky	04.03.2013	01.08.2013	Shota Rustaveli National Science Foundation
Basic research grant (#406) "Potentially active steroidal compounds. Synthesis and pharmacological research"	Support personnel	Madona Sikharulidze	07.04.2009	07.04.2011	Lepl Georgian National Science Foundation

Scientific Fields

Main Field

Field: 1. Natural sciences

Sub-Field: 1.4 Chemical sciences

Subject area: 1.4.1 Organic chemistry

Employment History

Current place(s) of employment

Workplace	Name of the work department	Position	Main responsibilities	Start Date
LEPL Tbilisi State Medical University Iovel Kutateladze Institute of Pharmacochimistry	Department of Plant Biopolimers and Chemical Modification of Natural Compounds	Scientist researcher	Chemical modification of steroidal compounds	01.08.2018

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
LEPL Tbilisi State Medical University Iovel Kutateladze Institute of Pharmacochimistry	Laboratory of chemical modification of natural compounds	Scientist researcher	Chemical modification of steroidal compounds	08.02.2012	01.08.2018
Iovel Kutateladze Institute of Pharmacochimistry	Laboratory of chemical modification of natural products	Laboratory assistant	Synthesis of potential biologically active compounds	02.12.2008	08.02.2012
90 public school	90 public school	Teacher of chemistry	Teaching of chemistry	17.09.2007	01.12.2008

Scientific Productivity

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	N. Sh. Nadaraia, M. L. Kakhabrishvili, N. N. Barbakadze, V. D. Mshvildadze, K. G. Mulkijanyan, A. Pichette	Synthesis and cytotoxicity of 5 α -pregnan-3 β -ol-20-one hydrazones	Chemistry of Natural Compounds	2021
Article	N. Sh. Nadaraia, N. N. Barbakadze, V. D. Mshvildadze, B. Sylla, J. Legault, A. Pichette	Synthesis and cytotoxicity of epiandrosterone hydrazones	Chemistry of Natural Compounds	2020
Article	N. Nadaraia, N. Barbakadze, M. Kakhabrishvili, V. Mshvildadze	Synthesis And Biological Activity Of Hydrazones Of 5 α -Steroids	Research Journal of Pharmaceutical, Biological and Chemical Sciences	2019

Type	Authors	Publication title	Source title	Year
Article	N. Sh. Nadaraia, L. Sh. Amiranashvili, M. Merlani, M. Kakhabrishvili, N. N. Barbakadze, A. Geronikaki, A. Petrou, V. Poroikov, A. Ciric, J. Glamoclija, M. Sokovic	Novel antimicrobial agents, discovery among the steroid derivatives	Steroids	2019
Article	N.Sh.Nadaraia, N.N.Barbakadze, M.L.Kakhabrishvili, B.Sylla, A.Pichette, U.S.Makhmudov	Synthesis and biological activity of several modified 5 α -androstanolone derivatives	Chemistry of Natural Compounds	2018
Article	N. Sh. Nadaraia, M. L. Kakhabrishvili, N. N. Barbakadze, V. D. Mshvildadze, B. Sylla, J. Legault, A. Pichette	Synthesis and Biological Activity of of Steroidal Tigogenin Hydrazones and Pyrazolines	Chemistry of Natural Compounds	2018
Article	N. Nadaraia, M. Kakhabrishvili, N. Barbakadze, V. Mshvildadze, B. Sylla, A. Pichette	Synthesis of some 5 α -Androstano[17,16-d]pyrazoles from Tigogenin	Bulletin of the Georgian National Academy of Sciences	2018
Article	N. Sh. Nadaraia, M. L. Kakhabrishvili, N. N. Barbakadze, A.Pichette	Synthesis of 3 β -acetoksi-1'-aryl-3'-methyl-5 α -androstano[17,16-d]pyrazolines	Georgian Chemical Journal	2017
Article	N. Nadaraia, M. Kakhabrishvili, N. Barbakadze	Synthesis of some derivatives of 17 α -amino-5 α -androstan-3 β -ole	Georgian Chemical Journal	2017
Article	N.Sh.Nadaraia, E.O.Onashvili, M.L.Kakhabrishvili, N.N.Barbakadze, B.Sylla, A.Pichette	Synthesis and antiviral activity of several N-containing 5 α -steroids	Chemistry of Natural Compounds	2016
Article	N.N.Barbakadze, N.Sh.Nadaraia, M.L.Kakhabrishvili, E.O.Onashvili, A.R.Katritzky	Synthesis from tigogenin of 17 β -amino-5 α -androstan-3 β -ol peptide derivatives	Chemistry of Natural Compounds	2016
Article	N. Nadaraia, N.Barbakadze, M. Kakhabrishvili	Some derivatives of 5 α -androstane series modified by N-protected amino acids	Georgia Chemical Journal	2016
Article	N.Sh.Nadaraia, M.L.Kakhabrishvili, N.N.Barbakadze E.O.Onashvili	Synthesis of hydrazones of 5 α -androst-2-en-17-one	Georgia Chemical Journal	2015
Article	N. Sh. Nadaraia, M. L. Kakhabrishvili, N. N. Barbakadze, E. O. Onashvili	Synthesis of 3 β -substituted steroidal thioesters from tigogenin	Georgia Chemical Journal	2014
Article	N.N. Barbakadze, R.A. Jones, N.R. Rosario, N.Sh. Nadaraia, M. L. Kakhabrishvili, C. D. Hall, A.R. Katritzky	Chemical modification of oximes with N-protected amino acids	Tetrahedron	2014
Article	N. Sh. Nadaraia, M. L. Kakhabrishvili, E. O. Onashvili, N. N. Barbakadze, M. Z. Getia, A. Pichette, M. I. Sikharulidze, U. S. Makhmudov	Synthesis of several 5 α -androstano[17,16-d]pyrazolines from tigogenin	Chemistry of Natural Compounds	2014
Article	N. Sh. Nadaraia, M. L. Kakhabrishvili, N. N. Barbakadze, M. I. Sikharulidze	Synthesis of some derivatives of 17 β -amino-5 α -androst-2-en-17-one	Georgia Chemical Journal	2013
Article	Sikharulidze M., Nadaraia N., Kakhabrishvili M., Barbakadze N.	Synthesis and biological activity of some derivatives of 5 α -androst-2-en-17-one	Collection of Scientific Works of Tbilisi State Medical University	2012
Article	Ioseb Sh. Chikvaidze, Nana N. Barbakadze, Shota A. Samsonia	Some new derivatives of 5-aryl-, 2,5-diaryl- and 2-ethoxycarbonyl-5-aryl-indoles	Arkivoc	2012
Article	M.Sikharulidze, H. ზაძარაია, M. Alapishvili, M. Kakhabrishvili, N. Barbakadze	Synthesis of 17 β -acetoksi-5 α -androst-1-en-3-one from tigogenin	Georgia Chemical Journal	2011
Article	Sh.A.Samsonia, I.Sh.Chikvaidze, D.A.Kadjrshvili, N.N.Barbakadze, N.O.Narimanidze	Derivatives of indole. Some aspects of E. Fischer's reaction.	Chemistry of Heterocyclic Compounds	2010

Type	Authors	Publication title	Source title	Year
Article	M.I.Sikharulidze, N.Sh.Nadaraia, M.L.Kakhabrishvili, N.N.Barbakadze, K.G.Mulkidzhanyan	Synthesis and Biological Activity of Several Steroidal oximes	Chemistry of Natural Compounds	2010
Article	Sh.Samsonia, I.Chikvaidze, N.Megrelishvili, N.Barbakadze	Synthesis of new 5-arylindoles	Kutaisi teaching University "Lampari". Collection of 3th International Scientific Conference "Actual issues of modern science" of professor-reachers.	2010
Article	Barbakadze N., Chikvaidze I., Samsoniya Sh.	Synthesis and condensation reactions of 3-formyl-2-ethoxycarbonyl-5-phenylindole	"Compounds and materials with specific properties", Chapter 16. Editor: Bob A. Howell et al., Nova Science Publishers, Ins. ISBN 978-1-60456-343-6	2008
Article	I.Chkvaide, N. Barbakadze, E. Mumladze, N. Megrelishvili, M. Labatkava, Sh. Samsonia	Synthesis of new derivatives of 2- and 5-phenylindoles	Proceedings of Iv. Javakhishvili Tbilisi State University. 362. Chemistry	2008
Article	Chikvaidze I.Sh., Barbakadze N.N., Targamadze N.L., Mirziashvili H.T., Baramidze L.B., Samsonia Sh.A.	Synthesis of new derivatives of 2-ethoxycarbonyl-5-phenylindole	Georgian Engineering News	2006
Article	Chikvaidze I.Sh., Barbakadze N.N., Narimanidze N.O., Targamadze N.L., Samsoniya Sh.A.	Synthesis of 2-p-nitrophenyl-3H-indolo[5,4-d]benzo[b]furan	Georgian Engineering News	2006
Article	Barbakadze N.N., Chikvaidze I.Sh., Narimanidze N.O., Targamadze N.L., Baramidze L.B., Samsoniya Sh.A.	Синтез новых производных 2-фенилиндола	Georgia Chemical Journal	2006

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
International Scientific Conference "Green Medications-By Green Technologies-For Healthy Life	New Hydrazones of Epiandrosterone	Tbilisi, Georgia	2019
International Scientific Conference "Green Medications-By Green Technologies-For Healthy Life"	Synthesis of new azaderivatives of 5 α -pregnan-3 β -ol-20-one	Tbilisi, Georgia	2019
6th International Conference and Exhibition on Materials Science and Chemistry	Steroidal oximes modified by N-protected amino acids	Italy, Rome	2018
6th International Conference and Exhibition on Materials Science and Chemistry	Synthesis of 5 α -steroidal[17,16-d]pyrazolines	Italy, Rome	2018
6th International Conference and Exhibition on Materials Science and Chemistry	Synthesis of derivatives of adamantane modified epiandrosterone	Italy, Rome	2018
6th International Conference and Exhibition on Materials Science and Chemistry	Synthesis of hydrazones of 5 α -androstane series	Italy, Rome	2018
4th Scientific Conference "Natural and Synthetic biologically active compounds"	Synthesis of some hydrazones of modified 5 α -androstanolone	Tbilisi, Georgia	2018
4th Scientific Conference "Natural and Synthetic biologically active compounds"	Synthesis of potentially biological active nitrogen-containing 5 α -steroids	Tbilisi, Georgia	2018
World Congress on Pharmacology & Chemistry of Natural Compounds	Synthesis of some derivatives of 5 α -steroids	Georgia, Tbilisi	2017
International Scientific Conference "Future technologies and quality of life"	Synthesis of 3 β -hydroxy-1'-aryl-3'-methyl-5 α -androstano[17,16-d]pyrazoles	Georgia, Batumi	2017
6th World Congress on Biopolymers	Chemical modification of 5 α -steroidal oximes and amine with N-protected amino acids	France, Paris	2017
12th International Symposium on the Chemistry of Natural Compounds	The O-acylation of 5 α -steroidal oximes with N-protected amino acids	Uzbekistan, Tashkent	2017
12th International Symposium on the Chemistry of Natural Compounds	Synthesis of new hydrazone- and pyrazoline derivatives of 5 α -steroids	Uzbekistan, Tashkent	2017
6th World Congress on Medicinal Chemistry and Drug Design	5 α -Steroidal hydrazones: Synthesis and biological activity	Milan, Italy	2017
6th World Congress on Medicinal Chemistry and Drug Design	5 α -Steroidal amines: Synthesis and biological activity	Milan, Italy	2017

Scientific event name	Title of the presentation	Event venue	Year
Third Scientific Conference "Natural and synthetic biologically active compounds"	Synthesis of some derivatives of 17 α -amino-5 α -androstan-3 β -ole	Georgia, Tbilisi	2016
International scientific conference is dedicated to the 60th anniversary of R. Agladze institute of Inorganic Chemistry and Elektrochemistry "Modern researches and prospects of their use in chemistry, chemical engineering and related fields"	Synthesis of potential bioactive steroidal oximes, semi- and thiosemicarbazones	Ureki, Georgia	2016
5th Conference with international participation " Modern problems of chemical science and pharmacy"	Synthesis of some peptide derivatives of 17 β -amino-5 α -androstan-3 β -ole	Russia, Cheboksary	2016
Scientific Conference "Modernity, theory and practices" of teaching University "Gorgasali"	Synthesis of potential biologically active steroidal compounds	Georgia, Tbilisi	2015
3rd International conference on pharmaceutical sciences, ICPS-2015	5 α -Pregnenolone oximes chemical modification with N-protected amino acids	Tbilisi, Georgia	2015
5th International Conference CBC-2015	Nitrogen containing 5 α -steroidal heterocycles: synthesis and biological activity	Saint Petersburg, Russia	2015
II International Scientific Conference "Pharmaceutical sciences in XXI century"	Synthesis of potential bioactive 3 β -substituted steroidal thioesters from tigogenin	Tbilisi, Georgia	2014
Scientific Conference "Modernity: theory and practices" of Tbilisi Teaching University "Gorgasali"	Synthesis and biological research of 5 α -androstan-2-en-17-one derivatives	Tbilisi, Georgia	2014
8th Eurasian Meeting on Heterocyclic Chemistry, EAMHC-2014	The Condensation Reactions of Acetate Pregnenolone With Some Hydrazines	Tbilisi, Georgia	2014
8th Eurasian Meeting on Heterocyclic Chemistry, EAMHC-2014	Synthesis and antiviral activity of some hydrazones of 5 α -androstanolone	Tbilisi, Georgia	2014
3-rd International Conference on Organic Chemistry, ICOC-2014	Some derivatives of 3 β -phenylacetoxy-5 α -androstan-17-one and assessment of their biological activity	Tbilisi, Georgia	2014
Xth International Symposium of Natural Compounds	Study of synthesis of some 20-hydrazones of 16 α , 17 α -epoxy-5 α -pregnan-3 β -ol-20-one	Tashkent-Bukhara	2013
Second scientific conference "Natural and synthetic biologically active compounds"	Some steroidal pyrazoline and their antiviral activitie	Tbilisi, Georgia	2013
14th French-American Chemical Society Symposium	Synthesis of some new derivatives of 17 β -amino-5 α -androst-2-ene	Nantasket Beach Resort Hull, MA	2012
7th cmapseec Conference on Medicinal and Aromatic Plants of Southeast European Countries	Derivatives of some herbal compounds; Synthesis and Biological activity	Subotica, Republic of Serbia	2012
XIX International Conference of students, Post-graduate students and young scientists "Lomonosov"	Synthesis of some derivatives of 2-ethoksi-5-phenylindole	Moscow, Russia	2012
9th International Symposium on the Chemistry of Natural Compounds	Synthesis of new hydrazones of epiandrosterone as potentially biologically active agents	Urumqi Xinjiang, China	2011
2th International conference on organic chemistry "Advances in Geterocyclic Chemistry"	About some stages of the mechanism of E. Fisher's reaction	Tbilisi, Georgia	2011
Twelfth Tetrahedron Symposium. Sitges	Synthesis and antiviral activity adamantane-containing 5 α -steroids	Barcelona, Spain	2011
XVIII International Conference of students, Post-graduate students and young scientists "Lomonosov"	Synthesis and research of derivatives of 5-phenylindole	Moscow, Russia	2011
The 12th Annual Florida Heterocyclic and Synthetic Conference	Investigation for the Synthesis of Three and Pentacyclic Systems Containing Nitrogen	Gainesville, Florida, USA	2011
Republic conference of young scientists "Chemistry today-2011"	Investigation in the field of 2-ethoxycarbonyl-5-phenylindole	Tbilisi, Georgia	2011
Republic Scientific Conference "Natural and synthetic biologically active compounds"	3- and 5-arylindoles: Synthesis and biological activity	Tbilisi, Georgia	2010
Symposium on organic chemistry	Synthesis of some 3- and 8-derivatives of pyridazinoindoles having linear structures	Signagi, Georgia	2009

Scientific event name	Title of the presentation	Event venue	Year
Actual problems of chemistry of natural compounds	Steroidal oximes as biologically active compounds	Tashkent, Uzbekistan	2009
Learning Organic Synthesis Tremendously LOST II	Synthesis and some properties of new arylhydrazones of indole series	Namur, Belgium	2009
International Conference “Compounds & Materials with Specific Properties Based on Industrial Waste and Secondary Resources. Modern Chemical Compounds and Technologies”	The New Mono and Diarylindoles	Tbilisi, Georgia	2008
3rd International Meeting on Medicinal and Pharmaceutical Chemistry	The Synthesis of new Derivatives of 2-, 3- and 5-arylindoles, possessing potential biological activity	Antalya, Turkey	2007
Conference “Compounds and Materials with Specific Properties” (With international invitation)	Azo-coupling reactions of 2-and 5-phenylindoles	Tbilisi, Georgia	2007
Collections of 3th International conference "Chemistry and biological activity of nitrogen-containing heterocycles"	Synthesis of new multi nuclear heterocycles containing indole and pyridazine fragments	Chernogolovka, Russia	2006
International Conference “Advanced Materials and Technologies”	The Synthesis and Condensation Reaction of 3-formyl-2-ethoxycarbonyl-5-phenylindole	Tbilisi, Georgia	2006
VI Republican scientific conference of young chemists of Georgia	Synthesis and research of 5-phenylindoles	Tbilisi, Georgia	2005
International Conference Chemistry of Nitrogen Containing Heterocycles “CNCH-2003”	The Synthesis of new Derivatives of arylindoles and some Indole Containing Bis-tricyclo Heterocyclic Compounds	Kharkiv, Ukraine	2003

Productivity index

#	Citation index	h-index
Google scholar	57.00	5.00