Nanuli Nadaraia

Personal information

ID Number: 01025020117

Full name: Nanuli Nadaraia

Gender: Female

Date of birth: 13.06.1954

Citizenship: საქართველო (Georgia)

Contact Details

Email address: n.nadaraia@tsmu.edu

Call number: 599 483 403

Country: საქართველო (Georgia)

City: Tbilisi

Address: D. Digomi, Petritsi 8a, f.11

Languages

Language	Writing	Reading	Speaking
English	A1	A1	A1
ქართული (Georgian)	C2	C2	C2
French	B2	B2	B1
Russian	C2	C2	C2

Education

Academic degree

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

Year obtained: 06.07.1988

Education

Academic Degree	Name of the Institution	Country	Major discipline	Start year	End year
Doctoral/PhD, Ed.D or other equivalent	Moscow D.I. Mendeleev Institute of Chemical Technology	Russian Federation	Organic chemistry	1983	1986
Master/MS, MA, MR, MBA, m.Ed or other equivalent	Tbilisi State University		Chemistry of high molecular compounds	1971	1977

Projects

Ongoing projects

Project title	Position	Project head	Start Date	Donor
Basic research grant #FR-23-1931 "Synthesis of potential biologically active nitrogen-containing 5α-steroids by modification of tigogenin"	project coordinator	Nana Barbakadze	19.12.2023	Shota Rustaveli Gorgian National Scientific Foundation

Completed projects

Project title	Position	Project head	Start Date	End Date	Donor

Project title	Position	Project head	Start Date	End Date	Donor
Basic research grant (#217560) "Synthesis and pharmacological research of potential bioactive nitrogen-containing 5α-steroids"	Principal investigator	Nanuli Nadaraia	12.12.2016	12.12.2018	Shota Rustaveli National Science Foundation
Young scientists' research grant grant (YS-2016-51) "Potential Bioactive Steroidal Nitrogen – containing Compounds" გრანტის მიმღები Recipient of grant	Mentor	Nanuli Nadaraia	12.12.2016	12.12.2018	Shota Rustaveli National Science Foundation
Basic Research Grant (#GNSF/ST08/4-406) "Potentially active steroidal compounds. Synthesis and farmacological research"	researcher	Madona Sikharulidze	07.04.2009	07.04.2011	LEPL Georgian National Science Foundation

Scientific Fields (2018-2020)

Main Field

Field: 1. Natural sciences

Sub-Field: 1.4 Chemical sciences

Subject area: 1.4.1 Organic chemistry

Scientific Fields (2021-2024)

Main Field

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.5 Synthetic Chemistry and Materials

Subject area: 1.5.17 Organic chemistry

Additional Field (1)

Field: 1. Physical Sciences and Engineering

Sub-Field: 1.5 Synthetic Chemistry and Materials

Subject area: 1.5.18 Medicinal chemistry

Employment History

Current place(s) of employment

Workplace	Name of the work department	Position	Main responsibilities	Start Date
LEPL TSMU Iovel Kutateladze Institute of Pharmacochemistry	Departament of Plant Biopolimers and Chemical Modification of Natural Compounds	Principal Research scientist	Create of working plans of laboratory and leadership in execution of research works	11.09.2023

Work experience

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
LEPL Tbilisi State Medical University Iovel Kutatelazde Institutie of Pharmacochemistry	Department of Plant Biopolimers and Chemical Modification of Natural Compounds	Principal researcher scientist	Create of working plans of laboratory and leadership in execution of research works	01.08.2018	10.09.2023

Company/Institution	Name of the department	Position	Main responsibilities	Start Date	End Date
LEPL TSMU Iovel Kutateladze Institute of Pharmacochemistry	Laboratory of Chemical Modification of Natural Compounds	Principal Research scientist, Head of the Laboratory	Create of working plans of laboratory and leadership in execution of research works	08.09.2014	31.07.2018
LEPL TSMU Iovel Kutateladze Institute of Pharmacochemistry	Laboratory of chemical modification of natural compounds	Senior Research scientist, temporarily executing objyazanost of the head of the laboratory	Create of working plans of laboratory and leadership in execution of research works	31.01.2013	08.09.2014
N(N)RP TSMU Iovel Kutateladze Institute of Pharmacochemistry	Laboratory of chemical modification of natural compounds	Senior Research scientist	Synthesis of potential biologically active compounds	01.11.2006	31.01.2013
Institute of Pharmacochemistry of Academy of Sciences of the Georgian SSR	department of synthesis	Research scientist	Synthesis of potential biologically active compounds	01.06.1988	01.11.2006
Institute of Pharmacochemistry Academy of Sciences of the Georgian SSR	department of synthesis	junior researcher	Synthesis of potential biologically active compounds	04.01.1987	01.06.1988
D. I. Mendeleev Moscow Chemical Technology Institute	Department of a postgraduate study	postraduate student	Synthesis of potential biologically active compounds	01.12.1983	01.01.1987
Institute of Pharmacochemistry Academy of Sciences of the Georgian SSR	Department of synthesis of hormonal drugs	senior laboratory assistant	Synthesis of potential biologically active compounds	05.06.1979	01.12.1983
Institute of Pharmacochemistry Academy of Sciences of the Georgian SSR	department of phytochemistry	senior laboratory assistant	Synthesis of potential biologically active compounds	05.04.1978	05.06.1979

Scientific Productivity

Patents

Patent name	Issuing organization	Registration number	Year of Issue
Hydrochlorides of 17-cianomethylamino-5a-androstan-3-oles having hypnosedative, anticonvulsant and antihypoxic activities	USSR author's evidence	№1519190	1989

Article / Monograph / Manual

Type	Authors	Publication title	Source title	Year
Article	M.Merlani, N.Nadaraia, L.Amiranashvili, A.Petrou, A.Geronikaki, A.Ciric, J.Glamoclija,T. Carevic, M.Sokovic	Antimicrobial Activity of Some Steroidal Hydrazones.	Molecules	2023
Article	N. Nadaraia, M. Kakhabrishvili, N. Barbakadze, V. Mshvildadze, J. Legault, K. Mulkijanyan	Modification of Pregnenolone to some NitrogenContaining Steroid	Bulletin of the Georgian National Academy of Sciences	2023
Article	N.Sh.Nadaraia, N.N.Barbakadze, M.L. Kakhabrishvili, K.G.Mulkijanyan, M. Z. Getia.	Synthesis and antiviral activity of modified 5α-steroids.	Chemistry of Natural Compounds	2022
Article	R. Eerlings, N. Barbakadze, T. Nguyen, N. Nadaraia, E. Smeets, L. Moris, F. handle, S. E. Kharraz, W. Devlies, A. Voet, W. Dehaen, F. Claessens, Ch. Helsen.	Small-molecule profiling for steroid receptor activity using a universal steroid receptor reporter assay.	Journal of Steroid Biochemistry and Molecular Biology	2022
Article	N.Nadaraia, N.Barbakadze, M.Kakhabrishvili, K.Mulkijanyan, V.Mshvildadze, J.Legault.	Synthesis of New 5α-Steroidal Hydrazones from Tigogenin	Bulletin of the Georgian National Academy of Sciences	2022

Type	Authors	Publication title	Source title	Year
Article	N. Nadaraia, N. Barbakadze, K. Mulkijanyan, V. Mshvildadze, J. Legault	Synthesis of Some Novel Nitrogen-Containing 5α-Steroids Based on Tigogenin	Bulletin of the Georgian National Academy of Sciences	2021
Article	N. Sh. Nadaraia, M. L. Kakhabrishvili , N. N. Barbakadze,V. D. Mshvildadze, K. G. Mulkijanyan, A. Pichette	Synthesis and cytotoxicity of 5α-pregnan-3β-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	L. Amiranashvili, N. Nadaraia, M. Merlani, Ch. Kamoutsis, A. Petrou, A. Geronikaki, P. Pogodin, D. Druzhilovskiy,V. Poroikov, A. Ciric, J. Glamoclija, M. Sokovic	Antimicrobial Activity of Nitrogen-Containing 5α-Androstane Derivatives: In Silico and Experimental Studies	Antibiotics	2020
Article	N.Sh. Nadaraia, N.N. Barbakadze, M.L. Kakhabrishvili, V.D. Mshvildadze	Synthesis And Biological Activity of Hydrazones of 5α-Steroids.	Research J. of Pharmaceutical, Biological and Chemical Sciences	2019
Article	N. Sh. Nadaraia, L. Sh. Amiranashvili, M. Merlani, M. L. 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.Silla, A. Pichette, U.S. Makhmudov	Synthesis and Biological Activity of several Modified 5-androstanolone Derivatives	Chemistry of Natural Compounds	2018
Article	N.Sh. Nadaraia, M.L. Kakhabrishvili, N.N. Barbakadze, V.D. Mshvildadze, B. Silla, J.Legault, A Pichette	Synthesis and biological activity of steroidal hydrazones and pyrazolines from tigogenin.	Chemistry of Natural Compounds	2018
Article	N. Nadaraia, M. Kakhabrishvili, N. Barbakadze, V. Mshvildadze, B. Sylla, A. Pichette	Synthesis of some 5α-Androstano[17,16-d]pyrazoles from Tigogenin	Bulletin of the Georgian National Academy of Sciences	2018
Monograph	Kemertelidze E.P., Benidze M.M., Skhirtladze A.V, Nadaraia N.Sh., M.I.Merlani. Amiranashvili L.Sh.	Synthesis of steroidal hormonal preparations on the basis of tigogenin from Yucca gloriosa L, introduced in Geogia and studing of the chemical composition of the plant	Publish office of the Georgian National Academy of Sciences	2018
Article	N.Sh. Nadaraia, M.L. Kakhabrishvili, N.N. Barbakadze	Synthesis of some derivatives of 17a-amino-5a-androstan-3b-ole	Georgia Chemical Journal	2017
Article	N.Sh. Nadaraia, M.L. Kakhabrishvili, N.N. Barbakadze, A. Pichette	Synthesis of some 3b-Acetoxy-1/-aryl-3/-methyl-5α-androstano[17,16-d]pyrazolines	Georgia Chemical Journal	2017
Article	N.Sh.Nadaraia, L.Sh.Amiranashvili, M.I.Merlani	Structure-activity relationshif of epimeric 3,17-substituted 5α-androstane aminoalcohols.	Chemistry of Natural Compounds	2016
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 5α-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 17β-amino-5α-androstan-3β-ol peptide derivatives	Chemistry of Natural Compounds	2016
Article	N. Nadaraia, N.Barbakadze, M. Kakhabrishvili	Some derivatives of 5α-androstane series modified by N-protected amino acids Georg. Chem. J.,	Georgia Chemical Journal	2016
Article	N.Sh.Nadaraia, M.L.Kakhabrishvili, N.N.Barbakadze E.O.Onashvili	Syntesis of hydrazones of 5a-androst-2-en-17-one	Georgia Chemical Journal	2015
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 5a-androstano[17,16-d]pyrazolines from tigogenin	Chemistry of Natural Compounds	2014
Article	N. Sh. Nadaraia, M. L. Kakhabrishvili, N. N. Barbakadze, E. O. Onashvili	Syntesis of 3β-substitudes 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, N. N. Barbakadze, E. O. M. I. Sikharulidze	Synthesis of some derivatives of 17ß-amino-5α-androst-2-en	Georgia Chemical Journal	2013

Type	Authors	Publication title	Source title	Year
Article	Sikharulidze M., Nadaraia N., Kakhabrishvili M., Barbakadze N.	Synthesis and biological activity of some derivatives of 5α-androst-2-en-17-one	Collection of Scientific Works of Tbilisi State Medical Uuniversity	2012
Article	N. Sh. Nadaraia, M.I. Sikharulidze	Synthesis and Biological Activity of 17-Amino-5α-androstan-3-ols	Journal of Information, Intelligence and Knowledge. Nova Science Publ.	2012
Article	M.I.Sikarulidze,N.Sh.Nadaraia, M.L.kakhabrishvili	Synthesis and antituberculosis activity of several steroids from 3β-acetoxy-5α-pregn-16-en-20-one	Chemistry of Natural Compounds	2012
Article	M.Sikharulidze, H. Надарая, M. Alapishvili, M. Kakhabrishvili, N. Barbakadze	Synthesis of 17ß-acetoxy-5α-androst-1-en-3-one from tigogenin	Georgia Chemical Journal	2011
Article	M. I.Sikharulidze, N.Sh.Nadaraia	Novel coumarin hydrozones	Chemistry of Natural Compounds	2011
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	M.I.Sikarulidze,N.Sh.Nadaraia, M.L.kakhabrishvili	Some derivatives of 5α-pregnenolone	Georgia Chemical Journal	2010
Article	M.I.Sikharulidze, N.Sh.Nadaraia, M.L.Kakhabrishvili, M.O.Labartkava	Adamantane-containing 5α-steroids	Chemistry of Natural Compounds	2007

Participation in scientific events

Scientific event name	Title of the presentation	Event venue	Year
To the 90th anniversary of the birth of Academician Givi Tsintsadze Dedicated international scientific conference "Chemistry - achievements and perspectives"	Hydrazones of 3β-esterified epiandrosterone	Tbilisi, Georgia	2023
2nd International Scientific Conference: “Science, Education, Innovations and Chemical Technologies – From Idea to Implementation” 2023	Some new steroidal 1,2,3-triazoles	Georgia, Tbilisi	2023
III International Scientific and Practical conference “Fundamental and applied research in the field of pharmaceutical technology” dedicated to 100th anniversary of the birthday of D.P.Salo	Synthesis and biological investigation of 5α-steroid hydrazones on the base of tigogenin	Ukraine	2023
ISC CHTAB 2023 2th International Scientific Conference on Chemical and Technological Aspects of Biopolimers	Synthesis of some 5α-steroidal peptides	Georgia, Batumi	2023
International Scientific-Practical Conference “Georgian Scientific Pharmacy: Past and Present” dedicated to TSMU Pharmacochemistry Institute 90th and Academician Iovel Kutateladze 135th anniversary.	Synthesis and Pharmacological Activity of Nitrogrn-containing 5α-Steroids.	Georgia, Tbilisi	2022
International Scientific-Practical Conference “Georgian Scientific Pharmacy: Past and Present” dedicated to TSMU Pharmacochemistry Institute 90th and Academician Iovel Kutateladze 135th anniversary	Synthesis and Antiviral Activity of Some Modified Epiandrosterone Hydrazones	Georgia, Tbilisi	2022
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 5α-pregnan-3β-ol-20-one	Tbilisi, Georgia	2019
10-th Eurasian meeting on Heterocyclic Chemistry	N-containing 5α-steroids as antimicrobials	Milano, Italy	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 5α-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 5α-androstane series	Italy, Rome	2018
6th World Congress on Biopolymers	Chemical modification of 5α-steroidal oximes and amine with N-protected amino acids English	France, Paris	2017

Scientific event name	Title of the presentation	Event venue	Year
18th Biotechnology Congress	Mono- and dipeptide derivatives of 17β-Amino-5α-androstan-3β-ol	USA, New York	2017
International Scientific Conference “Future technologies and quality of life”	Synthesis of 3β-hydroxy-1’-aryl-3’-methyl-5α-androstano[17,16-d]pyrazoles	Georgia, Batumi .	2017
12th International Symposium on the Chemistry of Natural Compounds	The O-acylation of 5α-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 5α-steroids	Uzbekistan, Tashkent	2017
6 th World Congress on Medicinal Chemistry and Drug Design	5α-Steroidal amines: Synthesis and biological activity	Milan, Itali	2017
6th World Congress on Biopolymers	Biopolimer from Anchusa italica (Boraginaceae)	France, Paris	2017
6 th World Congress on Medicinal Chemistry and Drug Design	5α-Steroidal hydrazones: Synthesis and biological activity	Milan, Itali	2017
18th Biotechnology Congress	Mono- and dipeptide derivatives of 17β-Amino-5α-androstan-3β-ol	USA,New York	2017
Georgia 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	Georgia, Ureki	2016
V Russian Conference "Modern Problems of Chemical Science and Pharmacy" with International Participation	Synthesis of some peptide derivatives of 17β-amino-5α-androstan-3β-ol	Cheboksary, Russia	2016
V International Conference CBC-2015	Nitrogen containing 5α-steroidal heterocycles: synthesis and biological activity	Saint Petersburg, Russia	2015
3rd International conference on pharmaceutical sciences, ICPS-2015	5α-Pregnenolone oximes chemical modification with N-protected amino acids	Tbilisi, Georgia	2015
3-rd International Conference on Organic Chemistry, ICOC-2014	Some derivatives of 3β-phenylacetoxy-5a-androstan-17-one and assessment of their biological activity	Tbilisi, Georgia	2014
8-Th Eurasian Meeting on Heterocyclic Chemistry,EAMHC-2014	Synthesis and Antiviral Activity of Some Hydrazones of 5a-Androstanolone	Tbilisi, Georgia	2014
8-Th Eurasian Meeting on Heterocyclic Chemistry, EAMHC-2014	The Condensation Reactions of Acetate Pregnenolone With Some Hydrazines	Tbilisi, Georgia	2014
II International Scientific Conference “Pharmaceutical sciences in XXI century”	Synthesis of potential bioactive 3β-substituted steroidal thioesters from tigogenine	Tbilisi, Georgia	2014
Xth International Symposium of the Chemistry of Natural Compounds	Study of synthesis of some 20-hydrazones of 16α,17α-epoxi-5α-pregnan-3ß-ol-20-one	Tashkent-Bukhara	2013
14th French-American Chemical Society Symposium	Synthesis of some new derivatives of 17ß-amino-5α-androst-2-ene	Natasket 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
9th International Symposium on the Chemistry of Natural Compounds	Synthesis of new hydrazones of epiandrosterone as potentially biologically active agents	Urumgi Xinjiang, China	2011
2-nd International Conference on Organic Chemistry. ,,Advances in Heterocyclic Chemistry”	Synthesis of some steroidal pyrazolines from acetate of 5α-pregnenolone	Tbilisi, Georgia	2011

Scientific event name	Title of the presentation	Event venue	Year
1st international symposium on Secondary Metabolites chemical, biological and biotechnological properties	Antiviral activity of some steroidal compounds, synthesized on the basis of tigogenine	Denizli, Turkey	2011
Twelfth Tetrahedron Symposium	Synthesis and antiviral activity adamantane-containing 5α-steroids	Barselona, Spain	2011
International Conference on „Actual Problems of The Chemistry of Natural Compounds”	Novel hydrazones of modified epiandrosterone	Tashkent, Uzbekistan	2010
6th Conference on Aromatic and Medicinal Plants of Southeast European Countries	Modified Steroids: Synthesis and Biological Activity	Turkey,Antalya	2010

Productivity index

#	Citation index	h-index
Google scholar	153.00	8.00
Scopus	115.00	7.00