

January 2011- April 30, 2012:	Exact and Natural Sciences , Department of Mathematics Researcher of I.Vekua Institute of Applied Mathematics of Iv. Javakhishvili Tbilisi State University
August, 2007 - March, 2010:	Head of the laboratory of Mathematical problems of the mechanics of continua and related problems of the analysis of I. Vekua Institute of Applied Mathematics of Iv. Javakhishvili Tbilisi State University
January, 2007 –August, 2007:	Researcher of I. Vekua Institute of Applied Mathematics of Iv. Javakhishvili Tbilisi State University
2006-2007	Teacher of Mathematics, British-Georgian Academy
2003-December, 2006:	Senior Researcher of I. Vekua Institute of Applied Mathematics of Iv. Javakhishvili Tbilisi State University (VIAM TSU)
2004/2005; 2005/2006	Assistant Professor of Tbilisi State University of Economic Relations
2001-2002:	Teacher of Informatics of ESM (European High School of Management)
1997-2003:	Junior Researcher of I. Vekua Institute of Applied Mathematics

PROJECTS/GRANTS/AWARDS

2016-2019:	Main Researcher of the Grant of Shota Rustaveli Georgian National Science Foundation (Project #217596, Project Title: Construction and investigation of hierarchical models for thermoelastic piezoelectric structures)
2013-2015:	Main Researcher of the Grant of Shota Rustaveli Georgian National Science Foundation (SRNSF, Project 30/28, Project Title: Modeling and calculating in practice widely-distributed structures with complicated geometry)
2012-2014:	Co-Director of the Grant of SRNSF (D-13/18, Project Title: Development of analytical and numerical methods for calculating of cusped prismatic shells and beams)
2012-2013:	Main Researcher of the SRNSF-CNR (Shota Rustaveli National Science Foundation – Consiglio Nazionale delle Ricerche) Grant #09/04
2012:	Individual Travel Grant. Rustaveli National Science Foundation (July 21-25, Antalya, Turkey)
2011:	Individual Travel Grant. Rustaveli National Science Foundation (July 1-4, Baku, Azerbaijan)
19.02.2010-19.11.2010	Georgian President Grant for Young Scientists, supported by Rustaveli National Science Foundation
2009:	Individual Travel Grant. Georgian National Science Foundation (July 13-18, London, UK)
2009:	I.Vekua Scholarship for Young Scientists (supported by Georgia National Science Foundation)
2008:	Honour to award for the best scientific paper selected by Ministry of Education and Science of Armenia, Tsakhkaddzor, Armenia (June 16-20)

- 2008: Individual Travel Grant. Georgian National Science Foundation (May 13-18, Wojcieszce, Poland)
- 2007: Honour to award for the best scientific paper selected by Ministry of Education and Science of Georgia and Georgian National Science Foundation (27 April)
- 01.05.2007-30.04.2009: Researcher of the Georgian-U.S. Bilateral Grants Program III GEP1-3339-TB-06, selected by Georgian Research & Development Foundation (<http://www.grdf.ge>) and Civilian Research and Development Foundation (<http://www.crdf.ge>)
- 02.02.2007-31.01.2009: Researcher of the INTAS Proposal for South Caucasian Republics 2006 - Research Project "Some nonclassical problems for thin structures"
- 01.10.2006-30.09.2008: Researcher of the Project GNSF/ST06/3-035, selected by the competition of Georgian National Science Foundation
- 01.02.2005-01.02.2006: Georgian Travel Fellowship Program Follow-on Grant Application 2004 (GTFFP-11), supported by GRDF (Georgian Research & Development Foundation <http://www.grdf.ge>) and CRDF (Civilian Research & Development Foundation <http://www.crdf.org>). Individual Grant
- 01.06.2005-31.12.2005: Researcher of the project (1.01.80) selected by the competition of the research support program of the Georgian Ministry of Education and Sciences
- 01.10-30.11.2004: Georgian Travel Fellowship Program-2004, supported by GRDF and CRDF (GTFFP-11). Individual Grant
- 2000-2002: Participant of NATO-Scientific Project PST.CLG.976426/5437
<http://www.viam.science.tsu.ge/others/ticmi/nato-project>
- 1998-2000: Scientific Grant for Georgian Universities of Georgian Ministry of Education
- 1998, 1999: Soros Post-Graduate Students Grant
- 1995, 1996: Soros Students Grant

FIELD OF RESEARCH

Main activities: Partial Differential Equations. Mathematical Modeling. Shell and Plate Theory, Cusped Plates and Shells. Solid-fluid Interaction Problems

VISITING POSITIONS, LECTURE COURSES AND ADDRESSES

- 2017: Plenary Talk: "Cusped Prismatic Shell-Fluid Interaction Problems", VIII International Conference of the Georgian Mechanical Union, September 27-29, Tbilisi, Georgia
- Talk: "Antiplane Strain (Shear) of Non-Homogeneous Prismatic Shell-Like Bodies", GAMM2017, March 6-10, Weimar, Germany
- Talk: "On a Static Problem for the Two Layered Prismatic Shell-Like Composites", V Scientific Conference in Exact and Natural Sciences of I. Javakhishvili Tbilisi State

University, January, Tbilisi, Georgia

2016: Talk: "Antiplane shear of orthotropic non-homogeneous prismatic shells", VII International Joint Conference of the Georgian Mathematical Union & Georgian Mechanical Union: Continuum Mechanics and Related Problems of Analysis, September 5-9, Batumi, Georgia

Talk: "ANTIPLANE STRAIN (SHEAR) OF ORTHOTROPIC NON-HOMOGENEOUS PRISMATIC SHELL-LIKE BODIES", August 29 - September 2, SolMech40, Warsaw, Poland

Talk: "VEKUA'S DIMENSION REDUCTION METHOD FOR THE THIRD MODEL OF PRISMATIC SHELLS", IV Scientific Conference in Exact and Natural Sciences of I. Javakhishvili Tbilisi State University, January 26-28, Tbilisi, Georgia

2015: Talk: "On some problems of biofilms occupying thin prismatic domains", VI Annual meeting of the Georgian Mechanical Union: GEOMECH6, September 30-October 4, Tbilisi, Georgia

Talk "On calculation of some structures with complicated geometry, widely-distributed in practice", 29th Enlarged Sessions of the Seminar of I. Vekua Institute of Applied Mathematics, April 22-24, Tbilisi, Georgia

Visited Istituto per le Applicazioni del Calcolo "Mauro Picone", Consiglio Nazionale delle Ricerche (CNR) with the framework of the SRNSF-CNR grant 09/04, March 28-31, Rome, Italy

Talk: "On a mathematical problem of cusped double-layered plates", 86th Annual Meeting of the International Association of Applied Mathematics and Mechanics, March 23-27, Lecce, Italy, 2015

Talk: "On an One problem of cusped double-layered plates", III Scientific Conference in Exact and Natural Sciences of I. Javakhishvili Tbilisi State University, February 2-7, Tbilisi, Georgia

2014: Talk: "On some methods for calculating cusped prismatic shells ", V Annual meeting of the Georgian Mechanical Union: GEOMECH5, October 8-10, Tbilisi, Georgia

Talk: "On a Variational Problem for a Cusped Elastic Prismatic Shells in Case of the Third Model of Vekua's Hierarchical Model", 39th SOLID MECHANICS CONFERENCE, September 1-5, Warsaw, Poland

Talk: "On a Mathematical Model of a Cusped Double-Layered Prismatic Shell", 10th AIMS Conference, July 7-11, Madrid, Spain

Talk "A boundary-transmission problem for two rectangularly leant elastic bars". 28th Enlarged Sessions of the Seminar of I. Vekua Institute of Applied Mathematics, April 22-24, Tbilisi, Georgia (co-speaker G. Jaiani)

Talk: "On Some Analytic Methods for Calculating of Cusped Prismatic Shells and Beams", 85th Annual Meeting of the International Association of Applied Mathematics and Mechanics, March 10-14, Erlanger, Germany

Talk "On an one problem of the vibration of biofilms". The Second Scientific Conference in Exact and Natural Sciences of I. Javakhishvili Tbilisi State University, January 29- February 3, Tbilisi, Georgia

2013: Talk: "Some numerical methods for laminated prismatic shells in the zero-th approximations", IV Annual Meeting of the Georgian Mechanical Union, November 8-10, Kutaisi, Georgia

Talk: "Hierarchical models for biofilms occupying thin prismatic domains with a variable thickness", SECOND INTERNATIONAL CONFERENCE ON MODERN PROBLEMS IN APPLIED MATHEMATICS, September 4-7, Tbilisi, Georgia

Visited Istituto per le Applicazioni del Calcolo "Mauro Picone", Consiglio Nazionale delle Ricerche (CNR) with the framework of the SRNSF-CNR grant 09/04, November, Rome, Italy

Talk: "On some analytical methods for calculating cusped prismatic shells ", IX International Conference of ISAAC, August 5-9, Krakow, Poland

Talk "Peculiarities of the Second Hierarchical Model of Cusped Prismatic Shells". Workshop within the framework of SRNSF Project #D-13/18 "Development of analytical and numerical methods for calculating of cusped prismatic shells and beams" (June 6, Tbilisi, Georgia)

2012: Talk "Harmonic vibration of a cusped plate in the zero approximation of Vekua's hierarchical models", 38th Solid Mechanics Conference, August 27-31, Warsaw, Poland

Talk "On a some vibration of a cusped plane in the zero approximation of Vekua's hierarchical models", Conference on Applied Analysis and Mathematical Biology, August 8-9, University of Delaware, Newark, USA

Talk "Direct and inverse elastic beams-fluid interaction problems", Sixth International Conference "Inverse Problems: Modeling and Simulation", May 21-26, Antalya, Turkey

Talk "Harmonic vibration of a cusped plate in the zero approximation of Vekua's

hierarchical models”, 26th Enlarged Sessions of the Seminar of I.Vekua Institute of Applied Mathematics, April 23-25, Tbilisi, Georgia

2011: Talk “Cubature of the Solution of the Dirichlet Problem for Euler–Poisson–Darboux Equation in the Half-plane by Approximate Quasi-Interpolation”, II International Conference of the Georgian Mathematical Union, September 15-19, Batumi, Georgia

Talk “Vibration of Elastic Plates with Variable Thickness on a Basis of the Refined Theories”, International Conference “CONTINUUM MECHANICS AND RELATED PROBLEMS OF ANALYSIS” Dedicated to the 70th Anniversary of the Georgian National Academy of Sciences & the 120th Birthday of its First President Academician Nikoloz (Niko) Muskhelishvili, September 9-14, Tbilisi, Georgia

Talk “Cylindrical Vibration Problems for the Cusped Plates”, the IV Congress of the Turkic World Mathematical Society, July 1-3, Baku, Azerbaijan

Talk “Cubature of the Solution of the Deflections of the Thin Wedge-Shaped Shells by Approximate Quasi-Interpolation”, 25th Enlarged Sessions of the Seminar of I.Vekua Institute of Applied Mathematics, April 20-24, Tbilisi, Georgia

2010: Talk "Vibration Problems for Cusped Plates on a Basis of the Refined Theories", The First Annual Meeting of the Georgian Mechanical Union, December 20-22, Tbilisi, Georgian

Talk "On Some Cusped Solid-fluid Interaction Problems", Seminar guided by Dr. Flavia Lanzara Dipartimento di Matematica-Istituto "Guido Castellnuovo", Università degli Studi di Roma "La Sapienza", November 16, Rome, Italy

Visiting Professor, University of Rome “La Sapienza”, Department of Mathematics (host: Dr. F. Lanzara, November 15-21, Rome, Italy)

Talk "Incompressible Fluid-Cusped Plate Interaction Problem in Case of the Zero Approximation of I.Vekuas Hierarchical Models", First International Conference of Georgian Mathematical Union, September 12-19, Batumi, Georgia

Talk "Big deflections of the cusped plate under the Combined Action of Uniform Transverse Load and Uniform Tension", International Scientific-Technical Conference “Civil Engineering Mechanics Actual Problems”, June 15-17, Georgian Technical University, Tbilisi, Georgia

Chair of the Contributed Session “PDEs and Applications” on Friday, 8th AIMS Conference, May 28, Dresden, Germany

Talk "Cylindrical Vibration of Cusped Reisner-Mindlin Plates", 8th AIMS Conference,

May 25-28, Dresden, Germany

Address "Vibration of the Cusped Plates in Case of Big Deflections", 24th Enlarged Sessions of the Seminar of I.Vekua Institute of Applied Mathematics, April 21-23, Tbilisi, Georgia

2009: Talk "Cylindrical Bending of a Cusped Reissner-Mindlin Plates", 5th Congress of Mathematicians of Georgian, Georgian Mathematical Union, October 9-12, Batumi-Kutaisi, Georgia

Talk "On a Mathematical Model of a Cusped Plate with Big Deflections", 7th International ISAAC Congress, July 13-18, London, UK

Talk "Big Deflections of a Cusped Plates ", 23th Enlarged Sessions of the Seminar of I.Vekua Institute of Applied Mathematics, April 22-24, Tbilisi, Georgia

Visiting Professor, University of Rome "Tor Vergata", Department of Civil Engineering (host: Prof. Dr. P. Podio-Guidugli, January 21-27, Italy)

2008: Talk "On a cylindrical vibration of a double-layer prismatic body", International Conference on "Modern Problems in Applied Mathematics" Dedicated to the 90th Anniversary of the Iv. Javakhishvili Tbilisi State University and 40th Anniversary of the I.Vekua Institute of Applied Mathematics, October 7-9, Tbilisi, Georgia

Visitor Professor, Ecole Supérieure d'Ingénieurs en Electronique et Electrotechnique, within the framework of INTAS Project for South Caucasian Republics # 06-100017-8886 (September 12-17, Paris, France)

Talk (with co-authors) "Some Nonclassical Problems for Thin Structures", Seminar (guided by Prof. J. Cagnol), Department of Mechanics, University Leonard de Vinci, Paris, France, September 15, 2008

Address (poster) "On a system consisting of degenerate equations of second order", Fifth European Congress of Mathematics - 5ECM, July 13-17, Amsterdam, Netherlands

Talk "Interaction problem for thin media consisting of deformable solid and fluid parts in zero approximation of hierarchical models", International Conference on Analysis, PDEs and Applications, June 30- July 3, Rome, Italy

Talk "Cylindrical bending of a cusped plate with big deflections", South-Caucasian Summer School on Mathematical Modeling of Thin Structures, June 15-21, Tsakhkadzor, Armenia, under auspices of INTAS

Talk "On two dimensional hierarchical models for thin media consisting of deformable

solid and fluid parts” 7th Youth Symposium on Experimental Solid Mechanics, May 14-17, Wojcieszce, Poland, May

Address (with G. Jaiani) "On Solid-Fluid Interaction Hierarchical Models", 22th Enlarged Sessions of the Seminar of I.Vekua Institute of Applied Mathematics, April 22-25, Tbilisi, Georgia)

2007: Visitor Professor, University of Delaware, Department of Mathematics (September 12–October 12, USA, within the framework of GRDF/CRDF Project GEORGIAN-U.S. BILATERAL GRANTS PROGRAM III, GEP1-3339-TB-06)

Talk “On a system consisting of equations of second and fourth orders”, 6th International ISAAC Congress, August 13-18, Ankara, Turkey

Talk: “Vibration of an elastic plate under the action of an incompressible fluid”, IUTAM Symposium On Relation of Shell, Plate, Beam, and 3D Models Dedicated to Centenary of Ilia Vekua, April 23-27, Tbilisi, Georgia

2006: Talk (with G. Kapanadze) “On a One Inverse Problem of the Bending of a Plate with Variable Flexural-rigidity”. Enlarged Sessions of I.Vekua Institute of Applied Mathematics of Tbilisi State University, April 22-27, Tbilisi, Georgia

2005: Talk “Vibration of an Elastic Plate under Action of an Incompressible Fluid in Case of $N=0$ Approximation of I.Vekua’s Hierarchical Models”, 5th ISAAC Congress, July 25-30, University of Catania, Italy; <http://www.math-isaac.org>

Talk “Vibrations of the Elastic Plates with Variable Thickness Caused by the Action of a Fluid”. IV Congress of Georgian Mathematicians, November 14-16, Tbilisi, Georgia

2004: Address (poster) “On a Some Type Integro-differential Equations”. 4th European Congress of Mathematics, June 27- July 2, Stockholm University, Stockholm, Sweden; <http://www.math.kth.se/4ecm/>

Visitor Professor, University of Delaware, Department of Mathematics (October 1–November 30, USA, within the framework of GRDF/CRDF Travel Fellowship Program, supported by GRDF and CRDF, GTFP-11)

2002: Talk “Cusped Elastic Plate-Incompressible Fluid Interaction. Harmonic Vibration”. ISAAC Conference on Complex Analysis, Differential Equations and Related Topics, organized by Russian Academy of Natural Sciences, International Society for Analysis its Applications and Computation (ISAAC); National Academy of Sciences of Armenia, and Yerevan State University, September 17-21, Yerevan, Armenia

Talk “Some Contact Problems for Cusped Plate-Fluid Interaction Models”. XXX Summer School "Advanced Problems in Mechanics", organized by Institute for Problems in

Mechanical Engineering of the Russian Academy of Sciences and Gesellschaft four
Angewandte Mathematik und Mechanik, June 27 - July 6, St. Petersburg, Russia;
<http://www.eng.abdn.ac.uk/~apm2002>

2001: Talk “Cylindrical Bending of a Prismatic Shell with Two Cusped Edges”. Symposium on Differential Equations and Mathematical Physics (DEMPH-01) dedicated by the 110 Birthday of Acad. N. Muskhelishvili, organized by Razmadze Mathematical Institute of Georgian Academy of Sciences, July, Tbilisi, Georgia;
<http://www.rmi.acnet.ge/DEMPH/demph2001/welcome.htm#mph>

Talk “On a Cusped Plate-Fluid Interaction Problems”. III Congress of Georgian Mathematicians, October 11-13, Tbilisi, Georgia

Lecturer “On a Cusped Plate-Fluid Interaction Problem”. International Minisymposia on Mathematical Models for Elastic Cusped Plates and Bars,(25, 26 September, Tbilisi, Georgia, <http://www.viam.science.edu/ge/others/ticmi/>

1999: Talk (with G. Chichua, G. Jaiani) "Some Contact Problems for Solid-Fluid Models". International Conference on Multifield Problems, October 6-8, Stuttgart, Germany

1998: Talk “Fluid-Solid Interaction Problem”. International Symposium on Theory of Elasticity organized by Georgian Technical University, Tbilisi, Georgia

Other Talks:

at the enlarged sessions of the seminar of I.Vekua Institute of Applied Mathematics of Tbilisi State University (1995, 1999, 2000, 2005, Tbilisi, Georgia);

at the International Minisymposia and International Workshops organized by Tbilisi International Centre of Mathematics and Informatics (1997, 1998, 1999, 2001, 2004, 2005, Tbilisi, Georgia; <http://www.viam.science.tsu.ge/others/ticmi/>);

at the seminars of I.Vekua Institute of Applied Mathematics of Tbilisi State University (2002, Tbilisi, Georgia);

OTHER ACTIVITIES

January 2012-present: Vice Chair of the Georgian Mechanical Union

March 2006-2013: Scientific Secretary of GMU (Georgian Mathematical Union)

2005-present: Member of ISAAC (International Society for Analysis, its Applications and Computation) <http://www.math-isaac.org>

2005-present: Member of the Georgian National Committee of the International Union of Theoretical and Applied Mechanics (IUTAM)

2002- present: Managing Editor of Bulletin of TICMI (<http://www.emis.de/journals/TICMI>)

2002- present: Managing Editor of Lecture Notes of TICMI (<http://www.emis.de/journals/TICMI>)

2001- present: Member of GMU

20-29.08.2001: Participate in the Summer School "Simulation of Fluid and Structure Interaction", Prague, Czech Republic

1997- present: Member of Tbilisi International Centre of Mathematics and Informatics

Co-chair of the International Organizing Committee of the Third International Conference on Applications of Mathematics and Informatics in Natural Sciences and Engineering Dedicated to the 80th Birthday of David Gordeziani (AMINSE 2017), December 6-9, 2017

Co-chair of the Organizing Committee of the Enlarged Sessions of the Seminar of VIAM, Co-chair of the Section of Mechanics of Continua, April, 2016

Vice-chair of the Organizing Committee of the Enlarged Sessions of the Seminar of VIAM, Co-chair of the Section of Mechanics of Continua, April, 2013-2015

Chair/Vice chair of the Organizing Committee of Organising Committee of Annual Conference of Georgian Mechanical Union, 2011-2017, Tbilisi/Barumi/Kutaisi, Georgia

Scientific Secretary of the Organising Committee of the 26th Enlarged Sessions of the Seminar of VIAM, Co-chair of the Section of Mechanics of Continua, 23-25 April, 2012

Chairwoman of the Organizing Committee of Organising Committee of First Annual Conference of Georgian Mechanical Union, 15-17 December, 2011, Tbilisi, Georgia

Scientific Secretary of the Organising Committee of the International Conference "Continuum Mechanics And Related Problems Of Analysis" (to celebrate the 70th Anniversary of the Georgian National Academy of Sciences & the 120th birthday of its First President Academician Nikoloz (Niko) Muskhelishvili), September 9-14, 2011, Tbilisi, Georgia

Scientific Secretary of the Organising Committee of the 25th Enlarged Sessions of the Seminar of VIAM, Co-chair of the Section of Mechanics of Continua, 21-23 April, 2011

Vice-Chairwoman of the Organizing Committee of Organising Committee of First Annual Conference of Georgian Mechanical Union, 20-22 December, 2010, Tbilisi, Georgia

Scientific Secretary of the Organising Committee of First International Conference of the Georgian Mathematical Union, 12-19 September, 2010, Batumi, Georgia

Scientific Secretary of the Organising Committee of the Congress of the Georgian Mathematical Union, 9-12 October, 2009, Batumi-Kutaisi,

Scientific Secretary of the Organising Committee of the International Conference on "Modern Problems in Applied Mathematics" Dedicated to the 90th Anniversary of the Iv. Javakhishvili Tbilisi State University and 40th Anniversary of the I.Vekua Institute of Applied Mathematics, October 7-9, 2008, Tbilisi, Georgia

Scientific Secretary of the Local Organising Committee of IUTAM Symposium [on Relation of Shell, Plate, Beam, and 3D Models](http://www.viam.science.tsu.ge/others/ticmi/iutam/ga04-09.htm) (Dedicated to Centenary of Ilia Vekua, I. Vekua Institute of Applied Mathematics of Iv. Javakhishvili Tbilisi State University, Monday, April 23 - Friday, April 27, 2007, <http://www.viam.science.tsu.ge/others/ticmi/iutam/ga04-09.htm>)

Member of the Local Organising Committee of ISAAC Conference on "Analysis, Applications, and Computation" (Dedicated to Centenary of Ilia Vekua, I. Vekua Institute of Applied Mathematics of Iv. Javakhishvili Tbilisi State University, April 23 - 27, 2007, <http://www.viam.science.tsu.ge/others/ticmi/vekua100/isaacconf.htm>)

Scientific Secretary of Iv. Javakhishvili Tbilisi State University Jubilee Committee of Centenary of Ilia Vekua