



## CV

### 1. Personal Information

<b>Surname</b>	Janjgava
<b>Name</b>	Romani
<b>Mail</b>	r.janjgava@seu.edu.ge

### 2. Position and specialty

<b>Position</b>	Associated Professor
<b>Specialty</b>	Mathematics

### 3. Academic/Scientific degree

<b>Name of the higher education institution</b>	Tbilisi state university
<b>Direction/ Specialty</b>	Applied Mathematics / 01.02.02 Mechanics of Solid Deformed Body
<b>Enrollment date</b>	1996
<b>Dissertation defense date</b>	2004
<b>qualification</b>	Candidate of Physical and Mathematical Sciences
<b>Title of the dissertation topic</b>	"Solving some boundary problems of mixture theory for elastic membranes and plates i. By the method of Vekua"
<b>Conductor of the theme</b>	Professor Tengiz Meunargia

### 4. Other education

<b>I</b>		
<b>Name of the higher education institution</b>	North Caucasus Mining and Metallurgical Institute	
<b>Faculty / Specialty</b>	Faculty of Electronic Engineering	
<b>Date of the enrollment/Graduation</b>	<b>Beginning (yy)</b>	<b>End (yy)</b>
	1984	1991
<b>Qualification</b>	The defense of the diploma thesis was not made	
<b>II</b>		

<b>Name of the higher education institution</b>	Zugdidi Independent University	
<b>Faculty / Specialty</b>	Faculty of Physics and Mathematics / Mathematics	
<b>Date of the enrollment/Graduation</b>	<b>Beginning (yy)</b>	<b>End (yy)</b>
	1993	1996
<b>Qualification</b>	Mathematician, math teacher	

### 5. Professional experience

<b>Date (mm/yy)</b>		<b>Employer</b>	<b>Position / duties</b>
<b>-from</b>	<b>-to</b>		
2014	present	Georgian National University SEU	Associate Professor
2009	present	TSU I. Vekua's Institute of Applied Mathematics	science worker Senior Researcher
2007	2010	Tbilisi state university	Invited Professor
2013	2014	Tbilisi state university	Invited Professor
2011	2013	University of Georgia	invited specialist, Associate Professor
2009	2011	Teaching University "Geomedi"	Associate Professor
2008	2009	Shota Meskhia Zugdidi Teaching University	1) calculus; 2) Probability theory and mathematical statistics
2005	2008	TSU Zugdidi Branch	guest lecturer; Associate Professor
1996	2005	TSU I. Vekua'S Institute of Applied Mathematics	Senior Laboratory Assistant; Mathematician

### 6. Scientific-pedagogical experience

<b>Date (mm/yy)</b>		<b>Higher Education Institutions</b>	<b>Study course / Research project</b>	<b>Learning step</b>
<b>-from</b>	<b>-to</b>			
2014	present	Georgian National University SEU	1) Mathematics for Business I and II; 2) Probability theory and mathematical statistics	BA
2007	2014	Tbilisi state university	Calculus	BA

2008	2009	Tbilisi state university	Methods of analytical and approximate solution of boundary problems of mathematical physics	MA
2011	2013	University of Georgia	1) Mathematics for Economists I, II III; 2) business statistics; 3) Quantitative research methods	BA
2012	2013	University of Georgia	1) Mathematical modeling; 2) A complex variable	BA
2009	2011	Teaching University "Geometri"	Fundamentals of Higher Mathematics	BA
2008	2009	Shota Meskhia Zugdidi Teaching University	1) calculus; 2) Probability theory and mathematical statistics	BA
2005	2008	TSU Zugdidi Branch	1) theory of functions of a real variable; 2) Complex analysis	BA

### 7. scientific publications

Date	Topic of the working theme	Scientific Journal	Publisher
2019	*Solution of the Kirsch problem for a binary mixture in the case of approximation $N = 1$ of Vekua's theory	<i>Mathematics and Mechanics of Solids</i> , <b>24</b> (7), 2017-2029	SAGE Publishing, USA
2019	*Approximate Solution of Some Plane Boundary Value Problems for Perforated Cosserat Elastic Bodies	<i>Advances in Applied Mathematics and Mechanics</i> , <b>11</b> (5), 1064-1083	Global Science Press, Hong Kong
2018	*Some Three-Dimensional Boundary Value and Boundary-Contact Problems for an Elastic Mixture with Double Porosity,	<i>The Quarterly Journal of Mechanics and Applied Mathematics</i> , <b>74</b> (4), 411-425	Oxford University Press, UK
2017	A Conditions of Existence of Neutral Surfaces in the Shells	<a href="#">AMIM, 22(1), 47-64</a>	TSU Publishing

	Consisting of Binary Mixtures		
2017	The Boundary Value Problem of Plates with Double Porosity by the Vekua Method for Approximations $N=1$	<i>AMIM</i> , <b>22</b> (1), 50-57	TSU Publishing
2017	The Dirichlet Boundary Value Problem of Porous Cosserat Media with Triple-porosity for the Concentric Circular Ring	<i>AMIM</i> , <b>22</b> (1), 42-49	TSU Publishing
2017	Some basic boundary value problems for plane theory of elasticity of porous Cosserat media with triple-porosity	<i>PAMM·Proc.Appl.Math.Mech.</i> <b>17</b> , 705–706	Springer
2016	<a href="#">*Elastic Equilibrium of Porous Cosserat Media with Double Porosity</a>	<i>Advances in Mathematical Physics</i> , Article ID 4792148, 9p; <a href="http://dx.doi.org/10.1155/2016/4792148">http://dx.doi.org/10.1155/2016/4792148</a>	<a href="#">Hindawi Publishing Corporation</a>
2016	<a href="#">*The Approximate Solution of Some Plane Boundary Value Problems of the Moment Theory of Elasticity</a>	<i>Advances in Mathematical Physics</i> , Article ID 3845362, 12 p; <a href="http://dx.doi.org/10.1155/2016/3845362">http://dx.doi.org/10.1155/2016/3845362</a>	<a href="#">Hindawi Publishing Corporation</a>
2016	*The solution of some two-dimensional problems of thermoelasticity taking into account the microtemperature	<i>Journal of Thermal Stresses</i> , <b>39</b> (1), 57-64	Taylor&Francis, Philadelphia, USA
2016	*Solution of some boundary value thermoelasticity problems for a rectangular parallelepiped taking into account microthermal effects	<i>Meccanica, An International Journal of Theoretical and Applied Mechanics</i> , <b>51</b> (1), 211–221 DOI: 10.1007/s11012	<a href="#">Springer</a>
2016	<a href="#">One Effect for Bodies with Double Porosity in the case of Plane Deformation</a>	<i>Bulletin of TICMI</i> , <b>20</b> (1), 32-47	<a href="#">TSU Publishing</a>
2016	<a href="#">About the plane theory of poroelasticity for the binary mixture with double porosity</a>	<i>Reports of Enlarged Sessions of the Seminar of I. Vekua Institute of Applied Mathematics</i> , <b>30</b> , 31-34	<a href="#">TSU Publishing</a>

2016	<a href="#">Derivation of System of the Equations of Equilibrium for Shallow Shells and Plates, Having Double Porosity</a>	<a href="#">AMIM, 21(2), 16-37</a>	<a href="#">TSU Publishing</a>
2016	<a href="#">Some Statically Definable Problems For Cylindrical Shells</a>	<a href="#">AMIM, 21(2), 2016, 65-73</a>	<a href="#">TSU Publishing</a>
2016	<a href="#">About one method of construction of approximate solutions of some boundary value problems.</a>	<a href="#">Seminar of I. Vekua Institute of Applied Mathematics, Reports, 42, 10-26</a>	<a href="#">TSU Publishing</a>
2015	Derivation of nonlinear equations for shallow shells, consisting of a mixture of two isotropic materials	<i>Proceedings of I. Vekua Institute of Applied Mathematics, 65, 12-26</i>	<a href="#">TSU Publishing</a>

### 8. Other activities

N	The Name and Description of the Activity
1	X Annual International Conference of the Georgian Mechanics Union. Title of the report: "Some plane boundary value problems for Cosserat elastic media with voids" (Telavi, September 26-28, 2019)
2	The Fourth International Conference on Applications of Mathematics and Informatics in Natural Sciences and Engineering. მოხსენების სათაური: „Some Basic Boundary Value Problems for Plane Theory of Elasticity for Materials with Voids“ (თბილისი, 23-26 სექტემბერი, 2019)
3	XXXIII International Extended Sessions of the Ilia Vekua Institute of Applied Mathematics Seminar. Title of the report: "Approximate solution of some border problems of stretching-shrinkage and bending of plates" (Tbilisi, April 23-25, 2019)
4	VIII Annual International Conference of the Georgian Mechanics Union. Title of the paper: "Some three-dimensional boundary problems for elastic binary mixtures with two types of porosity" (Tbilisi, September 27-29, 2017)
5	VIII International Conference of the Union of Mathematicians of Georgia. Title of papers: 1) "Boundary Value Problems for a Circular Ring with Triple-Porosity in the Case of an Elastic Cosserat Medium"; 2) "A Problem of Plane Asymmetric Elasticity for a Perforated Rectangular Domain" (Batumi, September 4-8, 2017)
6	88th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM 2017). Paper Title: "Some Basic Boundary Value Problems for Plane Theory of Elasticity of Porous Cosserat Media with Triple-Porosity" (Weimar, Germany, March 6-10, 2017)

7	7th Congress of European Mathematicians. Paper Title: Derivation of the Equilibrium Equations System for Shallow Shells and Plates Having Double Porosity (Berlin, Germany, July 18-22, 2016)
8	VII International Conference of the Union of Mathematicians and Mechanics of Georgia. Title of the report: "Conditions for the existence of neutral surfaces in membranes composed of binary mixture" (Batumi, September 5-9, 2016)
9	VII International Conference of the Georgian Mechanics Union. Title of the report "Obtaining the equilibrium equilibria of plates composed of binary mixture by the method of sequential production" (Tbilisi, September 29-October 4, 2015)
10	International Conference "Modern problems in applied mathematics" (Dedicated to the 95th Anniversary of the I. Javakhishvili Tbilisi State University & 45th Anniversary of the I. Vekua Institute of Applied Mathematics of TSU) (თბილისი, 4-7 სექტემბერი, 2013)
11	2005–2006: Grant of the Georgian National Science Foundation: Science Development Support Program. Project title: "Calculation of nonlinear and nonlinear membranes and effective solution of localization-delocalization tasks of three-dimensional thermoelasticity". Position in the project: Researcher (principal executor)
12	2012–2014: State Scientific Grant for Applied Research of Shota Rustaveli National Science Foundation. Project Title: "Applied Non-Classical Problems of Thermoelasticity for Different Multi-Layered Bodies and Guidelines for Calculating Their Strength with Appropriate Program" AR / 91 / 5-109 / 11 (2012-2014). Position in the project: Researcher (principal executor)
13	2015–2018: State Scientific Grant for Fundamental Research of Shota Rustaveli National Science Foundation. Project Title: "Some Tasks of Linear and Nonlinear Theory of Demanding and Non - Demanding Membranes" (FR / 358 / 5-109 / 14). Position in the project: Lead Artist.