

Curriculum Vitae

Surname: **Janjgava** Name: **Roman** Patronymic: **Iakob**
 Date of birth and place: 15.10.1967, Zugdidi region, village Chkhorია

Work place: Iv. Javakhishvisi Tbilisi State University
 Address: Tbilisi, #1 Chavchavadze ave.
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Work experience:

Date	1996-2006
Name of employer	Iv. Javakhishvili Tbilisi State University, I. Vekua Institute of Applied Mathematics
Address of employer	Tbilisi, #2 Universiteti street
branch of activity	Subject of Shell theory
Position	Mathematician
Date	2006-2008
Name of employer	Zugdidi branch of Iv. Javakhishvili Tbilisi State University
Address of employer	Zugdidi, #2 Sokhumi street
branch of activity	Mathematics
Position	Associated professor
Date	2008-2009
Name of employer	S. Meskhia Zugdidi State University
Address of employer	Zugdidi, #14 Janashia street
branch of activity	Mathematician
Position	visiting professor
Date	2009
Name of employer	Iv. Javakhishvili Tbilisi State University
Address of employer	Tbilisi, #2 Universiteti street
branch of activity	Practical work of Calculus
Position	visiting professor

Academic Degree, Academic Title and published works

(Please, represent the list of published works as an Annex)

Academic Degree	Candidate of Physical-Mathematical Sciences
Academic Title	
Quantity of works	24
including:	treatise
	manual
Quantity of works during the last 10 years	23 (twenty three); the list of published works are presented in Annex

Education/training (Please, represent copies of diploma/certificates as an Annex)

Date	1984-1991
Department (faculty)	Faculty of Electric Techniques of North Caucasian Institute of Mines Metallurgy
Specialty	Technologist of Electric Technique
Diploma/Certificate No.:	
Qualification	

Date	1991-1996
Department (faculty)	Physical-Mathematical Faculty, Zugdidi Independent University
Specialty	Mathematician
Diploma/Certificate No.:	001266
Qualification	Mathematician

Participation in scientific conferences during the last 10 years (please indicate only the conferences where the materials or/and thesis were published)

Name and date:	Reports on Enlarged Session of the Seminar of I. Vekua Institute of Applied Mathematics, 2004
Name of presentation	About Plane theory for Hemitropic Elastic Materials
Your role	presenter
Name and date:	Reports of Enlarged Session of the Seminar of I. Vekua Institute of Applied Mathematics, 2005
Name of presentation	Partially Clamped Shallow Composition of Binary Mixture
Your role	presenter
Name and date:	TIMCI, 2005
Name of presentation	Dirichlet Problem for the Marguerre-Von Karman equations System
Your role	presenter
Name and date:	Reports Session of the Seminar of the Seminar of I. Vekua Institute of Applied Mathematics, 2006
Name of presentation	An application of the boundary element method for solving of the boundary-value problems for binary mixtures
Your role	presenter
Name and date:	International Scientific and Technical Conference “Architecture and Constructions – contemporary problems”. 15-18 October, 2008
Name of presentation	On the Numerical of a problem on a Crank under Internat Pressure Filled with a binary mixture
Your role	co-presenter
Name and date:	Enlarged Session of XXIII Seminar of I. Vekua Institute of Applied Mathematics, April, 2009
Name of presentation	About the Structure of Numerical Decision for some of nonlocal Boundary Problems in case of Plane Theory for Mixtures
Your role	presenter
Name and date:	International Conference “Architecture and Construction – Contemporary Problems”, From 30 of September to 3 of October of 2010, Yerevan – Jermuk, Armenia
Name of presentation	Some non-classical elasticity problems for a rectangular parallelepiped.
Your role	Co-presenter

Participation in scientific grants and programs (during the last 10 years)

Name of grants	“Linear and nonlinear Shell Counting and Effective Solution of 3 Dimensional thermo-elasticity localization-delocalization problems” (registration number 1.01.83)
Donor/Organization	National Scientific Fund of Georgia
Date/terms	2005
Your role/position	
Total sum of grants	

Language knowledge (write in appropriate cells: good, satisfied, and poorly)

Native language				
Foreign language	Russian	English	German	French
read	good	satisfied		
write	good	satisfied		
speak	good	satisfied		

Knowledge of Computer Programs (office, graphic and others)

Program	Good	Satisfied	Poorly
MS-Windows	√		
MS-Word	√		
MS-Excel			√
Poverprint			
Internet explorer	√		
Visual basic			
Corel			

Selected Publications

- 1) Solution of some Temperature Problems by I. Vekua's plate theory. Reports of Enlarged Session of the seminar of VIAM, v.14, N2, 1999, 11-14;
- 2) On I. Vekua's method in the theory of elastic Mixtures. Bulletin of TICMI, 4, 2000, 47-51;
- 3) Solution of the Problem for Temperature Stresses in Plate, Using I. Vekua Method. Reports of Enlarged Sessions of the Seminar of VIAM, v.15, N1, 2000, 6-9;
- 4) The spherical Shell of binary Mixture. Reports of Enlarged Session of the seminar of VIAM, v.16, N2, 2001, 58-61;
- 5) Some problems of Concentration of Stress for Plane Domains with Binary Mixtures. Reports of the Seminar VIAM. v.17, N1, 2002, 5-8;
- 6) General Solution of System of Equations of Spherical Shallow Shells in Binary Mixtures. Proceedings of I. Vekua Institute of Applied Mathematics, v.53, 2003, 20-32;
- 7) On Construction and Justification of Von Karman-Reissner System of Equations for Elastic Plates Binary Mixtures. Trans. of the GTU, 447, 2003, 53-65(T. Vashakmadze);
- 8) Investigation of an Equilibrium Problem of plate for St Venant-Kirchhoff Materials by I. Vekua's method (N=1 approximation). Reports of Enlarged Sessions of the seminar of VIAM, v.18, 2003, 60-63 (G. Devdariani, M. Mosia);
- 9) On the General Solution of Reissner-Filon Type System of Differential Equations for Elastic Plates Binary Mixtures. Proceedings of Javakishvili Tbilisi State University. Applied Mathematics and Computer Sciences. v. 253 (22-23), 2003, 53-65 (T. Vashakmadze, T. Meunargia);
- 10) General Solution of Stretch-Press and Bending Equations of Binary Mixture Using I. Vekua method for N=1 Approximation. Reports Seminar of VIAM, v.29, 2003, 33-44;
- 11) Investigation on One Nonlinear Problem of Isotropic Plate by I. Vekua's Method for Approximation N=1. Proceedings of I. Vekua Institute of Applied Mathematics, v.53, 2003, 1-14 (G. Devdariani, M. Mosia);
- 12) About Plane Theory for Hemitropic Elastic Materials. Reports of Enlarged Session of the Seminar of VIAM, v.19, N1, 2004, 38-42 (B.Gulua);
- 13) Reception and Investigation of Flexural and Membrane Equations of Plates Consisting of Binary Mixture, Applied Mathematics, Informatics and Mechanics, Tbilisi University Press, Tbilisi, v.9, N1, 2004, pp. 13-38 (G. Devdariani, M. Mosia);

- 14) Partially Clamped Shallow Shells Composition of Binary Mixture. Reports of Enlarged Session of the Seminar of VIAM, v.20, N2, 2005, 41-44;
- 15) The Numerical Solutions of some Boundary-Value Problems of Binary Mixture Plane Theory by Boundary Element Method. Bulletin of the Georgian Academy of Sciences, 173, N1, Tbilisi, 2006, 53-55 (N.Zirakashvili, M. Mosia, M. Narmania);
- 16) An application of the boundary element method for solving of the boundary-value problems for binary mixtures. Reports of Enlarged Session of the Seminar of VIAM, 2006-2007, v.21, N1, 69-72 (N.Zirakashvili, M. Mosia, M. Narmania);
- 17) Dirichlet problem for the Marguere-von Karman equations system. Bulletin of TICMI, N10, pp. 23-27 (G. Devdariani, B. Gulua));
- 18) Решение одного класса граничных задач теории пластин Векуа. Труды международной конференции «Неклассические задачи механики», т.1, 25-27. 10. 2007. Кутаиси, 254-259(N.Khomasuridze, N. Zirakashvili);
- 19) Solution of Some Boundary Value Problems of Vekua Shell Theory With Symmetry and Anti-Symmetry Conditions At the Boundaries, AMIM, v.12, N2, 2007, 1-12(N.Khomasuridze, N. Zirakashvili);
- 20) О численном решении задачи о трещине под внутренним давлением в случае бесконечной области, заполненной бинарной смесью. Сборник докладов международной научно-технической конференции «Архитектура и строительство-актуальные проблемы», т. 3, Ереван, 2008, 145-149 (N. Zirakashvili);
- 21) On the Construction of Analytic and Numerical Solutions of Some Plane Boundary Value Problems of the Elastic Mixture Theory. AMIM 2008, v.13, N 1, pp.66-78,. (N.Zirakashvili), http://www.viam.science.tsu.ge/Ami/2008_1/2008_1.htm
- 22) Derivation of two-dimensional equation for shallow shells by means of the method of I.Vekua in the case of linear theory of elastic mixtures. Journal o Mathematical Sciences. Spr. New York, 2009, vol. 157, N1, 70- 78.
- 23) Determining the elastic equilibrium of a cylindrical shell by Vekua's theory based on the classical elasticity theory and the theory of binary mixtures. Archive of Applied Mechanics, Springer Berlin / Heidelberg, April 15, 2010, DOI: 10.1007/s00419-010-0426-7, [Volume 81, Number 4](#), 531-542 (whit N.Khomasuridze, N.Zirakashvili)
- 24) Some non-classical elasticity problems for a rectangular parallelepiped. Proceedings of International Conference“Architecture and Construction – Contemporary Problems”, From 30 of October to 3 of september of 2010, Yerevan – Jermuk, 164-170 (whit N.Khomasuridze)

FIELD OF RESEARCH

Solids Mechanics, Shells Theory.