

# CURRICULUM VITAE

*of*

## **Bakur Gulua**

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Last name: Gulua

First name: Bakur

Date of birth: December 09, 1979

Place of birth: Shokhumi, Republic of Georgia

Marital status: don't married

Citizenship: Georgia

### EDUCATION

Graduated from Zugdidi Branch of Tbilisi State University for Mathematics, 2000, Honours Diploma Bachelor of Mathematics.

Graduated from the Tbilisi State University for Applied Mathematics, 2002, Honours Diploma Master in Applied Mathematics.

Ph.D. (Candidate of Sci.), (Advisor: Professor Tengiz Meunargia).

Languages spoken: Georgian (Native), Russian, English.

#### EMPLOYMENT

- 2008 – present: Laboratorian of laboratory of mathematical problems of the mechanics of continua and related problems of the analysis, I. Vekua Institute of Applied Mathematics, Tbilisi State University
- 2009 – 2011: Invited by contract, Iv.Javakhishvili Tbilisi State University
- 2007 – 2008: Invited by contract, Iv.Javakhishvili Tbilisi State University
- 2006 – 2007: Invited by contract, Zugdidi Branch of TSU

#### FIELD OF RESEARCH

Main activities: Shallow and Non-Shallow Shells. Boundary Value Problems for Linear and Nonlinear (Geometrically and Physically) Theories of Shallow and Non-Shallow for Cylindrical and Spherical Shells.

#### GRANTS, AWARDS, AND SCIENTIFIC PROJECTS

- 2009: Georgia national science foundation

#### Full list of publications

1. On construction of approximate solutions of equations of the non-linear and non-shallow cylindrical shells, Bulletin of TICMI, vol.13, 2009, pp. 30-37.
2. I. Vekua's method for the geometrically nonlinear and non-shallow cylindrical shells, Seminar of I. Vekua Institute of Applied Mathematics REPORTS, Volume 35, 2009, pp.87-91.
3. The Method of I. N. Vekua for Nonshallow Cylindrical Shells, Journal of Mathematical Sciences, Volume 157, Number 1, 43-51, Springer.
4. The Method of the Small Parameter for Non-Linear Shallow Cylindrical Shells, Seminar of I. Vekua Institute of Applied Mathematics REPORTS, Vol. 34, 2008, pp.60-64.
5. On Application of I. Vekua's Method for Non-Linear Shallow Cylindrical Shells, AMIM Vol.12 No.1, 2007, pp. 53-59.

6. Построение приближенных решений некоторых граничных задач для уравнений нелинейной пологой цилиндрической оболочки, Труды международной конференции “ неклассические задачи механики”, Том I, 2007, ст. 186 -190, Кутаиси.
7. I. Vekua Approximation  $N = 1$  for the Non-shallow Cylindrical Shells, Reports of Enlarged Session of the Seminar of I.Vekua Institute of Applied Mathematics, Vol.21, #2, 2006, pp.79-84.
8. Dirichlet Problem for the Marguerre-von Karman Equations System, Bulletin of TICMI, Vol. 10, 2006, pp. 23-27.
9. The Method of the Small Parameter for Non-shallow Cylindrical shells, Bulletin of the Georgian Academy of Sciences, 173, #1, 2006, pp. 42-45.
10. On Construction of Approximate Solutions of Equations of the Non-shallow Cylindrical Shells, Proceedings of I. Vekua Institute of Applied Mathematics, Vol. 54-55, 2004-2005, pp. 83-92.
11. About one Boundary Value Problem for Non-shallow Cylindrical shells, Reports of Enlarged Session of the Seminar of I.Vekua Institute of Applied Mathematics, Vol.20,#2, 2005, pp.38-42.
12. About Plane Theory for Hemitropic Elastic Materials, Reports of Enlarged Session of the Seminar of I.Vekua Institute of Applied Mathematics, Vol. 19,#1,2004,pp.38-42.
13. Application of I. Vekua Method for Non-shallow Cylindrical Shells, Reports of Enlarged Session of the Seminar of I.Vekua Institute of Applied Mathematics, Vol. 18,#1-2,2003.