

List of Main Publications

1. The boundedness of singular integral operators of parabolic type in the space $H_{\{p,\phi\}}$. (Russian) *Annot. Dokl., Semin. Inst. Prikl. Mat., Tbilis. Univ.* No. 9, (1974), 53-66.
2. A complementability condition for contact-boundary problems of elasticity theory and the moment theory of elasticity. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **85** (1977), no. 2, 293-296 (with O. I. Maisaia).
3. A study of some fundamental contact boundary problems of statics of elasticity theory and the moment theory of elasticity. (Russian) *Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy* **5/6** (1978), 68-92 (with O. I. Maisaia).
4. Contact boundary problems of the dynamics of the theory of elasticity for anisotropic inhomogeneous elastic media. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **94** (1979), no. 1, 37-40.
5. Contact boundary problems of the dynamics of the moment theory of elasticity for inhomogeneous anisotropic elastic media. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **95** (1979), no. 1, 37-40.
6. Some modified boundary-contact problems of statics of the classical and moment theory of elasticity. (Russian) *Proceedings of I. Vekua Institute of Applied Mathematics, 7 (Russian)*, pp. 57-83, 147, *Tbilis. Gos. Univ., Tbilisi*, 1980.
7. Some modified boundary contact problems of the statics of the classical and moment theory of elasticity. (Russian) *Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy* **7** (1980), 57-83.
8. Some new boundary-contact problems of the dynamics of classical elasticity theory for inhomogeneous anisotropic elastic media. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **121** (1986), no. 2, 253-256.
9. Some modified boundary-contact problems of the dynamics of the moment theory of elasticity for inhomogeneous anisotropic elastic media. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **121** (1986), no. 3, 465-468.
10. The quasireversibility method for contact problems of elasticity theory. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **126** (1987), no. 3, 497-500 (with O. I. Maisaia).
11. Investigation of ill-posed problems in the classical and the moment theory of elasticity. (Russian) *Trudy Tbiliss. Mat. Inst. Razmadze Akad. Nauk Gruzin. SSR* **87** (1987), 114-125 (with O. I. Maisaia).
12. A theorem on an isoperimetric problem of the elasticity theory. *Bull. Georgian Acad. Sci.* **156** (1997), no. 1, 12-16 (with O. Maisaia).
13. On an extremal problem of the elasticity theory. *Bull. Georgian Acad. Sci.* **156** (1997), no. 2, 194-198 (with O. Maisaia).
14. Some qualitative problems of the linear elasticity theory. *Mem. Differential Equations Math. Phys.* **15** (1998), 59-80 (with O. Maisaia).
15. Signorini problem in couple-stress elasticity and its reduction to the boundary variational inequalities. *Bull. Georgian Acad. Sci.* **158** (1998), no. 1, 4-7 (with O. Maisaia).

16. Some boundary value problems of the couple-stress elasticity with frictions. *Proc. A. Razmadze Math. Inst.* **119** (1999), 25-41 (with O. Maisaia).
17. Signorini's problem with friction for a layer in the couple-stress elasticity. *Proc. A. Razmadze Math. Inst.* **122** (2000), 45-57.
18. Problems of statics and dynamics of the couple-stress elasticity with regard for friction. *Bull. Georgian Acad. Sci.* **161** (2000), no. 1, 34-37 (with O. Maisaia).
19. Application of the method of boundary variational inequalities for problem of statics of the theory of elasticity with regard for friction. *Bull. Georgian Acad. Sci.* **161** (2000), no. 2, 198-200 (with O. Maisaia).
20. * Unilateral contact of elastic bodies in couple – stress theory. *Georgian Math. J.* **8** (2001), no. 4, 753-766.
21. Exterior problems with friction in the couple-stress elasticity. *Proc. A. Razmadze Math. Inst.* **133** (2003), 21-35.
22. * Interior and exterior problems of couple-stress and classical elastostatics with given friction. *Georgian Math. J.* **12** (2005), no. 1, 53-64.
23. Some dynamic problems of piezoelectricity in domains with cuts. *Mem. Differential Equations Math. Phys.* **38** (2006), 135-137 (with O. Chkadua and T. Buchukuri).
24. On a consequence of generalized Signorini's problem. *Mem. Differential Equations Math. Phys.* **38** (2006), 141-145.
25. Wedge-type boundary-contact dynamic problems of elasticity. *Mem. Differential Equations Math. Phys.* **38** (2006), 150-153 (with O. Chkadua).
26. A boundary variational inequality approach to unilateral contact with hemitropic materials. *Mem. Differential Equations Math. Phys.* **39** (2006), 69-103 (with J. Gwinner and D. Natroshvili).
27. * Transmission problems in the theory of elastic hemitropic materials. *Appl. Anal.* **86** (2007), no. 12, 1463-1508 (with A. Gachechiladze, D. Natroshvili and I. Stratis).
28. Boundary-contact problems for elastic hemitropic bodies. *Mem. Differential Equations Math. Phys.* **48** (2009), 75-96 (with A. Gachechiladze and D. Natroshvili).
29. * Unilateral contact problems with friction for hemitropic elastic solids. *Georgian Math. J.* **16** (2009), no. 4, 629-650 (with A. Gachechiladze and D. Natroshvili).
30. * A boundary variational inequality approach to unilateral contact problems with friction for micropolar hemitropic solids. *Math. Methods Appl. Sci.* **33** (2010), no. 18, 2145-2161 (with A. Gachechiladze, J. Gwinner and D. Natroshvili).
31. * Contact problems with friction for hemitropic solids: boundary variational inequality approach. *Appl. Anal.* **90** (2011), no. 2, 279-303 (with A. Gachechiladze, J. Gwinner and D. Natroshvili).
32. Boundary contact problems with friction of dynamics for hemitropic elastic solids. *Proc. A. Razmadze Math. Inst.* **155** (2011), 113-116 (with A. Gachechiladze and D. Natroshvili).

33. * Frictionless contact problems for elastic hemitropic solids: boundary variational inequality approach. *Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl.* **23** (2012), no. 3, 267-293 (with A. Gachechiladze and D. Natroshvili).
34. The boundary contact problem for hemitropic elastic solids with friction arising along the normal. *Proc. A. Razmadze Math. Inst.* **163** (2013), 39-57 (with A. Gachechiladze).
35. * Dynamical contact problems with friction for hemitropic elastic solids. *Georgian Math. J.* **21** (2014), no. 2, 165-185 (with A. Gachechiladze and D. Natroshvili).
36. * One-sided contact problems with friction arising along the normal. Translation of *Differ. Uravn.* **52** (2016), no. 5, 589-607. *Differ. Equ.* **52** (2016), no. 5, 568-586 (with A. Gachechiladze).
37. Unilateral contact problems with a friction. *Trans. A. Razmadze Math. Inst.* **170** (2016), no. 3, 363-375 (with A. Gachechiladze).