List of Main Publications

1. A generalized Hilbert boundary value problem for several unknown functions. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **72** (1973), 537-540.
2. A certain generalized Hilbert boundary value problem for several unknown functions in the case of a disc of unit radius. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **74** (1974), 25-28.
3. A certain generalized Hilbert boundary value problem for several unknown functions with shifts. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **75**(1974), 25-28.
4. A certain generalized Hilbert boundary value problem for several unknown functions with shifts. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **79** (1975), no. 2, 277-280.
5. A one-sided boundary value problem for holomorphic vectors in the case of a multiply connected domain. (Russian) *Trudy Tbiliss. Univ.* **239** (1983), 135-138.
6. A generalized Hilbert problem for several unknown functions with shifts. (Russian) *Trudy Tbiliss. Univ.* **239** (1983), 139-156.
7. Некоторые обобщенные граничные задачи Гильберта для нескольких неизвестных функций. *Диссертация на соискание ученой степени кандидата физ.-мат. наук, Тбилиси,* 1984.
8. The generalized Hilbert boundary value problem for a piecewise holomorphic vector with shift. (Russian) *Reports of the extended sessions of a seminar of the I. N. Vekua Institute of Applied Mathematics, Vol. I, no. 1 (Russian) (Tbilisi, 1985),* 94-97, 245-246, *Tbilis. Gos. Univ., Tbilisi,*1985.
9. A one-sided linear boundary conjugation problem in classes of analytic and generalized analytic functions. (Georgian) *Trudy Tbiliss. Univ. Mat. Mekh. Astronom.* No. 22-23 (1987), 49-61 (with G. N. Aleksandriya)**.**
10. Boundary conditions for the conjugation of plates with a nonsymmetric rib of varying cross section relating deflections and stress functions. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **131** (1988), no. 3, 497-500 (with I. A. Zonenashvili and A. G. Zinevich).
11. პროგრამა და მეთოდური მითითებები დისციპინაში "მასალათა გამძლეობა და სამშენებლო მექანიკა". თსუ 1988წ. (თანაავტ. მ. კუკულაძე, ი.ზონენაშვილი, თ. მამნიაშვილი).
12. მასალათა გამძლეობა და სამშენებლო მექანიკის ელემენტები. თსუ, 1993წ. (თანაავტ. მ.კუკულაძე, ი.ზონენაშვილი, თ.მამნიაშვილი).
13. Об одной задаче изгиба пластинки. საერთაშორისო კონფერენცია. შრომები. თბილისი, 16-18 ივნისი, 1997.
14. The problem of bending of a free supported plate bounded by two convex broken lines. *International Symposium on Differential Equations and Mathematical Physics* (DEMPh) *dedicated to the 90th birthday anniversary of Academician I. Vekua*, Tbilisi, 1997.
15. Problem of bending of a plate bounded by two convex polygons. *Rep. Enlarged Sess. Semin. I. Vekua Inst. Appl. Math.* **13** (1998), no. 1, 17–21.
16. About one problem of bending of a plate. *Rep. Enlarged Sess. Semin. I. Vekua Inst. Appl. Math.* **14** (1999), no. 2, 15-18.
17. Conformal mapping of doubly-connected domain bounded by broken line on circular ring. *Bull. Georgian Acad. Sci.* **160** (1999), no. 3, 435-437 (2000).

18. Conformal mapping of infinite doubly-connected domain bounded by broken lines on circular ring. *Bull. Georgian Acad. Sci.* **162** (2000), no. 2, 218-221.
19. On conformal mapping of doubly-connected domain bounded by convex polygon with linear section on circular ring. *Bull. Georgian Acad. Sci.* **161** (2000), no. 2, 192-194.
20. Boundary value problems of bending of a plate for an infinite doubly-connected domain bounded by broken lines. *Georgian Math. J.* **7** (2000), no. 3, 513-521.
21. Solving a problem of a bending of the plate with partly unknown boundary using complex analysis. *Rep. Enlarged Sess. Semin. I. Vekua Inst. Appl. Math.* **15** (2000), no. 1-3, 10-13.
22. On a problem of the plate bending for a finite two connected domain with a partially unknown boundary, *Rep. Enlarged Sess. Semin. I. Vekua Inst. Appl. Math.* **15** (2000), no. 1-3, 86-89.
23. Об одной задаче изгиба пластинки, занимающей двухсвязную область, ограниченную выпуклым многоугольником и прямолинейным разрезом. *Труды Тбилисского государственного университета* **335** (2000), 89-95.
24. On a problem of the bending of a plate with a partially unknown boundary. (Russian) *Izv. Nats. Akad. Nauk Armen. Mekh.* **53** (2000), no. 4, 17-23.
25. Boundary value problem of plate bending for a finite doubly-connected region. *Proc. A. Razmadze Math. Inst.* 123 (2000), 31-40.
26. ანალიზურ ფუნქციათა თეორიის ერთი შერეული ამოცანის შესახებ წრეწირის რკალების გასწვრივ გაჭრილი წრიული რგოლისათვის. საერთაშორისო სიმპოზიუმი „თხელკედლიანი სივრცითი სისტემების პრობლემებზე“. თბილისი, 4-5 ივლისი, 2001, 17-21.
27. A plate bending problem for a finite doubly-connected domain bounded by a convex polygon and a rectilinear cut. (Russian) *Izv. Nats. Akad. Nauk Armen. Mekh.* **54** (2001), no. 1, 36-41.
28. On a problem of the bending of a plate for a doubly connected domain bounded by polygons. (Russian) *translated from Prikl. Mat. Mekh.* **66** (2002), no. 4, 616-620. *J. Appl. Math. Mech.* **66** (2002), no. 4, 601-604.
29. One mixed problem of the theory of analytical functions for circular ring cut along an arc of circle. *Semin. I. Vekua Inst. Appl. Math. Rep.* **28** (2002), 12-18.
30. Конформное отображение двухсвязной области ограниченной ломаными на круговое кольцо. *Пробл. матем. модел. и оптимал. управл.*, Баку, Чашыоглы, 2001, 123-128.
31. *On the problems of the bending plate for a double connected domains bounded by polygons*. Doctor of Sci., Tbilisi, 2003.
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35. Задача отискания равнопрочного контура внутри квадрата при изгибе пластинки. *Труды Тбилисского технического университета* №2 (452), 2004, 10-14 (соавт. К.Кахая).

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40. On one problem of the plane theory of elasticity with a partially unknown boundary. *Proc. A. Razmadze Math. Inst.* 143 (2007), 61-71.
41. Problems of plane theory of elasticity and of bending of thin plates with partially unknown boundaries. *Complex Analysis, Partial Differential Equations, and Mechanics of Continua*, Ilia Vekua – 100 ISAAC Conference, 23-27 April, 2007, Tbilisi (with R. Bantsuri and N. Odishelidze).
42. Об одной задаче плоской теории упругости для бесконечной полосы. ославленной периодично расположенными равнопрочными отверстиями. М*еждународный научный журнал «Проблемы механики»* №2 (27), 2007, 64-71 (Соовт. К.Кахая).
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45. On one problem of the plane theory of elasticity for a half-plane weakened by periodically arranged equally strong holes. *Proc. A. Razmadze Math. Inst.* **156** (2011), 49-56.
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47. On a certain problem of finding of equal-strength contour for elastic half-plane weakened by periodically arranged holes and cuttings on border. *Georgian Int. J. Sci. Technol.* **5** (2013), no. 3-4, 157-165 (with K. Kakhaia and G. Kipiani).
48. The problem of finding a full-strength contour inside the polygon. *Proc. A. Razmadze Math. Inst.* **163** (2013), 1-7 (with R. Bantsuri).
49. The plane problem of the theory of elasticity for a polygonal domain with a rectilinear cut. *Proc. A. Razmadze Math. Inst.* **164** (2014), 13-17 (with R. Bantsuri).
50. On one problem of the plane theory of elasticity for a finite polygonal domain with a circular hole. *Proc. A. Razmadze Math. Inst.***166** (2014), 61-67 (with L. Gogolauri).
51. Problem of finding full-strength contour for strips weakened by periodically distributed holes and cutting-outs on border. *Georgian Int. J. Sci. Technol.* **3** (2012), no. 4, 375-380 (with K. Kakhaia and G. Kipiani).
52. A problem of plane elasticity for a rectangular domain with a curvilinear quadrangular hole. *Appl. Math. Inform. Mech.* **20** (2015), no. 2, 24-33, 48-49 (with B. Gulua).
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