

Professor, Dr. David Natroshvili

FULL LIST OF PUBLICATIONS

I. Scientific works

1. D.Natroshvili, *Explicit solutions to the basic boundary value problems of elastostatics for an isotropic ball*. Tr. In-ta Prikl. Mat. Tbilis. Univ., 3, 1972, 127-140.
2. D.Natroshvili, *Explicit solutions to the third and the fourth boundary value problems of elastostatics for a ball*. Soobshch. Akad. Nauk Gruz. SSR. 63(3), 1972, 557-560.
3. D.Natroshvili, *Some fundamental and mixed type boundary value problems for a semi-ball*. Annot. Dokl. Sem. In-ta Prikl. Mat. Tbilis. Univ., 8, 1973, 9-18.
4. D.Natroshvili, *The basic contact problem for a sphere*. Annot. Dokl. Sem. In-ta Prikl. Mat. Tbilis. Univ., 8, 1973, 19-22.
5. D.Natroshvili, *Explicit solutions to boundary and boundary-contact value problems of elastostatics*. Candidate Thesis. Tbilisi University, 1973, 140pp.
6. D.Natroshvili, *Explicit solutions to the basic three-dimensional statical problems of thermoelasticity for concrete domains*. Konferenz. Molod. Uch. Aspirant. In-ta Prikl. Mat. Tbilis. Univ., 1974, 107-108.
7. D.Natroshvili, *Explicit solutions to the basic boundary value problems of the non-symmetric theory of elasticity for a half-space*. Soobshch. Akad. Nauk Gruz. SSR, 76(1), 1974, 57-60.
8. D.Natroshvili, *Analogies of Poisson and Dini formulas in the thermoelasticity for a sphere*. Annot. Dokl. In-ta Prikl. Mat. Tbilis. Univ., 10, 1975, 55-58.
9. D.Natroshvili, A. Djagmaidze, *Solutions to the basic boundary value problems of statics of the non-symmetric theory of elasticity for a ball*. Annot. Dokl. In-ta Prikl. Mat. Tbilis. Univ., 10, 1975, 49-53 .
10. D.Natroshvili, M. Bacheleishvili, *On the uniqueness of solutions to the Cauchy problem in the non-symmetric theory of elasticity*. Nekot. Zad. Teor. Uprug., Sbornik Tr., Tbilisi, 1975, 21-28.

11. D.Natroshvili, A.Djagmaidze, *General representation of a solution to the static equations of non-symmetric theory of elasticity and some applications*. Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 1975, 93-112.
12. D.Natroshvili, *Explicit solutions to the basic boundary value problems for the bi-harmonic equation in exterior to a circle and a ball by means of Green's functions*. Tr. Tbilis. Univ., 166, 1976, 30-35.
13. D.Natroshvili, *Solution to the Cauchy problem of the equations of the non-symmetric theory of elasticity*. Annot. Dokl. Sem. In-ta Prikl. Mat. Tbilis. Univ., 11, 1976, 45-50.
14. D.Natroshvili, M.Basheleishvili, *Existence theorems of solutions to the basic boundary value problems of elasticity for transversally isotropic bodies*. Dokl. Akad. Nauk. SSSR, 231(1), 1976.53-57.
15. D.Natroshvili, *Solutions to the basic boundary value problems of statics of the non-symmetric theory of elasticity for a half-space by Fourier method*. Annot. Dokl. Sem. In-ta Prikl. Mat. Tbilis. Univ., 11, 1976, 5-18.
16. D.Natroshvili, *On the uniqueness theorem of solutions to the Cauchy problem in anisotropic elasticity*. Soobshch. Akad. Nauk Gruz. SSR, 85(2), 1977, 321-324.
17. D.Natroshvili, *Solution to the Cauchy problem in the anisotropic elasticity*. Soobshch. Akad. Nauk Gruz. SSR, 85(1), 1977, 49-52.
18. D.Natroshvili, A.Djagmaidze, *Some static and dynamic problems of the theory of elasticity for piecewise homogeneous bodies*. The Third National Congress in Theoretical and Applied Mechanics, Varna 13-16 Sept., Proc. I, Sophia, 1977, 551-555.
19. D.Natroshvili, *General representation of solutions to the steady state oscillation equations of the non-symmetric theory of elasticity and applications in dynamic Problems*. Tr. In-ta Prikl. Mat. Tbilis. Univ., 5-6, 1978, 225-234.
20. D.Natroshvili, *Estimate of Green's tensors of the theory of elasticity*. Differential'nye Uravnenia, XIV, 7, 1978, 1272-1284.
21. D.Natroshvili, *Maximum principle in the non-symmetric theory of elasticity*. Differential'nye Uravnenia, XIV, 9, 1978, 1649-1658.
22. D.Natroshvili, A.Djagmaidze, *Dynamic problems of the theory of elasticity for piecewise homogeneous bodies*. Tbilisi University, Tbilisi, 1978, 64pp.

23. D.Natroshvili, *Estimate of Green's tensors of the theory of elasticity and their applications*. Tbilisi University, Tbilisi, 1978, 135pp.
24. D.Natroshvili, M.Basheleishvili, *Dynamic problems of the theory of elasticity for homogeneous anisotropic bodies*. Tr. Tbilis. Univ., 204, 1978, 24-46.
25. D.Natroshvili, *On fundamental matrices of steady state oscillation and pseudo-oscillation equations of anisotropic elasticity*. Soobshch. Akad. Nauk Gruz. SSR, 96(1), 1979, 49-52.
26. D.Natroshvili, *Limiting absorption principle in the anisotropic elasticity*. Soobshch. Akad. Nauk Gruz. SSR, 96(2), 1979, 309-312.
27. D.Natroshvili, A.Djagmaidze, M.Svanadze, *Some contact problems for piecewise homogeneous bodies*. All-Union Conf. in the Theory of Elasticity. Abstracts. Erevan, 13-16 November, 1979, 242-245.
28. D.Natroshvili, M.Basheleishvili, *Application of the singular integral equation method in the boundary value problems of the theory of elasticity for transversally isotropic bodies*. In: Differential and Integral Equations, Boundary Value Problems. Tbilisi University, Tbilisi, 1979, 11-32.
29. D.Natroshvili, *Solutions of dynamic problems for a ball*. Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 1980, 72-88.
30. D.Natroshvili, A.Djagmaidze, *Solutions to the basic dynamic problems of the non-symmetric theory of elasticity for a ball and spherical layer*. Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 1980, 89-104.
31. D.Natroshvili, A. Djagmaidze, M. Svanadze, *Boundary-contact value problems of the elasticity theory*. Tbilisi University, Tbilisi, 1980, 88pp.
32. D.Natroshvili, M.Svanadze, *Dynamic problems of coupled thermoelasticity for piecewise homogeneous bodies*. Tr. In-ta Prikl. Mat. Tbilis. Univ., 10, 1981, 99-190.
33. D.Natroshvili, *On the alternative version of proving the existence theorems in exterior problems of the steady state oscillation theory*. Tr. In-ta Prikl. Mat. Tbilis. Univ., 10, 1981, 90-98.
34. D.Natroshvili, *On an integral equation of the first kind*. Soobshch. Akad. Nauk Gruz. SSR, 102(3), 1981, 565-568.
35. D.Natroshvili, *Properties of fundamental solutions to the steady state oscillation equations of anisotropic elasticity*. Soobshch. Akad. Nauk Gruz. SSR, 104(3), 1981, 557-560.

36. D.Natroshvili, M. Svanadze, *Basic boundary and boundary-contact value problems of anisotropic elastostatics*. Tbilisi University, Tbilisi, 1981, 84pp.
37. D.Natroshvili, M.Svanadze, *Explicit solutions to the dynamic problems of the anisotropic elasticity theory*. Soobshch. Akad. Nauk Gruz. SSR, 104(2), 1981, 313-316.
38. D.Natroshvili, M.Svanadze, *Dynamic contact problems of the elasticity theory for piecewise homogeneous bodies*. Conf. in: Mechanics and Theory of Elasticity, Telavi, 30 Sept.-5 Oct., 1981, Abstracts, Tbilisi, 1981, 62-63.
39. D.Natroshvili, A.Djagmaidze, *Investigation of boundary-contact value problems of statics of the non-symmetric theory of elasticity*. Conf. in Mechanics and Theory of Elasticity, Telavi, 30 Sept. – 5 Oct., 1981. Abstracts, Tbilisi, 1981, 62-63.
40. D.Natroshvili, *Uniqueness theorems in exterior problems of steady state oscillation theory for anisotropic medium*. Soobshch. Akad. Nauk Gruz. SSR, 105(2), 1982, 261-264.
41. D.Natroshvili, *Existence theorems in the exterior problems of steady state oscillation theory for anisotropic medium*. Soobshch. Akad. Nauk Gruz. SSR, 106(1), 1982, 33-36.
42. D.Natroshvili, *Basic dynamic problems of the thermoelasticity theory for anisotropic layer*. Conf. in Applied Mathematics and Mechanics, 19-20 Novemb., 1981, Abstracts, Tbilisi, 1983, 129-134.
43. D.Natroshvili, A.Djagmaidze, *Boundary-contact value problems of the non-symmetric theory of elasticity*. Tr. In-ta Prikl. Mat. Tbilis. Univ., 12, 1983, 69-90.
44. D.Natroshvili, *Potential method in the anisotropic thermoelasticity*. 8 Tagung Uber Probleme und Methoden der Mathematische Physik. Vortragsauszuge 8 TMP. Technische Hochschule Karl-Marx-Stadt. 1983, 37.
45. D.Natroshvili, A.Djagmaidze, *Initial boundary-contact problems in the non-symmetric theory of elasticity*. X Conf. of Mathematicians of Georgia, Telavi, 9-12 November, 1983. Abstracts, Tbilisi, 1983, 113.
46. D.Natroshvili, *Dynamic problems of the anisotropic thermoelasticity theory*, Differentsial'nye Uravnenia, XX, 1, 1984, 87-98.
47. D.Natroshvili, *Boundary value problems of statics of the linear theory of elastic mixtures*. The II All- Union Conf. in the Theory of Elasticity, 8-10 Dec., 1984, Abstracts, Tbilisi University, Tbilisi. 1984, 202-203.

48. D.Natroshvili, *Investigation of boundary value and initial boundary value problems of the mathematical theory of anisotropic elasticity and thermoelasticity by potential method*. Doctor thesis, Tbilisi Institute of Mathematics (Georgian Academy of Sciences), Tbilisi, 1984, 325pp.
49. D.Natroshvili, *Equilibrium of a half-space with a spherical cavity*. Tr. In-ta Prikl. Mat. Tbilisi. Univ., 16, 1985, 149-154.
50. D.Natroshvili, *On the regularization of an integral equation of the first kind*. Soobshch. Akad. Nauk Gruz. SSR, 117(3), 1985, 501-504.
51. D.Natroshvili, A.Djagmaidze, *Dynamic problems of the non-symmetric theory of elasticity for piecewise homogeneous bodies*. Tr. In-ta Prikl. Mat. Tbilisi. Univ. 16, 1985, 155-181.
52. D.Natroshvili, *On some boundary-value problems of the theory of elastic mixtures*. Tr. Sem. I. Vekua In-ta Prikl. Mat. Tbilisi. Univ. 22-25 Apr., 1986. Tbilisi, 1986, 87-90.
53. D.Natroshvili, A.Djagmaidze, M.Svanadze, *Dynamic problems of the theory of elastic mixtures and constructing the explicit solutions to the static problems*. XI Conf. of Mathematicians of Georgia, Kutaisi, 28-30 May, 1986. Kutaisi, 1986, 213.
54. D.Natroshvili, A.Djagmaidze, M.Svanadze, *Problems of the linear theory of elastic mixtures*. Tbilisi University, Tbilisi, 1986, 215pp.
55. D.Natroshvili, *The third and the fourth boundary value problems of the theory of elasticity for anisotropic bodies*. Tr. In-ta Prikl. Mat. Tbilisi. Univ., 23, 1988 89-104.
56. D.Natroshvili, *Investigation of the third and the fourth boundary value problems of the anisotropic elasticity*. All-Union Symposium: "Modern Problems of Mathematical Physics", Tbilisi, 22-24 April, 1987. Proceedings, Vol. 2, Tbilisi, 1988, 285-294.
57. D.Natroshvili, *Potential methods in the theory of elastic mixtures*. 9 Tagung Uber Probleme und Methoden der Mathematischen Physik. Autorreferate der Kurzvortrage. Karl-Marx-Stadt, 1988, 30.
58. D.Natroshvili, M.Svanadze, *Potential method in the problems of linear theory of elastic mixtures*. In: *Problems and Methods in Mathematical Physics*. 9 TMP, Karl-Marx-Stadt, 1988. Proc., Teubner Texte zur Mathematik, 1988, 199-206.

59. D.Natroshvili, A.Djagmaidze, L.Giorgashvili, Sh.Zazashvili, M. Usanetashvili, *Boundary-contact value problems of dynamics and steady state oscillations of linear theory of elastic mixtures*. Conf. Dynamical Problems of Mechanics, Krasnodar, 1988, 105-106.
60. D.Natroshvili, R. Duduchava, E.Shargorodsky, *On continuity of generalized solutions to the boundary value problems of the mathematical theory of cracks*. Soobshch. Akad. Nauk Gruz. SSR, 135(3), 1989, 497-500.
61. D.Natroshvili, R.Duduchava, E.Shargorodsky, *Basic boundary value problems of the mathematical theory of cracks for anisotropic medium*. Proc. of Seminar of I.Vekua Institute of Tbilisi University, Tbilisi, 1989, 87-90.
62. D.Natroshvili, *Exterior boundary-contact value problems of steady state oscillations of anisotropic bodies*. IV Conf. on Differential Equations and Applications, 13-19 Aug., 1989, Rouse, Abstracts, 211.
63. D.Natroshvili, *Exterior boundary value problems for differential equations of steady state oscillations of anisotropic elasticity*. Proc. of the International Conf. on Differential Equations and Applications held in Rouse, Bulgaria, 13-19 Aug., 1989, Rouse, 1991, 444-455.
64. D.Natroshvili, *Method of generalized series in anisotropic elasticity*. Tr. In-ta Prikl. Mat. Tbilisi. Univ. , 39, 1990, 110-132.
65. D.Natroshvili, R.Duduchava, E.Shargorodsky, *Boundary value problems of the mathematical theory of cracks*. Tr. In-ta Prikl. Mat. Tbilisi. Univ., 39, 1990, 68-84.
66. D.Natroshvili, O.Chkadua, E.Shargorodsky, *Mixed type boundary value problems of the anisotropic elasticity*. Tr. In-ta Prikl. Mat. Tbilisi Univ., 39, 1990 133-181.
67. D.Natroshvili, E.Shargorodsky, *Three-dimensional problems of dynamics for elastic bodies with cuts*. Soobshch. Akad. Nauk Gruz.SSR, 140(2), 1990, 281-284.
68. D.Natroshvili, E.Shargorodsky, *Mixed type boundary value problems of steady state oscillations for anisotropic bodies*. Conf. in: Dynamics of Solid Bodies and Stability of Motion, 1990, Donetsk, 57-58.
69. D.Natroshvili, *Non-classical contact problems for anisotropic bodies*. Reports of Enlarged Session of the Seminar of I. Vekua Institute of Tbilisi University, Tbilisi State University, Vol.6, No.2, 116-119, 1991.
70. D.Natroshvili, *Stability of solution to the first boundary value problem with respect to variation of domain*. Soobshch. Akad. Nauk Gruz. SSR, 142(2), 1991, 289-292.

71. D.Natroshvili, *Crack problems in the anisotropic thermoelasticity*. Abstracts: Continuum Mechanics and Related Problems of Analysis. Symposium Dedicated to the Centenary of Academician N. Muskhelishvili. Tbilisi, 1991, 103.
72. D.Natroshvili, R.Duduchava, E. Shargorodsky, *Mixed boundary-contact value problems for piecewise homogeneous anisotropic bodies*. Abstracts: Mechanics of Non-homogeneous Structures. The Third Conference, 17-19 Sept., 1991, Lvov, 110.
73. D.Natroshvili, *Mathematical problems of the theory of elasticity of an anisotropic medium*. Proceedings of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, 46, 1992, 147-159.
74. D.Natroshvili, *Boundary-contact problems of the steady state oscillation theory for piecewise homogeneous elastic medium*. Proceedings of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, 46, 1992, 134-146.
75. D.Natroshvili, G.Arsenashvili, *Interface problems of the theory of elastic mixtures*. Reports of Enlarged Session of the Seminar of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, Vol.8, No.2, 8-11, 1993.
76. D.Natroshvili, I.Sigua, *Interface problems of the theory of thermoelasticity for anisotropic bodies*. Reports of Enlarged Session of the Seminar of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, Vol.8, No.2, 72-75, 1993.
77. D.Natroshvili, R.Duduchava, E. Shargorodsky, *Mathematical problems of thermoelasticity for bodies with cuts*. Extended Abstracts. International Symposium on Boundary Element Methods, IABEM 93, August 16-19,1993, Braunschweig.
78. D.Natroshvili, *Mathematical problems of the anisotropic elasticity for piecewise homogeneous bodies*. In: Jentsch, Tröltzsch (eds.), Problems and Methods in Mathematical Physics, Teubner-Texte Zur Mathematik, Band 134, Stuttgart-Leipzig, 1994, 100-110.
79. D.Natroshvili, L.Jentsch, *Non-classical interface problems for piecewise homogeneous anisotropic elastic bodies*, Mathematical Methods in the Applied Sciences, vol. 18, 1995, 27-49.
80. D.Natroshvili, *Mixed interface problems for anisotropic elastic bodies*. Georgian Mathematical Journal, Vol. 2, No. 6, 631-652, 1995.
81. D.Natroshvili, *Two-dimensional steady state oscillation problems of anisotropic elasticity*. Georgian Mathematical Journal, Vol. 3, No. 3, 239-262, 1996.

82. D.Natroshvili, *Boundary integral equation method in the mixed type interface problems of the anisotropic elasticity*. Abstracts, STAMM-94, Symposium on Trends in Applications of Mathematics to Mechanics, Lisboa, 23-30, July,1994.
83. D.Natroshvili, R.Duduchava, E.Shargorodsky, *Basic boundary value problems of thermoelasticity for anisotropic bodies with cuts*, I, Georgian Mathematical Journal, Vol. 2, No. 2, 1995,123-140 .
84. D.Natroshvili, R.Duduchava, E.Shargorodsky, *Basic boundary value problems of thermoelasticity for anisotropic bodies with cuts*, II. Georgian Mathematical Journal, Vol. 2, No. 3, 1995, 259-276.
85. D.Natroshvili, G.Sadunishvili, *Interaction of elastic and scalar fields*, Math. Methods in Applied Sciences, Vol. 19, No. 18, (1996), 1445–1469.
86. D.Natroshvili, L.Jentsch, *Non-classical mixed interface problems for anisotropic bodies*. DFG - Schwerpunkt. Randelementmethoden. Bericht Nr. 94-17. Mathematisches Institute A, Stuttgart Universitt, 1994. Mathematische Nachrichten, Vol.179 (1996), 161–186.
87. D.Natroshvili, G.Arsenashvili, *Transmission problems of the linear theory of elastic mixtures*, Applied Mathematics and Informatics, 1, 1, 1-23, 1996.
88. D.Natroshvili, *Boundary integral equation method in the steady state oscillation problems for anisotropic bodies* (a talk given at the Oberwolfach conference "Randelementmethoden: Anwendungen und Fehleranalysis", 02.10-08.10, 1994) Math. Methods in Applied Sciences, Vol. 20, No. 2, 95-119, 1997.
89. D.Natroshvili,L. Jentsch, W. Wendland, *General transmission problems in the theory of elastic oscillations of anisotropic bodies*, Mathematisches Institut A, Stuttgart University, Bericht Nr. 95-7, 1-42.
90. D.Natroshvili, R.Duduchava, *Mixed crack type problem of anisotropic elasticity*, Mathematische Nachrichten, **191**, 1, 83-107, 1998.
91. D.Natroshvili, R.Duduchava, E.Shargorodsky, *Pseudodifferential Equations on Manifolds with Boundary: Theory and Applications*,
(in preparation)
92. D.Natroshvili, L.Jentsch, *Thermoelastic oscillations of anisotropic bodies*. TU Chemnitz-Zwickau, Fakultät für Mathematik, Preprint 96–1,1996.
93. D.Natroshvili,*Steady-state oscillation problems in anisotropic elasticity*, (ICIAM/GAMM 95, 3-7 July, 1995, Hamburg, The Third International Congress on Industrial and Applied Mathematics , Book of Abstracts, p.189.) ZAMM, 76 (1996), S2, 125–128.

94. D.Natroshvili, L.Jentsch, I.Sigua, *Sommerfeld-Kupradze type radiation conditions in the theory of thermoelastic vibrations of anisotropic bodies*, Symposium on trends in applications of mathematics to mechanics, STAMM-96, Warsaw, 2–7 September, 1996. Book of Abstracts, Inst. of fundamental Technical Research Polish Academy of Sciences, Warsaw, 1996, p. 56.
95. D.Natroshvili, L.Jentsch, *Steady state thermoelastic oscillation problems for anisotropic bodies*. ECCOMAS 96, 3–13 September, 1996, Paris, Maison de la Chimie, Paris, 1996, 51–52.
96. D.Natroshvili, L.Jentsch, I.Sigua, *Thermoelastic oscillation problems for piecewise homogeneous anisotropic bodies*. Modern Mathematical Methods in Diffraction Theory and its Applications in Engineering, Abstracts of Sommerfeld'96–Workshop, Freudenstadt, 30 September–4 October, 1996, TH Darmstadt, Preprint 1868, p.31, 1996.
97. D.Natroshvili, L.Jentsch, *Thermoelastic oscillations of anisotropic bodies*; Modern Mathematical Methods in Diffraction Theory and its Applications in Engineering, Abstracts of Sommerfeld'96–Workshop, Freudenstadt, 30 September–4 October, 1996, TH Darmstadt, Preprint 1868, p.4, 1996.
98. D.Natroshvili, R.Duduchava, *Mixed crack type problems in anisotropic elasticity*, Modern Mathematical Methods in Diffraction Theory and its Applications in Engineering, Abstracts of Sommerfeld'96–Workshop, Freudenstadt, 30 September–4 October, 1996, TH Darmstadt, Preprint 1868, p.19–20, 1996.
99. D.Natroshvili, G.Arsenashvili, *Boundary value problems of the linear theory of two-component composites*. Conference on Analysis, Numerics and Application of Differential and Integral equations, Stuttgart, October 9–11, 1996, Abstracts, University of Stuttgart, 1996.
100. D.Natroshvili, L.Jentsch, W.L.Wendland, *General transmission problems in the theory of elastic oscillations of anisotropic bodies*, Conference on Analysis, Numerics and Application of Differential and Integral equations, Stuttgart, October 9–11, 1996, Abstracts, University of Stuttgart, 1996.
101. D.Natroshvili, *Thermoelastic oscillations of anisotropic bodies*, Sommerfeld'96–Workshop, TU Chemnitz-Zwickau, Fakultät für Mathematik, Preprint 96–13, 1996. Published in: E.Meister (Ed.), *Methoden und Verfahren der mathematischen Physik*, Band 42, Peter Lang, Frankfurt am Main, Berlin, New York, Paris, Wien, 68–87, 1997. (L. Jentsch)
102. D.Natroshvili, L.Jentsch, I.Sigua, *Mixed interface problems of thermoelastic pseudo-oscillations*. TU Chemnitz-Zwickau, Fakultät für Mathematik, Preprint 97–1, 1997.

103. D.Natroshvili, L.Jentsch, *Interaction between thermoelastic and scalar oscillation fields*, Integral Equations and Operator Theory, 28(1997), 261–288.
104. D.Natroshvili, L.Jentsch, *Interaction between thermoelastic and scalar oscillation fields*. General anisotropic case. TU Chemnitz-Zwickau, Fakultät für Mathematik, Preprint 97–5, 1997.
105. D.Natroshvili, L.Jentsch, W.L.Wendland, *Basic and mixed interface problems in the theory of elastic oscillations of anisotropic bodies*. In: M.Bach, C.Constanda, G.C.Hsiao, A.-M.Sändig, P.Werner (Eds.) Analysis, Numerics and Application of Differential and Integral equations, (Proceedings of the conference held in Stuttgart, October 9–11, 1996), Longman, Dorset, 116-121, 1998.
106. D.Natroshvili, L.Jentsch, *Mathematical problems of the thermoelasticity theory of anisotropic bodies*. In: Thermal Stresses'97, Proceedings of the Second International Symposium on Thermal Stresses and Related Topics (held in Rochester Institute of Technology, USA, June 8–11,1997), Rochester Institute of Technology, Rochester, 513-516, 1997.
107. D.Natroshvili, *Mathematical problems of thermoelastic vibrations*. Abstracts, The International ISAAC'97 Congress, USA, University of Delaware, Newark, June 3–7, 1997.
108. D.Natroshvili, *Boundary integral equations method in the theory of thermoelastic vibrations*. Abstracts, Conference on Boundary Integral Methods: Theory and Applications, UK, University of Salford, Manchester, September 15–18, 1997.
109. D.Natroshvili, I.Sigua, *The mixed boundary value problem of the thermoelastic pseudo-oscillations*, Bulletin of the Georgian Academy of Sciences, 155, 1, 31-36, 1997.
110. D.Natroshvili, L.Jentsch, *Non-local approach in mathematical problems of fluid-structure interaction*, (TU Chemnitz, Fakultät für Mathematik, Preprint 98-1, 1998) Mathematical Methods in the Applied Sciences, 22, 13-42, 1999.
111. D.Natroshvili, L.Jentsch, *Three-dimensional mathematical problems of thermoelasticity of anisotropic bodies*, TU Chemnitz, Fakultät für Mathematik, Preprint 98-3, 1998.
112. D.Natroshvili, Sh.Zazashvili, *The interface crack problems for anisotropic bodies*, TU Chemnitz, Fakultät für Mathematik, Preprint 98-4, 1998. (Proceedings of I.Vekua Institute of Applied Mathematics v. 49, 1999, 54-75.

113. D.Natroshvili, L.Jentsch, W.Wendland, *General transmission problems in the theory of elastic oscillations of anisotropic bodies (Basic interface problems)*, I, Journal of Mathematical Analysis and Applications, 220, 397-433, 1998.
114. D.Natroshvili, L.Jentsch, W.Wendland, *General transmission problems in the theory of elastic oscillations of anisotropic bodies (Mixed interface problems)*, II, Journal of Mathematical Analysis and Applications, 235, 418-434, 1999.
115. D.Natroshvili, *Interface crack problem for a piecewise homogeneous anisotropic plane*, 5-th International Conference on Integral Methods in Science and Engineering (IMSE'98), August 10-13, 1998, Michigan Tech., Houghton, USA, Abstracts of IMSE'98, p. 98. [Also: International Conference on Multi-field Problems, October 6-8, 1999, University of Stuttgart, Germany. Book of abstracts, Bericht 99/12, p. 93
116. D.Natroshvili, Sh.Zazashvili, *Interface crack problem for a piecewise homogeneous anisotropic plane*. In: B.Bertram, C.Constanda and A.Struthers (eds.), *Integral Methods in Science and engineering*. Chapman & Hall/CRC, London, 2000. 252-257.
117. D.Natroshvili, *Interaction between vector and scalar fields in anisotropic medium*, 5-th International Conference on Integral Methods in Science and Engineering (IMSE'98), August 10-13, 1998, Michigan Tech., Houghton, USA, Abstracts of IMSE'98, p. 57.
118. D.Natroshvili, *Direct and inverse problems of fluid-structure interaction*, International Congress of Mathematicians (ICM 1998), August 18-27, 1998, Berlin, Abstracts of Short Communications and Poster Sessions, pp. 241-242.
119. D.Natroshvili, A.-M.Sändig and W.L.Wendland, *Fluid-structure interaction problems*, In: M.Bonet, A.-M.Sändig and W.L.Wendland (Eds.), *Mathematical aspects of boundary element methods*, Chapman & Hall/CRC, Research Notes in Mathematics, 252-262, 1999. (IABEM98 conference in Palaiseau, Ecole Polytechnique, Paris, 25-29 May, 1998. Minisymposium: Mathematical Aspects of Boundary Element Methods, dedicated to Vladimir Maz'ya on the occasion of his 60th birthday).
120. D.Natroshvili, *Uniqueness theorems for inverse fluid-solid interaction problems*, Abstracts p. 34, 11.TMP, International Conference on Recent Advances in Analytical and Numerical Treatment of Operator Equations (in memory of Prof S.Prössdorf), March 25-28, 1999, Chemnitz, Germany.
121. D.Natroshvili, L.Jentsch, *Three-dimensional mathematical problems of thermoelasticity of anisotropic bodies*. Part I, *Memoirs on Differential Equations and Mathematical Physics*, v. 17, 1999, 7-126.

122. D.Natroshvili, L.Jentsch, *Three-dimensional mathematical problems of thermoelasticity of anisotropic bodies*, Part II, *Memoirs on Differential Equations and Mathematical Physics*, v. 18, 1999, 1-50.
123. D.Natroshvili, S.Kharibegashvili, Z.Tediashvili, *Direct and inverse fluid-structure interaction problems*, *Rendiconti di Matematica, Serie VII*, vol. 20, Roma, 2000, 57-92.
124. D.Natroshvili, Z.Tediashvili, *Mixed type direct and inverse scattering problems*, *Operator Theory: Advances and Applications*, Vol. 121, 2001, 366-389. (Dedicated to the memory of Professor S. Prössdorf)
125. D.Natroshvili, A.Gachechiladze, *Boundary variational inequality approach in the elasticity for the Signorini problem*, *Georgian Mathematical Journal*, Vol. 8, No. 3 (2001), 469–492.
126. D.Natroshvili, G.Karseladze, *Uniqueness results for fluid-solid interaction problems* *Bulletin of the Georgian Academy of Sciences*, v. 164, 3(2001), 454–457.
127. D.Natroshvili, W.L.Wendland, *Boundary variational inequalities in the theory of interface crack problems*, Stuttgart University, SFB 404, Preprint No. 2002/12, 2002.
128. D.Natroshvili, T.Arens, S.N. Chandler-Wilde, *Uniqueness, existence, and integral equation formulation for interface scattering problems*, *Memoirs on Differential Equations and Mathematical Physics*, Vol. 30 (2003), 105-146
129. D.Natroshvili, S.N.Chandler-Wilde *The Dirichlet metaharmonic Green's function for unbounded regions*, *Memoirs on Differential Equations and Mathematical Physics*, Vol. 30 (2003), 51-103.
130. D.Natroshvili, G.Jaiani, S.Kharibegashvili, W.L.Wendland, *Hierarchical models for cusped plates*, Stuttgart University, SFB 404, Preprint No. 2002/13, 2002.
131. D.Natroshvili, *Interface scattering problems*, *International Congress of Mathematicians*, Beijing 2002, August 20–28, Abstracts of Short Communications and Poster Sessions, Higher Educational Press, Beijing, 2002, p. 227
132. D.Natroshvili, G.Devdariani, G.Jaiani, S.Kharibegashvili, *The Dirichlet's boundary value problem for the system of cusped prismatic shells*, *Applied Mathematics and Informatics*, **5**, No.2 (2000), 26-46
133. D.Natroshvili, L.Giorgashvili, I.Stratis, *Mathematical problems of the theory of elasticity of chiral materials*, *Applied Mathematics, Informatics, and Mechanics*, **8**, No.1 (2003), 47-103.

134. D.Natroshevili, *Crack problems and boundary variational inequalities*, In:C.Constanda, etc. (eds), Integral Methods in Science and Engineering, Birkhäuser-Verlag, Boston, Basel, Berlin, 2004, 168-174. (Proceedings of the International Conference IMSE 2002, Saint–Etienne (France), August 7-10, 2002).
135. D.Natroshevili, G.Jaiani, S.Kharibegashvili, W.L.Wendland, *Hierarchical models for cusped plates and bars*, Lecture Notes of TICMI (Tbilisi University Press, Tbilisi), Vol. 4, 2003.
136. D.Natroshevili, I.Stratis, *Mathematical problems of the theory of elasticity of chiral materials for Lipschitz domains*, Mathematical Methods in the Applied Sciences, **29**, Issue 4 (2006), 445-478.
137. D.Natroshevili, O.Chkadua, S.Mikhailov, *Analysis of direct boundary-domain integral equations for a mixed BVP with variable coefficient, I: Equivalence and Invertibility*, Journal of Integral Equations and Applications, **21**, No. 4, Winter (2009), 499-543.
138. D.Natroshevili, O.Chkadua, S.Mikhailov, *Analysis of direct boundary-domain integral equations for a mixed BVP with variable coefficient, II: Solution regularity and asymptotics*, Journal of Integral Equations and Applications, **22**, No. 1, Spring (2010), 19-37.
139. D.Natroshevili, W.L.Wendland, *Boundary variational inequalities in the theory of interface crack problems*. In: Operator Theory: Advances and Applications, Vol. 147, Operator Theoretical Methods and Applications to Mathematical Physics (Erhard Meister Memorial Volume), Birkhäuser Verlag, Basel-Boston-Berlin, 2004, 387-402.
140. D.Natroshevili, *Mathematical problems of the theory of elasticity of chiral materials*, Third International Conference on Boundary Integral Methods: Theory and Applications, University of Reading, UK, 2004, 14-18 September, Abstracts, p.17.
141. D.Natroshevili, T.Buchukuri, O.Chkadua, A.-M. Sändig, *Solvability and regularity results to boundary-transmission problems for metallic and piezoelectric elastic materials*. Stuttgart University, Institut für Angewandte Analysis und Numerische Simulation, Preprint No. 004, 2005, pp.1-56.
Math. Nachr., **282**, No. 8 (2009), 1079-1110.
142. D.Natroshevili, G.Jaiani, S.Kharibegashvili, W.L.Wendland, *Two-dimensional hierarchical models for prismatic shells with thickness vanishing at the boundary*, Journal of Elasticity, **77**, No. 2 (2004), 95-122.
<https://doi.org/10.1007/s10659-005-5069-5>

143. D.Natroshvili, G.Sadunishvili, I.Sigua, *Some remarks concerning Jones eigenfrequencies and Jones modes*, Georgian Mathematical Journal, **12**, No. 2 (2005), 337-348.
144. D.Natroshvili, G.Sadunishvili, I.Sigua, Z.Tediashvili, *Fluid-solid interaction: acoustic scattering by an elastic obstacle with Lipschitz boundary*, Memoirs on Differential Equations and Mathematical Physics, **35** (2005), 91-127.
145. D.Natroshvili, L.Giorgashvili, Sh.Zazashvili, *Steady state oscillation problems in the theory of elasticity for chiral materials*, Journal of Integral Equations and Applications, **17**, No. 1, Spring (2005), 19-69.
146. D.Natroshvili, *Boundary integral equations method in the elasticity theory of hemitropic materials*, International Conference on Operator Theory, Function Spaces and Applications, Aveiro (Portugal), 7-9 July, 2005, Book of Abstracts, University of Aveiro, 2005, p. 21.
147. D.Natroshvili, L.Giorgashvili, I.Stratis, *Representation formulae of general solutions in the theory of hemitropic elasticity*, Quarterly Journal of Mechanics and Applied Mathematics, Vol. 59, Part 4 (2006), 451-474.
148. D.Natroshvili, L.Castro, I.Stratis, *Wave scattering by an elastic obstacle with interior cuts*, Math. Nachr., **280**, No.9-10 (2007), 996-1013.
149. D.Natroshvili, L.Castro, *The potential method for the reactance wave diffraction problem in a scale of spaces*, Georgian Mathematical Journal, **13**, No. 2 (2006), 251-260.
150. D.Natroshvili, L.Castro, *The reactance wave diffraction problem by a strip in a scale of Bessel potential spaces*, Opuscula Mathematica, **26**, No. 2 (2006), 289-303.
151. D.Natroshvili, R.Gachechiladze, I.Gwinner, *A boundary variational inequality approach to unilateral contact with hemitropic materials*, Memoirs on Differential Equations and Mathematical Physics, **39** (2006), 69-103.
152. D.Natroshvili, Sh.Zazashvili, *Mixed type boundary value problems in the linear theory of elastic mixtures for bodies with interior cuts*, Memoirs on Differential Equations and Mathematical Physics, Vol. 42, 2007, 69-91.
153. D.Natroshvili, T.Buchukuri, O.Chkadua, *Mathematical modelling and analysis of interaction problems for metallic-piezoelectric structures with regard to thermal stresses*, Second International Workshop: Direct and Inverse Problems in Piezoelectricity, Hirschegg (Kleinwalsertal), Austria, July 16-19, 2006. W. Geis, A.-M. Sändig (eds.), Book of abstracts, Stuttgart University, 2006, p. 14. (See also: University of Stuttgart, IANS, Preprint 2006/008, pp. 1-64)

154. D.Natroshvili, T.Buchukuri, O.Chkadua, *Three-dimensional finite element modelling of a piezoelectric actuator with regard to thermal effects*, Second International Workshop: Direct and Inverse Problems in Piezoelectricity, Hirschegg (Kleinwalsertal), Austria, July 16-19, 2006. W. Geis, A.-M. Sändig (eds.), Book of abstracts, Stuttgart University, p. 4.
155. D.Natroshvili, T.Buchukuri, O.Chkadua, *The solvability and asymptotics of solutions of crack-type boundary value problems of thermopiezoelectricity*, Second International Workshop: Direct and Inverse Problems in Piezoelectricity, Hirschegg (Kleinwalsertal), Austria, July 16-19, 2006. W. Geis, A.-M. Sändig (eds.), Book of abstracts, Stuttgart University, p. 5.
156. D.Natroshvili, *Transmission problems related to the interaction of metallic and piezoelectric materials*. International Congress of Mathematicians (ICM 2006), Madrid, Spain, 22 August - 30 August, 2006. Book of Abstracts: Posters, Short Communications, Mathematical Software, Other Activities. European Mathematical Society, 2006, p. 423.
157. D.Natroshvili, T.Buchukuri, O.Chkadua, *Mathematical modelling and analysis of interaction problems for piezoelectric composites*. Rendiconti Accademia Nazionale delle Scienze detta dei XL, Memorie di Matematica e Applicazioni 124° (2006), Vol. XXX, fasc. 1, 159-190.
158. D.Natroshvili, *Mathematical problems for piezoelectric-metallic composites: Existence and regularity results*. Book of Abstracts of ICIAM 2007 (the 6th INTERNATIONAL CONGRESS ON INDUSTRIAL AND APPLIED MATHEMATICS, 16-20 July, 2007, Zurich, Switzerland), University of Zurich and ETH Zurich, 2007, p. 499.
159. D.Natroshvili, T.Buchukuri, O.Chkadua, *Mathematical problems for piezoelectric-metallic composites: Existence and stress singularity analysis*. Proceedings of WAVES 2007 (the 8th International Conference on Mathematical and Numerical Aspects of waves, 23-27 July, 2007, Reading, UK), University of Reading, 2007, 324-326.
160. D.Natroshvili, T. Buchukuri, O.Chkadua, *Application of pseudodifferential equations in the theory of piezoelectric-metallic composites*. The 6th INTERNATIONAL ISAAC CONGRESS, 13-18 August, 2007, Middle East Technical University, Ankara, Turkey. Book of Abstracts, METU, Ankara, 2007, p. 90.
161. D.Natroshvili, L.Giorgashili, S.Zazashvili, *General representation of solutions to the system of differential equations of hemitropic elasticity and its applications*. The 6th INTERNATIONAL ISAAC CONGRESS, 13-18 August, 2007, Middle East Technical University, Ankara, Turkey,. Book of Abstracts, METU, Ankara, 2007, pp. 90-91.

162. D.Natroshvili, T.Buchukuri, O.Chkadua, *Mathematical problems for piezoelectric-metallic composites*, Fourth International Conference of Applied Mathematics and Computing, August 12-18, 2007, Plovdiv, Bulgaria, Book of Abstracts, Volume 4, p.423.
163. D.Natroshvili, O.Chkadua, S.Mikhailov, *About analysis of some localized boundary-domain integral equations for variable-coefficient BVPs*. Advances in Boundary Integral Methods, Proceedings of the Sixth UK Conference on Boundary Integral Methods, Edited by J.Trevelyan, Durham University Publ., UK, ISBN 978-0-9535558-3-3, 2007, 291-302.
164. D.Natroshvili, A.Gachechiladze, R.Gachechiladze, I.Stratis, *Transmission problems in the theory of elastic hemitropic materials*, Applicable Analysis, **86**, 12 (2007), 1463-1508
165. D.Natroshvili, N.Chinchaladze, R.Gilbert, G.Jaiani, S.Kharibegashvili, *Existence and Uniqueness Theorems for Cusped Prismatic Shells in the N-th Hierarchical Model*. Mathematical Methods in the Applied Sciences, **31**, No. 11 (2008), 1345-1367.
166. D.Natroshvili, T.Buchukuri, O.Chkadua, A.-M.Sändig, *Interaction problems of metallic and piezoelectric elastic materials with regard to thermal stresses*. Memoirs on Differential Equations and Mathematical Physics, Vol. 45, 2008, 7-74.
167. D.Natroshvili, T.Buchukuri, O.Chkadua, *Mixed boundary value problems of thermopiezoelectricity for solids with interior cracks*, Integral Equations and Operator Theory, **64**, 4 (2009), 495-537.
168. D.Natroshvili, I.Stratis, S.Zazashvili, *Boundary integral equation methods in the theory of elasticity of hemitropic materials : a brief review*. Journal of Computational and Applied Mathematics (JCAM), **234** (2010), 1622-1630.
169. D.Natroshvili, O.Chkadua, S.Mikhailov, *Analysis of some localized boundary-domain integral equations*, Journal of Integral Equations and Applications, **21**, No. 3 (2009), 407-447.
170. D.Natroshvili, L. Giorgashvili, *Representation formulas of general solutions to the static equations of the hemitropic elasticity theory*, Memoirs on Differential Equations and Mathematical Physics, **46** (2009), 129-146.
171. D.Natroshvili, R.Gachechiladze, I.Stratis, *Transmission and crack problems in the theory of elastic hemitropic materials*, 79-th Annual Meeting of the International Association of Applied Mathematics and Mechanics, 31 March-4 April, 2008, Bremen, Germany (Book of Abstracts, web-page: www.zarm.uni-bremen.de/gamm2008).

172. D.Natroshvili, *Stress singularity analysis in mathematical problems for piezoelectric-metallic composites*, International Workshop: Analysis, Partial Differential Equations and Applications, On the occasion of the 70th birthday of Vladimir Maz'ya, Rome, Italy, June 30- July 3, 2008. Book of Abstracts, Instituto Nazionale di Alta Matematica Francesco Severi, University of Rome, 2008, p. 39.
173. D.Natroshvili, O.Chkadua, *Stress singularity analysis for piezoelectric-metallic composite structures*, The 10th International Conference on Integral Methods in Science and Engineering, IMSE2008, Santander, Spain, 7-10 July, 2008. Book of Abstracts, Universidad de Cantabria, 2008, p. 149.
174. D.Natroshvili, I.Stratis, S.Zazashvili, *Interface crack problems for metallic-piezoelectric composite structures*, Mathematical Methods in the Applied Sciences, **33**, 4 (2010), 539-562.
175. D.Natroshvili, T.Buchukuri, O.Chkadua, R.Duduchava, *Interface cracks problems in composites with piezoelectric and thermal effects*, Proceedings of the 2009 ASME International Mechanical Engineering Congress & Exposition, Vol. 10 , PTS A and B, 2010, 821-830.
176. D.Natroshvili, A.Gachechiladze, R.Gachechiladze, *Unilateral contact problems with friction for hemitropic elastic solids*, Georgian Mathematical Journal, **16**, No. 4 (2009), 629-650.
177. D.Natroshvili, C.E.Athanasiadis, V.Sevroglou, I.G.Stratis, *A boundary integral equations approach for mixed impedance problems in elasticity*, Journal of Integral Equations and Applications, **23**, 2 (2011), 183-222.
178. D.Natroshvili, *Mixed interface crack problems for composed solid structures*, The International Conference on Modern Problems in Applied Mathematics (dedicated to the 90-th anniversary of Iv. Javakhishvili Tbilisi State University and 40-th anniversary of I. Vekua Institute of Applied Mathematics of TSU), Book of Abstracts, Tbilisi, University Press, 2008, p. 72.
179. D.Natroshvili, O.Chkadua, T.Buchukuri, *Mixed boundary value problems of piezoelectricity for solids with cracks*. The International Conference on Modern Problems in Applied Mathematics (dedicated to the 90-th anniversary of Iv. Javakhishvili Tbilisi State University and 40-th anniversary of I. Vekua Institute of Applied Mathematics of TSU), Book of Abstracts, Tbilisi, University Press, 2008, p. 71.
180. D.Natroshvili, N.Chinchaladze, R.P.Gilbert, G.Jaiani, S.Kharibegashvili, *Cusped Elastic Beams under the Action of Stresses and Concentrated Forces*, Applicable Analysis, **89**, 5 (2010), 757-774.

181. D.Natroshvili, Z.Tediashvili, *Crack Problems for Composite Structures*, Operator Theory: Advances and Applications, Vol. 193, 2009, 227-243. (The volume Dedicated to Professor V.G. Maz'ya on the occasion of his 70th birthday).
182. D.Natroshvili, L.Giorgashvili, S.Zazashvili, *Mathematical problems of thermoelasticity for hemitropic solids*, Memoirs on Differential Equations and Mathematical Physics, **48**(2009), 97-174.
183. D.Natroshvili, A.Gachechiladze, R.Gachechiladze, J.Gwinner, *Contact problems with friction for hemitropic solids: boundary variational inequality approach*, Applicable Analysis, **90**, No. 2 (2011), 279-303.
184. D.Natroshvili, N.Chinchaladze, R.P.Gilbert, G.Jaiani, S.Kharibegashvili, *Initial Boundary Value Problems for Solid-Fluid Composite Structures*, Z. Angew. Math. Phys., **63**(2012), No. 4, 625–653.
<https://doi.org/10.1007/s00033-011-0181-9>
185. D.Natroshvili, A.Gachechiladze, R.Gachechiladze, *The Unilateral Contact of Two Elastic Hemitropic Media*, Memoirs on Differential Equations and Mathematical Physics, **48** (2009), 75-96.
186. D.Natroshvili, O.Chkadua, S.Mikhailov, *Analysis of some boundary-domain integral equations for variable-coefficient problems with cracks*, In: H.Power, A.La Rocca, and S.J.Baxter, eds., Advances in Boundary Integral Methods - Proceedings of the 7th UK Conference on Boundary Integral Methods. Nottingham University Publ., ISBN 978-0-95 63221-0-4, UK, 2009, 37-51.
187. D.Natroshvili, O.Chkadua, S.Mikhailov, *Localized boundary-domain integral equations formulation for crack type problems*, Conference on the Mathematics of Finite Elements and Applications, MAFELAP-2009, 9-12 June, 2009, Brunel University, West London, UK, Book of abstracts, Brunel Institute of Computational Mathematics, Department of Mathematical Sciences, 2009, p.66.
188. D.Natroshvili, O.Chkadua, S.Mikhailov, *Analysis of segregated boundary-domain integral equations for variable-coefficient problems with cracks*, Numerical Methods for Partial Differential Equations, **27**, 1 (2011), 121-140.
189. D.Natroshvili, *Application of pseudodifferential equations in stress singularity analysis for thermo-electro-magneto-elasticity problems: a new approach for calculation of stress singularity exponents*. The 7th INTERNATIONAL ISAAC CONGRESS, 13-18 August, 2009, Imperial College London. Volume of Abstracts, Imperial College London, 2009, p. 67.

190. D.Natroshvili, T.Buchukuri, R.Duduchava, D.Kapanadze, *On the uniqueness of a solution to an anisotropic Maxwell system*, Topics in Operator Theory, Volume 2: Systems and Mathematical Physics, J.A.Ball, V.Bolotnikov, J.W.Helton, L.Rodman, I.M. Spitkovsky (eds.), Birkhäuser Verlag, Basel/Switzerland. Operator Theory: Advances and Applications. **203** (2009), 137-164.
(DOI: 10.1007/978-3-0346-0161-0-6) (IWOTA 2008 Proceedings: The volume Dedicated to Professor I.Gohberg on the occasion of his 80th birthday).
191. D.Natroshvili, O.Chkadua, S.Mikhailov, *Localized boundary-domain integral equations formulation for mixed type problems*, Georgian Math. J. Vol.17, No3, (2010), 469-494.
192. D.Natroshvili, M.Mrevlishvili, Z.Tediashvili, *Uniqueness theorems for thermo-electro-magneto-elasticity problems*, Bulletin of the Greek Mathematical Society, **57** (2010), 281-295.
193. D.Natroshvili, A.Gachechiladze, R.Gachechiladze, and J.Gwinner, *A boundary variational inequality approach to unilateral contact problems with friction for hemitropic solids*, Mathematical Methods in the Applied Science, **33**, Issue 18 (2010), 2145–2161. (DOI: 10.1002/mma.1388)
194. C.E.Athanasiadis, D.Natroshvili, V.Sevrogrou, I.G.Stratis, *An application of the reciprocity gap functional to inverse mixed impedance problems in elasticity*, Inverse Problems, **26**, 8 (2010)
(2010 Inverse Problems 26 085011 doi: 10.1088/0266-5611/26/8/085011).
195. D.Natroshvili, O.Chkadua, S.Mikhailov, *Localized segregated boundary-domain integral equations formulation for transmission problems*, Eleventh International Conference on Integral Methods in Science and Engineering, University of Brighton, UK, 12-14 July, 2010, Book of Abstracts, School of Computing, Mathematics and Information Sciences, University of Brighton, 2010, p. 26.
196. O.Chkadua, D.Natroshvili, S.Mikhailov, *Localized segregated boundary-domain integral equations for mixed type boundary value problems*, Eleventh International Conference on Integral Methods in Science and Engineering, University of Brighton, UK, 12-14 July, 2010, Book of Abstracts, School of Computing, Mathematics and Information Sciences, University of Brighton, 2010, p. 28.
197. S.Mikhailov, O.Chkadua, D.Natroshvili, *Analysis of segregated boundary-domain integral equations for variable coefficient BVPs in exterior domains*, Eleventh International Conference on Integral Methods in Science and Engineering, University of Brighton, UK, 12-14 July, 2010, Book of Abstracts, School of Computing, Mathematics and Information Sciences, University of Brighton, 2010, p. 30.

198. D. Natroshvili, *Localized potential method for general scalar elliptic equations with constant coefficients*, First International Conference of Georgian Mathematical Union, Batumi, Georgia, September 12-19, 2010, Book of Abstracts, Georgian Mathematical Union, Tbilisi, 2010, p. 39.
199. O.Chkadua, S.Mikhailov, D.Natroshvili, *Localized boundary-domain integral equation approach for second order partial differential equations with variable coefficients*, First International Conference of Georgian Mathematical Union, Batumi, Georgia, September 12-19, 2010, Book of Abstracts, Georgian Mathematical Union, Tbilisi, 2010, p. 35-36.
200. A.Gachechiladze, R.Gachechiladze, D. Natroshvili, *Boundary contact problems with friction of dynamics for hemitropic elastic solids*, First International Conference of Georgian Mathematical Union, Batumi, Georgia, September 12-19, 2010, Book of Abstracts, Georgian Mathematical Union, Tbilisi, 2010, p. 37-38.
201. O.Chkadua, S.Mikhailov, D.Natroshvili, *Analysis of segregated boundary-domain integral equations for mixed variable-coefficient BVPs in exterior domains*, Proceedings of the Eleventh International Conference on Integral Methods in Science and Engineering, IMSE2010, University of Brighton, UK, 12-14 July, 2010. Boston, ISBN 978-0-8176-8237-8, 2011, 109-128.
202. O.Chkadua, S.Mikhailov, D.Natroshvili, *Analysis of Some Localized Boundary-Domain Integral Equations for Transmission Problems with Variable Coefficients*, Proceedings of the Eleventh International Conference on Integral Methods in Science and Engineering, IMSE2010, University of Brighton, UK, 12-14 July, 2010, In: Integral Methods in Science and Engineering: Computational and Analytic Aspects. (eds. C. Constanda, P. Harris), Springer (Birkhäuser), Boston, ISBN 978-0-8176-8237-8, 2011, 91-108.
203. O.Chkadua, S.Mikhailov, D.Natroshvili, *Localized boundary-domain integral equations method for an interface crack problem*, Proceedings of the 8-th UK Conference on Boundary Domain Integral Method (July 4-5, 2011, University of Leeds, UK), Ed.: D.Lesnic, Leeds University Press, Leeds, UK, ISBN 978 0 85316 2957, 2011, 49-56.
204. O.Chkadua, S.Mikhailov, D.Natroshvili, *Localized boundary-domain integral equations for Dirichlet problem for second order elliptic equations with matrix variable coefficient*, Proceedings of the 8-th UK Conference on Boundary Domain Integral Method (July 4-5, 2011, University of Leeds, UK), Ed.: D.Lesnic, Leeds University Press, Leeds, UK, ISBN 978 0 85316 2957, 2011, 119-126.
205. O.Chkadua, S.Mikhailov, D.Natroshvili, *Localized direct segregated boundary-domain integral equations for variable coefficient transmission problems with interface crack*,

Memoirs on Differential Equations and Mathematical Physics, **52** (2011), 17-64.
(The volume dedicated to the 120-th birthday anniversary of academician
N.I.Muskhelishvili).

206. D.Natroshvili, *Localized harmonic parametrix method for scalar elliptic equations with variable coefficient*, Book of Abstracts of an International Conference in Honor of Professor Stefan Samko: Integral and Differential Operators and Their Applications (June 30-July 2, 2011, Aveiro, Portugal), Aveiro University Press, Aveiro, 2011, p.19.
207. T. Buchukuri, O. Chkadua, D. Natroshvili, *Mixed Boundary-Value Problems of Piezoelectricity in Domains with Cracks*, Book of Abstracts of the International Conference "Continuum Mechanics and Related Problems of Analysis" dedicated to the 120-th birthday anniversary of academician N. Muskhelishvili, September 9-14, 2011, Tbilisi, Georgia, 2011, p. 95.
208. T. Buchukuri, R. Duduchava, D. Kapanadze, D. Natroshvili, *On the Radiation Condition for Anisotropic Maxwell's Equations*, Book of Abstracts of the International Conference "Continuum Mechanics and Related Problems of Analysis" dedicated to the 120-th birthday anniversary of academician N. Muskhelishvili, September 9-14, 2011, Tbilisi, Georgia, 2011, p. 96.
209. O. Chkadua, S. Mikhailov, D. Natroshvili, *Segregated Direct Boundary-Domain Integral Equations for Variable-Coefficient BVPs in Exterior Domains*, Book of Abstracts of the International Conference "Continuum Mechanics and Related Problems of Analysis" dedicated to the 120-th birthday anniversary of academician N. Muskhelishvili, September 9-14, 2011, Tbilisi, Georgia, 2011, p. 97.
210. L. Giorgashvili, D. Natroshvili, Sh. Zazashvili, *Transmission and Interface Crack Problems of Thermoelasticity for Hemitropic Solids*, Book of Abstracts of the International Conference "Continuum Mechanics and Related Problems of Analysis" dedicated to the 120-th birthday anniversary of academician N. Muskhelishvili, September 9-14, 2011, Tbilisi, Georgia, 2011, p. 99.
211. O. Chkadua, S. Mikhailov, D. Natroshvili, *Localized Boundary-Domain Integral Equations for Acoustic Scattering by Inhomogeneous Anisotropic Obstacle*, Book of Abstracts of the Second International Conference of Georgian Mathematical Union, Batumi, Georgia, 15-19 September, 2011, Tbilisi, 2011, p. 101.
212. O. Chkadua, S. Mikhailov, D. Natroshvili, *Localized Boundary Domain Integral Equations Approach to the Boundary-Value Problems for Inhomogeneous Elastic Solids*, Book of Abstracts of the Second International Conference of Georgian Mathematical Union, Batumi, Georgia, 15-19 September, 2011, Tbilisi, 2011, p. 92.

213. A. Gachechiladze, R. Gachechiladze and D. Natroshvili, *Boundary contact problems with friction of dynamics for hemitropic elastic solids*, Proc. A. Razmadze Math. Inst., **155**, 113-116, 2011.
214. D.Natroshvili and M.Mrevlishvili, *Investigation of interior and exterior Neumann-type static boundary-value problems of thermo-electro-magneto elasticity theory*, Memoirs on Differential Equations and Mathematical Physics, **53** (2011), 99-126. (The volume dedicated to the 120-th birthday anniversary of academician N.I.Muskhelishvili).
215. O. Chkadua, S. Mikhailov, D. Natroshvili, *Analysis of direct segregated boundary-domain integral equations for variable-coefficient mixed BVPs in exterior domains*, Analysis and Applications, **11**, 4 (2013), 1–33. DOI: 10.1142/S0219530513500061
216. D. Natroshvili, *Mathematical Problems of Thermo-Electro-Magneto-Elasticity*, Lecture Notes of TICMI, **12**, Tbilisi University Press, Tbilisi, 2011.
217. T. Buchukuri, O. Chkadua, R. Duduchava, D. Natroshvili, *Interface crack problems for metallic-piezoelectric composite structures*, Memoirs on Differential Equations and Mathematical Physics, **55** (2012), 1-150.
218. D.Natroshvili, *Boundary value problems of elastostatics of hemitropic solids*, In: Encyclopedia of Thermal Stresses (R. B. Hetnarski, ed.), Volume 1, pp. 458-468, Springer, Dordrecht, Heidelberg, New York, London, 2014; DOI 10.1007/978-94-007-2739-7.
219. D.Natroshvili, *Mathematical problems in thermoelastostatics of hemitropic solids*, In: Encyclopedia of Thermal Stresses (R. B. Hetnarski, ed.), Volume 6, pp. 2907-2918, Springer, Dordrecht, Heidelberg, New York, London, 2014; DOI 10.1007/978-94-007-2739-7.
220. D.Natroshvili, *Thermo-radiating conditions: Somigliana type integral representations*, In: Encyclopedia of Thermal Stresses (R. B. Hetnarski, ed.), Volume 11, pp. 6076-6084, Springer, Dordrecht, Heidelberg, New York, London, 2014; DOI 10.1007/978-94-007-2739-7.
221. D. Natroshvili, L. Giorgashvili, Sh. Zazashvili, *Transmission and Interface Crack Problems of Thermoelasticity for Hemitropic Solids*, Memoirs on Differential Equations and Mathematical Physics, **58** (2013), 25–64.
222. A.Gachechiladze, R.Gachechiladze, D. Natroshvili, *Frictionless Contact Problems for Elastic Hemitropic Solids: Boundary Variational Inequality Approach*, Rend. Lincei Mat. Appl. **23** (2012), 267-293. (Dedicated to Professor Gaetano Fichera on the occasion of 90th anniversary of his birthday).

223. O. Chkadua, S. Mikhailov, D. Natroshvili, *Localized boundary-domain integral equations approach for Dirichlet problem for second order strongly elliptic systems with variable coefficients*, Proceedings of A.Razmadze Mathematical Institute, **160** (2012), 11-23.
224. S. Kharibegashvili and D. Natroshvili, *Investigation of hyperbolic systems with order degeneration arising in I. Vekua's hierarchical models*, Applicable Analysis, Vol. 92, No. 12 (2013), 2508-2525. (ID: 746961 DOI:10.1080/00036811.2012.746961)
225. O. Chkadua, S. Mikhailov, D. Natroshvili, *Localized Boundary-Domain Singular Integral Equations Based on Harmonic Parametrix for Divergence-Form Elliptic PDEs with Variable Matrix Coefficients*, Integral Equations and Operator Theory, **76** (2013), 509–547. (DOI 10.1007/s00020-013-2054-4)
226. D.Natroshvili and M.Ivanidze, *Investigation of the interior Neumann type boundary value problem of thermoelastostatics for anisotropic bodies*, Applied Mathematics, Informatics and Mechanics, **18**, No.1 (2013), 23-46.
227. D.Natroshvili and D.Ivanidze, *Neumann type interior boundary value problem of thermoelastostatics for hemitropic solids*. Reports – Seminar of I. Vekua Institute of Applied Mathematics, **39** (2013), 38–57.
228. A.Gachechiladze, R.Gachechiladze, D. Natroshvili, *Dynamical contact problems with friction for hemitropic elastic solids*, Georgian Math. J. **21**, No. 2 (2014), 165-185. DOI 10.1515/gmj-2014-0024
229. O. Chkadua, S. Mikhailov, D. Natroshvili, *Localized boundary-domain integral equations approach for Robin type problem for second order strongly elliptic systems with variable coefficients*, Proceedings of A.Razmadze Mathematical Institute, Vol. 162 (2013), 45-58.
230. O. Chkadua, D. Natroshvili, *Localized boundary-domain integral equations approach for Dirichlet problem of the theory of piezo-elasticity for inhomogeneous solids*, Memoirs on Differential Equations and Mathematical Physics, **60** (2013), 73–109.
231. D. Natroshvili, *Mixed Impedance Transmission Problems for Vibrating Layered Elastic Bodies*, The 13th International Conference on Integral Methods in Science and Engineering, IMSE 2014, 21-25 July, 2014, Karlsruhe Institute of Technology, Karlsruhe, Book of Abstracts, pp. 48-49.
232. D. Natroshvili, *Regularity of solutions to mixed interface crack problems*, Abstracts of the International Congress of Mathematicians, August 13-21, 2014, Seoul, Korea, p.346.

233. D. Natroshvili, *Acoustic scattering by inhomogeneous anisotropic obstacle: Boundary-domain integral equation approach*. The 12-th International Conference on Mathematical and Numerical Aspects of Wave Propagation, 20-24 July, 2015, Karlsruhe Institute of Technology, Germany, Book of Abstracts, KIT, 2015, 337-338.
234. G. Chkadua, D. Natroshvili, *Interaction of Acoustic Waves and Piezoelectric Structures*, Mathematical Methods in the Applied Sciences, Math. Meth. Appl. Sci. **38** (2015), 2149–2170. DOI: 10.1002/mma.3210, 2014.
235. C.E. Athanasiadis, D. Natroshvili, V. Sevroglou, I.G. Stratis, *Mixed Impedance Transmission Problems for Vibrating Layered Elastic Bodies*, Mathematical Methods in the Applied Sciences **38** (2015), 3264–3294. DOI: 10.1002/mma.3295
236. G. Manelidze, D. Natroshvili, *Direct boundary integral equations method for acoustic problems in unbounded domains*, Bulletin of TICMI, **19**, No. 1 (2015), 3–25.
237. G. Manelidze, D. Natroshvili, *Method of fundamental solutions for transmission problems*, Bulletin of TICMI, **19**, No. 2 (2015), 21–39.
238. C.E. Athanasiadis, D. Natroshvili, V. Sevroglou, I.G. Stratis, *A Mixed Impedance Scattering Problem for Partially Coated Obstacles in Two-Dimensional Linear Elasticity*, In: Integral Methods in Science and Engineering, Theoretical and Computational Advances, C. Constanda, A. Kirsch, Eds., Birkhäuser, Heidelberg-New York-Dordrecht-London, 2015, 29-41.
239. O. Chkadua, D. Natroshvili, *Localized boundary-domain integral equations approach for Robin type problem of the theory of piezo-elasticity for inhomogeneous solids*, Memoirs on Differential Equations and Mathematical Physics, **65**, 2015, 57–91.
240. O. Chkadua, S. Mikhailov, D. Natroshvili, *Localized boundary-domain singular integral equations of Dirichlet problem for self-adjoint second-order strongly elliptic PDE systems*, Mathematical Methods in the Applied Sciences, **40**(6), 2017, 1817–1837. DOI: 10.1002/mma.4100
241. T. Buchukuri, O. Chkadua, D. Natroshvili, *Mathematical Problems of Generalized Thermo-Electro-Magneto-Elasticity Theory*, Memoirs on Differential Equations and Mathematical Physics, Volume 68 (2016), 1–166.
242. T. Buchukuri, O. Chkadua, D. Natroshvili, *Mixed Boundary Value Problems of Pseudo-oscillations of Generalized Thermo-Electro-Magneto-Elasticity Theory for Solids with Interior Cracks*, Trans. A. Razmadze Math. Inst. **170**, No. 3(2016), 308–351. <http://dx.doi.org/10.1016/j.trmi.2016.09.001>.

243. T. Buchukuri, O. Chkadua, D.Natroshvili, *Method of fundamental solutions for mixed and crack type problems in the classical theory of elasticity*, Trans. A. Razmadze Math. Inst., **171** (2017), 264–292.
<http://dx.doi.org/10.1016/j.trmi.2017.04.004>.
244. T. Buchukuri, O. Chkadua, D.Natroshvili, *Mixed and Crack Type Problems of the Thermopiezoelectricity Theory Without Energy Dissipation*, Memoirs on Differential Equations and Mathematical Physics, **74** (2018), 39–78.
245. V.Maz'ya, D.Natroshvili, E.Shargorodsky, W. Wendland, (Editors), *Recent trends in operator theory and partial differential equations*, (The R.Duducava Anniversary Volume), Operator Theory: Advances and Application, Vol. 258, Birkhäuser, 2017.
246. O. Chkadua, S. Mikhailov, D. Natroshvili, *Singular localised boundary-domain integral equations of acoustic scattering by inhomogeneous anisotropic obstacle*, Mathematical Methods in the Applied Sciences, **41** (2018), 8033–8058.
 DOI: 10.1002/mma.5268
247. D. Natroshvili, M.Mrevlishvili, *Investigation of nonclassical transmission problems of the thermo-electro-magneto elasticity theory for composed bodies by the integral equation method*, Transactions of A. Razmadze Mathematical Institute, **173** (2019), 3, 103–130.
248. G.Jaiani, D.Natroshvili, (Editors), *Mathematics, Informatics and their Applications in Natural Sciences and Engineering*, AMINSE 2017, Springer Proceedings in Mathematics & Statistics, vol. 276, Springer, Cham, 2019.
<https://link.springer.com/book/10.1007/978-3-030-10419-1>
 DOI <https://doi.org/10.1007/978-3-030-10419-1>
 ISBN 978-3-030-10418-4 ISBN 978-3-030-10419-1 (eBook)
249. T.Buchukuri, O.Chkadua, D.Natroshvili, *Mixed and crack type dynamical problems of thermo-electro-magneto-elasticity theory*. Georgian Mathematical Journal, Vol.28, issue 4 (2021), 533-553.
<https://doi.org/10.1515/gmj-2020-2051>.
250. G.Jaiani, D.Natroshvili, (Editors), *Applications of Mathematics and Informatics in Natural Sciences and Engineering*, AMINSE 2019, Springer Proceedings in Mathematics & Statistics, vol. 334, Springer, Cham, 2020.
<https://link.springer.com/book/10.1007/978-3-030-56356-1>
<https://doi.org/10.1007/978-3-030-56356-1>
 ISBN 978-3-030-56355-4 ISBN 978-3-030-56356-1 (eBook)

251. D.Natroshvili, M.Mrevlishvili, *Mixed boundary-transmission problems for composite layered elastic structures*. Mathematical Methods in the Applied Sciences, Volume 44, Issue 12 (2021), 9689–9709. <https://doi.org/10.1002/mma.6734>
252. S. Gorgisheli, M. Mrevlishvili, D.Natroshvili. Localized Boundary-Domain Integro-Differential Equations Approach for Stationary Heat Transfer Equation. In: Jaiani G., Natroshvili D. (eds) Applications of Mathematics and Informatics in Natural Sciences and Engineering. AMINSE 2019. Springer Proceedings in Mathematics & Statistics, vol 334. Springer, Cham., vol 334 (2020), 205–226. https://doi.org/10.1007/978-3-030-56356-1_12
253. S.Gorgisheli, M.Mrevlishvili, D.Natroshvili, *Boundary-transmission problems of the theory of acoustic waves for piecewise inhomogeneous anisotropic multi-component Lipschitz domains*, Transactions of A. Razmadze Mathematical Institute, **174**, issue 3 (2020), 303–324.
254. G.Chkadua, D.Natroshvili, *Mathematical aspects of fluid-multiferroic solid interaction problems*. Mathematical Methods in the Applied Sciences, Volume 44, Issue 12 (2021), 9727–9745.
DOI: <https://doi.org/10.1002/mma.7108>
255. O. Chkadua, S.Mikhailov, D.Natroshvili, *Localized boundary-domain singular integral equations of the Robin type problem for self-adjoint second-order strongly elliptic PDE systems*. Georgian Math. J., Vol.28, issue 5 (2021), 695–715.
<https://doi.org/10.1515/gmj-2020-2082>
256. T.Buchukuri, O.Chkadua, D.Natroshvili, *Mixed Boundary-Transmission Problems for Generalized Thermo-Electro-Magneto-Elasticity Theory for Piecewise Homogeneous Composed Structures*. Transactions of A. Razmadze Mathematical Institute, **175**, issue 2 (2021), 163–198.
257. D.Natroshvili, T.Tsertsvadze, *On an alternative approach for mixed boundary value problems for the Laplace equation*, Georgian Mathematical Journal, vol. 29, no. 6 (2022), 883-895. <https://doi.org/10.1515/gmj-20222177>
258. D.Natroshvili, T.Tsertsvadze, *Mixed boundary value problems for the Helmholtz equation*, Journal of Integral Equations and Applications, Volume 34 , No. 4 (2022), 475-488. <https://doi.org/10.1216/jie.2022.34.475>
259. G.Chkadua, D.Natroshvili, *Mathematical aspects of fluid-multiferroic solid interaction dynamical problems*. Applicable Analysis, Vol. 102, No. 18 (2023), 5224–5250. <https://doi.org/10.1080/00036811.2023.2171874>

260. D.Natroshvili, T.Tsertsvadze, *On an alternative approach for mixed boundary value problems for the Lamé system*, J. Elast., **153** (2023), 399–422.
<https://link.springer.com/article/10.1007/s10659-023-10004-1>
261. D.Natroshvili, M.Mrevlishvili, Z.Tediashvili, *An alternative potential method for mixed steady-state elastic oscillation problems*. Math. Meth. Appl. Sci., Vol.47, Issue 16, 2024, 12423–12442,
<http://doi.org/10.1002/mma.10044>
262. A.Meskhi, D.Natroshvili (Editors): Journal of Mathematical Sciences, Special Issue: Selected papers from the XIII Annual International Conference of the Georgian Mathematical Union, Springer, 10958 ISSN 1072-3374, 280(3) 275-506 (2024)
<https://link.springer.com/journal/10958/volumes-and-issues/280-3>
263. T.Buchukuri, O.Chkadua, D.Natroshvili, *Dynamical Mixed Boundary-transmission Problems of the Generalized Thermo-Electro-Magneto-Elasticity Theory for Composed Structures*, Georgian Math. J., 2024 (<https://doi.org/10.1515/gmj-2024-2051>)

II. Monographs

1. D.Natroshvili, *Estimate of Green's tensors of the theory of elasticity and their applications*. Tbilisi University, Tbilisi, 1978. (Russian)
2. D.Natroshvili, A.Djagmaidze, *Dynamic problems of the theory of elasticity for piecewise homogeneous bodies*, Tbilisi University, Tbilisi, 1978. (Russian)
3. D.Natroshvili, M. Svanadze, *Basic boundary and boundary-contact value problems of anisotropic elastostatics*, Tbilisi University, Tbilisi, 1981. (Russian)
4. D.Natroshvili, A.Djagmaidze, M.Svanadze, *Problems of the linear theory of elastic mixtures*, Tbilisi University, Tbilisi, 1986. (Russian)
5. L.Jentsch, D.Natroshvili, *Three-dimensional mathematical problems of thermoelasticity of anisotropic bodies*, Part I, Memoirs on Differential Equations and Mathematical Physics, Vol. 17, 1999.
6. L.Jentsch, D.Natroshvili, *Three-dimensional mathematical problems of thermoelasticity of anisotropic bodies*. Part II, Memoirs on Differential Equations and Mathematical Physics, Vol. 18, 1999.
7. G.Jaiani, S.Kharibegashvili, D.Natroshvili, W.L.Wendland, *Hierarchical models for cusped plates and bars*, Lecture Notes of TICMI, Vol. 4, Tbilisi University Press, Tbilisi, 2003 .

8. D. Natroshvili, *Mathematical Problems of Thermo-Electro-Magneto-Elasticity*, Lecture Notes of TICMI, Vol. 12, Tbilisi University Press, Tbilisi, 2011.
9. T. Buchukuri, O. Chkadua, R. Duduchava, D. Natroshvili, *Interface crack problems for metallic-piezoelectric composite structures*, Memoirs on Differential Equations and Mathematical Physics, 55, 2012.
10. T. Buchukuri, O. Chkadua, D. Natroshvili, *Mathematical Problems of Generalized Thermo-Electro-Magneto-Elasticity Theory*, Memoirs on Differential Equations and Mathematical Physics Volume 68 (2016), 1–165.

III. Text books (in Georgian)

1. D. Natroshvili, L. Giorgashvili, M. Usanetashvili, G. Jashiashvili, *Mathematics for economists*, Global Print, Tbilisi, 1999.
2. D. Natroshvili, G. Sadunishvili, M. Shubladze, T. Aliashvili, *Mathematics (For students of humanitarian faculties)*, Georgian Technical University, Tbilisi, 2000.
3. D. Natroshvili, O. Zumburidze, T. Davitashvili, S. Ebralidze, M. Miminoshvili, G. Mchedlidze, *Engineering Mathematics*, Georgian Technical University, Tbilisi, Global Print, Tbilisi, 2001.
4. D. Natroshvili, O. Meladze, T. Zandukeli, *Elementary Mathematics: tests and material for entrance exams*, Georgian Technical University, Tbilisi, 2001.
5. D. Natroshvili, G. Samsonadze, M. Shubladze, *Linear Algebra with applications*, Part I, Georgian Technical University, Tbilisi, 2002.
6. D. Natroshvili, G. Samsonadze, M. Shubladze, R. Bitsadze, *Linear Algebra with applications*, Part II, Georgian Technical University, Tbilisi, 2003.
7. D. Natroshvili, L. Giorgashvili, G. Jashiashvili, *Mathematics for economists*, Second Edition, "Akhali Ivioni", Tbilisi, 2008.
8. D. Natroshvili, G. Berikelashvili, G. Samsonadze, *Elements of Linear Algebra and Discrete Mathematics*, Georgian Technical University, Tbilisi, 2014
9. D. Natroshvili, G. Berikelashvili, S. Zazashvili, *Calculus 1*. Georgian Technical University, Tbilisi, 2014. (Electronic Lecture-Course)
10. D. Natroshvili, G. Berikelashvili, S. Zazashvili, *Calculus 2*. Georgian Technical University, Tbilisi, 2014. (Electronic Lecture-Course)

11. D.Natroshvili, S. Zazashvili, G.Berikelashvili, *Basic Mathematics* , Georgian Technical University, Tbilisi, 2014. (Electronic Lecture-Course)
12. D.Natroshvili, T.Aliashvili, *Statistics. The Art and Science of Learning from Data.* Georgian Technical University, Tbilisi, 2015. (Electronic Lecture-Course)
13. D.Natroshvili, T.Aliashvili, *Basic Engineering Data Collection and Analysis.* Georgian Technical University, Tbilisi, 2015. (Electronic Lecture-Course)
14. D.Natroshvili, S. Zazashvili, G.Berikelashvili, *Fundamentals of Differential Equations*, Georgian Technical University, Tbilisi, 2014. (Electronic Lecture-Course)
15. D.Natroshvili, S. Zazashvili, G.Berikelashvili, *Numerical methods for engineers*, Georgian Technical University, Tbilisi, 2015. (Electronic Lecture-Course)
16. D.Natroshvili, G.Berikelashvili, G.Samsonadze, *Linear algebra in examples and problems*, Georgian Technical University, Tbilisi, 2020.

IV. Editor of Books and Journal Volumes

1. V.Maz'ya, D.Natroshvili, E.Shargorodsky, W. Wendland, (Editors), *Recent trends in operator theory and partial differential equations*, (R.Duducava Anniversary Volume), Operator Theory: Advances and Application, Vol. 258, Birkhäuser, 2017. ISBN 978-3-319-47079-5 <https://www.springer.com/gp/book/9783319470771>
2. G.Jaiani, D.Natroshvili, (Editors), *Mathematics, Informatics and their Applications in Natural Sciences and Engineering*, AMINSE 2017, Springer Proceedings in Mathematics & Statistics, v. 276, 2019.
<https://link.springer.com/book/10.1007/978-3-030-10419-1>
<https://doi.org/10.1007/978-3-030-10419-1>
ISBN 978-3-030-10418-4 ISBN 978-3-030-10419-1 (eBook)
3. G.Jaiani, D.Natroshvili, (Editors), *Applications of Mathematics and Informatics in Natural Sciences and Engineering*, AMINSE 2019, Springer Proceedings in Mathematics & Statistics, v. 334, 2020.
<https://link.springer.com/book/10.1007/978-3-030-56356-1>
<https://doi.org/10.1007/978-3-030-56356-1>
ISBN 978-3-030-56355-4 ISBN 978-3-030-56356-1 (eBook)
4. S. E. Mikhailov, D. Natroshvili (Editors): *Mathematical methods in the Applied Sciences*, Volume 44, Issue 12, Pages: 9637-9926, August 2021.
<https://onlinelibrary.wiley.com/toc/10991476/2021/44/12>
5. A.Meskhi, D.Natroshvili (Editors): *Journal of Mathematical Sciences*, Special Issue: Selected papers from the XIII Annual International Conference of the Georgian Mathematical Union, Springer, 10958 ISSN 1072-3374, 280(3) 275-506 (2024)
<https://link.springer.com/journal/10958/volumes-and-issues/280-3>

V. Other works

1. D.Natroshvili, Overview of Engineering Mathematics Education for STEM in Georgia, pp. 55-61. In: *Modern Mathematics Education for Engineering Curricula in Europe*. (A Comparative Analysis of EU, Russia, Georgia and Armenia), Springer & Birkäser, Cham, Switzerland, 2018, Eds.: S. Pohjolainen, T. Myllykoski, Ch. Mercat, S. Sosnovsky.
<https://doi.org/10.1007/978-3-319-71416-5>
2. D. Natroshvili, L.Beridze. *Anton Natroshvili*, (Biography and activity), Georgian Technical University, Tbilisi, 2017. (Georgian)