

Zurab Tediashvili

Full List of works

I. Scientific works

1. Z. Tediashvili, On the Uniqueness of Inverse Problems of the Potential Theory, Bulletin of the Georgian Academy of Sciences, v. **159**, 2 (1999), 201-204;
2. Z. Tediashvili, On the Uniqueness of Domains in the Inverse Problems of the Potential Theory, Bulletin of the Georgian Academy of Sciences, v. **160**, 1 (1999), 20-24;
3. Z. Tediashvili, Uniqueness Questions in the Inverse Problems of the Potential Theory, Bulletin of the Georgian Academy of Sciences, v. **161**, 3 (2000), 391-394;
4. D.Natroshevili, S.Kharibegashvili, Z. Tediashvili, Direct and Inverse Fluid-Structure Interaction Problems, Rendiconti di Matematica, Serie VII, Vol. **20**, Roma (2000), 57-92 (იმფაქტ ფაქტორიანი);
5. Z. Tediashvili., Uniqueness Theorems in the Inverse Problems of the Potential Theory, Bulletin of the Georgian Academy of Sciences, v. **163**, 2 (2001), 200-203;
6. D. Natroshevili, Z. Tediashvili, Mixed Type Direct and Inverse Scattering Problems, Operator Theory: Advances and Applications, Birkhauser, Verlag, Bassel / Switzerland, **121** (2001), 366-389 (იმფაქტ ფაქტორიანი);
7. Z. Tediashvili, Uniqueness in the Inverse Problems of the Potential Theory, Bulletin of the Georgian Academy of Sciences, v. **165**, 2 (2002), 229-232;
8. Z. Tediashvili, Uniqueness for Two-dimensional domains in the Inverse Problems of the Potential Theory, Bulletin of the Georgian Academy of Sciences, v. **165**, 3(2003), 469-472;
9. D.Natroshevili, 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, Vol. **35**, 2005, 91-127
(იმფაქტ ფაქტორიანი);

10. G.Sadunishvili, I.Sigua, Z.Tediashvili, Jones eigenfrequencies and Jones modes in Scattering Problems, Fourth Congress of Georgian Mathematicians, Tbilisi 14-16 November, 2005. Book of abstracts, Georgian Mathematical Union, 2005, Tbilisi;
11. G.Sadunishvili, I.Sigua Z. Tediashvili, Acoustic Scattering by an Elastic Obstacle with Lipschitz Boundary, Fourth Congress of Georgian Mathematicians, Tbilisi 14-16 November, 2005. Book of abstracts, Georgian Mathematical Union, 2005, Tbilisi;
12. Z. Tediashvili, I.Sigua, Fundamental Solution of Elastic Steady State Oscillation Equations . Reports of Enlarged Session of the Seminar of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, Vol. **35**, 2009, 16-20;
13. D. Natroshvili, Z. Tediashvili, Crack Problems for Composite Structures , Operator Theory: Advances and Applications, Birkhauser, Verlag, Basel / Switzerland, **193** (2009), 227-243 (იმფაქტ ფაქტორიანი);
14. Z.Tediashvili, I.Sigua, On Fundamental Solution of Steady State Oscillation Equations, Memoirs on Differential Equations and Mathematical Physics, Vol. **51**, 2010, 119-154;
15. M.Mrevlishvili, D.Natroshvili, Z.Tediashvili, Uniqueness theorems for thermo-electro-magneto-elasticity problems, Bulletin of the Greek Mathematical Society, Vol. **57** (2010), 281-295;
16. Z. Tediashvili, The Dirichlet Boundary Value Problem of *Thermo-Electro-Magneto-Elasticity for Half Space*, Memoirs on Differential Equations and Mathematical Physics, Vol. **69**, 2016, 93–103 (იმფაქტ ფაქტორიანი);
17. Z. Tediashvili, The Neumann Boundary Value Problem of *Thermo-Electro-Magneto-Elasticity for Half Space*, Memoirs on Differential Equations and Mathematical Physics, Vol. **74** , 2018, 141-152 (იმფაქტ ფაქტორიანი);
18. Z. Tediashvili, The Robin Boundary Value Problem of *Thermo-Electro-Magneto-Elasticity for Half Space*, Memoirs on Differential Equations and Mathematical Physics, Vol. **86**, 2022, 141-152 (იმფაქტ ფაქტორიანი);

II. Conferences

1. Z. Tediashvili, Uniqueness in the Inverse Problems of the Potential Theory, The Third Congress of Georgian Mathematicians, Tbilisi, 11-13 October, 2001; Book of abstracts, Georgian Mathematical Union, 2001, Tbilisi;
2. G. Sadunishvili, I. Sigua, Z. Tediashvili, Jones eigenfrequencies and Jones modes in Scattering Problems, Fourth Congress of Georgian Mathematicians, Tbilisi 14-16 November, 2005. Book of abstracts, Georgian Mathematical Union, 2005, Tbilisi;
3. G. Sadunishvili, I. Sigua, Z. Tediashvili, Acoustic Scattering by an Elastic Obstacle with Lipschitz Boundary, Fourth Congress of Georgian Mathematicians, Tbilisi 14-16 November, 2005. Book of abstracts, Georgian Mathematical Union, 2005, Tbilisi;
4. Z. Tediashvili, I. Sigua, Fundamental Solution of Elastic Steady State Oscillation Equations, Enlarged Session of the Seminar of I. Vekua Inst. of Applied Mathematics, Tbilisi State University, 21-23 April, 2009;
5. D. Natroshvili, M. Mrevlishvili, Z. Tediashvili, *Mathematical Problems of Thermo-Electro-Magneto-Elasticity*, Book of Abstracts, University of Athens. The International conference - "Modern mathematical methods in science and technology 2009", Athens-Poros, Greece, 3 - 5 September, 2009;
6. Z. Tediashvili, The Basic BVP of *Thermo-Electro-Magneto-Elasticity for Half Space*, *International conference: VII Annual Meeting of the Georgian Mathematical Union & the Georgian Mechanical Union*, 05.09-09.09, 2016, Batumi, Georgia. Book of abstracts, Georgian Mathematical Union;
7. Z. Tediashvili, On the Solution of the Neumann BVP of *Thermo-Electro-Magneto-Elasticity for Half Space*, VIII International Conference of the Georgian Mathematical Union, 04.09-08.09, 2017, Batumi, Georgia. Book of abstracts, Georgian Mathematical Union;
8. Z. Tediashvili, Uniqueness in the Inverse Problems of the Potential Theory, X International Conference of the Georgian Mathematical Union, 02.09-06.09, 2019, Batumi, Georgia. Book of abstracts, Georgian Mathematical Union.
9. Z. Tediashvili, On the Solution of the Robin BVP of *Thermo-Electro-Magneto-Elasticity for Half Space*, Georgian Mathematical Union XII Annual International Conference, 29.08-03.09, 2022, Batumi, Georgia. Book of abstracts.

III. Text books (in Georgian)

1. Z. Tediashvili, Mathematics for economists, book of exercises, part I, Georgian Technical University Edition, Tbilisi, 2004 (Q. Sxvitaridze, G. Qarseladze, I.Sigua, E. Elerdashvili, M. Khmiadashvili);
2. Z. Tediashvili, Mathematics for economists, book of exercises, part II, Georgian Technical University Edition, Tbilisi, 2005 (Q. Sxvitaridze, G. Qarseladze, I.Sigua, E. Elerdashvili, M. Khmiadashvili).