

Associate Professor of the Department of Engineering Mechanics and Construction  
 Technical Expertise No. 101 of the Faculty of Construction

Metreveli Gela

List of scientific work

(surname, name)

№№	Title of scientific works	Printed or handwritten	The publishing house, journal (number, year) or copyright certificate number	Printed Number of pages	The surname of the co-author
1	2	3	4	5	6
1	The issues of setting up the local network of measurement and management on optical fiber for the energy system of Georgia	Printed	S.T.U. Theses of reports of the university conference of young scientists and post-graduate students. 1994 (p. 30)	1	
2	Investigation of the laser-mechanical stamping process in order to optimize the technological process	Printed	S.T.U. International Symposium on Problems of Mechanics of Continuous Bodies Abstracts of Reports. 1997 (p. 86)	1	Tsikarishvili Churchelauri
3	Investigating the effectiveness of shock waves in laser thermal micro-explosion in liquid	Printed	S.T.U. Abstracts of reports on problems of mechanics of continuous bodies. 1997 (p. 86)	4	Tsikarishvili Churchelauri Beridze
4	Damage diagnosis area in the vehicle technical inspection center	Printed	75th of STU University Dedicated to the anniversary of professors and teachers Abstracts of open scientific and technical conference reports. 1997 (p. 20)	1	Laghundaridze

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5	Laser in liquid. Determination of the coefficient of action of the dynamic force field obtained by thermal micro-explosion	Printed	S.T.U. Theses of reports of the open scientific and technical conference of professors dedicated to the 75th anniversary of the university. 1997 (p. 30)	1	Tsikarishvili
6	Laser microburst enhancement using energy concentrators	Printed	S.T.U. International Symposium "Mechanics of Rigid Deformable Body" collection of abstracts of reports. 1998 (p. 90)	1	Tsikarishvili
7	Reactor, high-pressure chamber report in laser stamping	Printed	Scientific works of the Science and Revival Foundation of Georgia Collection "Intellect" No. 1 (4) 1999 (p. 110)	3	Tsikarishvili
8	Calculation of reactor strength	Printed	Collection of Scientific Works of the Science and Revival Foundation of Georgia "Intelligence" No. 1 (7) 2000	3	

9	Study of the nature of the impact of a shock wave on the dividing surface of the medium	Printed	Problems of applied mechanics- international scientific journal. 2001 (p. 63)	4	
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10	The scope of effective application of the force field obtained by laser micro-explosion.	Printed	Problems of applied mechanics - international scientific journal. 2005 (p. 58)	4	Bakhtadze Tsikarishvili Churchelauri
11	Investigation of technological possibilities of laser micro-explosions	Printed	Georgian Academy of Energy Scientific and Technical Journal "Energy" 2005 No. 3 (35) (p. 76)	4	Bakhtadze Tsikarishvili Beridze Anjafaridze

12	Construction of control maps of average pressures and ranges for effective management of the steady-state water supply process	Printed	Georgian Engineering News. 2005 №2 (p. 92)	4	Tsikhelashvili Giorgadze Mchedlidze Churchelauri
13	The diagnostic decisive rule for assessing the quality of a water supply system operating on the principle of "consumer pumping station"	Printed	Georgian Engineering News. 2005 №2 (p. 96)	3	Tsikhelashvili Gujavidze Dolidze Manjavidze Churchelauri

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14	Methodological issues of constructing a decision support system for the operational management of the water treatment technological process based on a process.	Printed	Georgian Engineering News. 2005 №3 (p. 128)	2	Gujavidze Manjavidze Nozadze Salia Churchelauri
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15	Principles of calculating the strength of the hybrid (combined) reactor	Printed	S.T.U. building Department of Constructions Reports of the scientific and technical conference "Construction and the XXI century" dedicated to the 75th anniversary, 2005. (p. 267)	4	Tsikarishvili Anjafaridze
16	Determination of the resistance of a solid-walled metal chamber in the form of unit moment epigraphs	Printed	S.T.U. Scientific and technical journal "Construction" ISSN 512-3936 No. 1 2006 (p. 28)	8	R. Imedadze L.Imedadze
17	Methods of reporting key elements of buildings equipped with active protection systems and recommendations for their design	Printed	S.T.U. Scientific and technical journal "Construction" ISSN 512-3936 No. 3 of 2006 (p. 57)	4	Babilodze Modebadze
18	Calculation and optimization of plates reinforced with thin stiffeners	Printed	S.T.U. Scientific and technical journal "Construction" ISSN 512-3936 No. 1(8) 2008 (p. 62)	6	Zonenashvili Imedadze Churchelauri
19	Rheological characteristics of lightweight concrete mixtures and their dependence on technological factors	Printed	S.T.U. Scientific and technical journal "Construction" ISSN 512-3936 No. 3(10) of 2008 (p. 62)	4	Khakhutashvili Churchelauri Vazagashvili

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20	Deformation of a cylindrical flat shell with a rectilinear pressure	Printed	S.T.U. Scientific and technical journal "Construction" ISSN 1 512-3936 No. 3(10) of 2008 (p. 78)		Zonenashvili Imedadze Churchelauri
21	Spatial vibrations of viscoelastic cylinders	Printed	S.T.U. Scientific and technical journal "Construction" ISSN512-3936 No. 4(11) 2008 (p. 60)	5	Vazagashvili Churchelauri
22	Statement of the problem of vibrations of elastoviscoelastic mechanical systems and solution methods	Printed	S.T.U. Scientific and technical journal "Construction" ISSN512-3936 No. 4(11) 2008 (p. 87)	8	Vazagashvili Churchelauri
23	Recommendations for profiling solid cutting tools to form helical mating surfaces	Printed	Scientific and technical industry magazine "TRANSPORT" ISSN512-0910 No. 1-2 2008 (33-34)	2	R. Gogoladze L. Gogoladze
24	A constructive method based on the theoretical foundations of the formation of touch	Printed	S.T.U. Scientific and technical journal "Construction" ISSN512-3936 No. 1(12) 2009 (p. 100)	4	R. Gogoladze Chkuaseli Churchelauri

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25	Axisymmetric oscillations of cylinders from material with various parameters of the nucleus of shear and volumetric relaxation	Printed	Scientific journal of MM "problems of mechanics" ISSN 1512-0740 №1(34)/2009. (p. 80)	4	Vazagashvili Churchelauri Gogaladze
26	Harmonious bending oscillations of structural – non – uniform road system	Printed	Scientific journal of MM "problems of mechanics" ISSN 1512-0740 №1(34)/2009. (p. 90)	1	Vazagashvili Churchelauri Gogaladze
27	Statistical evaluation of the characteristic parameters of the extreme wave process in the section of the dam	Printed	S.T.U. Scientific and technical journal "Construction" ISSN512-3936 No. 2(13) 2009 (p. 106)	6	Gvelesiani Kirimlishvili Tsikhelashvili Churchlauri
28	Descriptive modeling of water pollution quality	Printed	S.T.U. Scientific and technical journal "Construction" ISSN512-3936 No. 2(13) 2009 (p. 117)	13	Tsikhelashvili Churchlauri
29	The deterministic model of the theory of stock management	Printed	Georgian Engineering News №2 (vol. 50) 2009	3	Tsokhadze Churchelauri Tsikhelashvili

30	Radiation and electromagnetic defectoscopy	Printed	S.T.U. (study guide) 2005 ISBN 99940-48-34-1	110	Bakhtadze Tsikhelashvili Laghundaridze
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31	Technical diagnosis of damage to structures Methodological instructions for performing laboratory work (Part II)	Printed	S.T.U. 2001 ISBN99928-78-35-5	1	Bakhtadze Tsikarishvili Laghundaridze
32	Active and passive protection systems in buildings (lectures synopsis)	Handwritten	Synopsis of lectures	60	Bakhtadze Churchelauri Manjavidze

33	Optimizing reactor shape and geometric dimensions for perfecting the laser micro blast process (monograph)	Printed	“Burton” publishing house 2007 ISBN 978-99940-9462-2	148	Tsikarishvili
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34	Technical diagnosis of construction damage (manual)	Printed	Technical University of Georgia 2009	174	Tsikarishvili Laghundaridze Zambakhidze Churchelauri
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35	Methodological guidelines for the preparation of design and qualification papers in technical diagnostics and expertise of building constructions (supporting manual)	Printed	Technical University of Georgia 2009	71	Churchelauri
36	Harmonic bending vibrations of elastic-viscoelastic mechanical systems	Printed	Publishing House „Technical University,, 2009 ISBN 978-9941-14-743-2	127	Vazagashvili Churchelauri
37	Development of high-speed video recording method in machinery technology For process analysis (monograph)	Printed	Technical University of Georgia 2009	120	Bakhtadze Vazagashvili Churchelauri
38	Mathematical formulation of collisional process by application of thin-walled shell model	Printed	S.T.U. Scientific and technical journal "Construction" ISSN 512-3936 No. 4(23) 2011 (p. 10)	4	Vazagashvili Jikhvadze Khutsishvili
39	Methodological guidelines Technical diagnostics of damage to buildings to perform laboratory tasks	Printed	S.T.U. 2013 ISBN978-9941- 20-347-3	62	Tsikarishvili Khutsishvili Beridze

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40	METOLOGICAL AND MATHEMATICAL SUPPORT OF ALGORITHMS OF DETERMINATION OF DYNAMICAL CHARACTERISTICS OF STRUCTURALLY INHOMEGENEOUS PRISMATIC STRUCTURERS	Printed	PROCEEDONGS OF MECHANICS 2016 THE International Conference Mechanics 2016 Bartoni	5	M. Vazagashvili
41	"Technical diagnostics"	Printed	Manual ISBN 978-9941-20-545-3 Publishing House "Technical University" 2015 year	247	Tsikarishvili Beridze Vardiashvili
42	Building Construction condition research	Printed	Guide ISBN 978-9941-28-211-9 Publishing "Technical University" 2017	198	Gurgenidze Imedadze Maghradze
43	Construction assessment	Printed	Lecture course ISBN 978-9941-28-207-2 2019	150	Tsikarishvili
44	The direction of deformations and micro-bending determination of fiber-optic interferometer through a transmitter	Printed	Scientific and technical journal "Construction" No. 3(63) ISSN1512-3936 2022	4	Tsitskishvili Beridze

45	<p style="text-align: center;">DETERMINING THE RESIDUAL CAPACITY OF CONCRETE AND ACCORDING TO THE REINFORCEMENT STRENGTH CRITERIA IN THE OPERATION PERIOD OF REINFORCED CONCRETE COILS.</p>	Printed	<p>Scientific and technical journal "Construction" No. 3(63) ISSN1512-3936 2023</p>	7	<p>Tsitskishvili Beridze</p>
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