

List of scientific works 2008-2023 **Batsikadze Tamaz**

#	Scientific work Title	Printed or manuscript	Publishing house, magazine (number, year) or a copy of the copyright certificate	Printed Tabs or pages Points	Co-author last name
1	2	3	4	5	6
1	Importance of jamming at cylinders pairing in specific temperature conditions	Printed	Boston, USA 2008 Budget Printing Center Boston, Massachusetts USA	8	
2	Determination of the load capacity of rectangular plates in transverse bending(in Georgian)	Printed	"Science and Technology" monthly scientific-refereed journal of the National Academy of Georgia, # 10-12, 2008, Tbilisi Scitech@gw.acnet.ge http://www.acnet.ge/publicut.htm	4	N. Murghulia J. Nizharadze
3	Plastic deformations of a thick cylinder caused by torques and external pressures (in Georgian)	Printed	Scientific and technical magazine "Construction" # 1 (8), GTU, 2008, Tbilisi http://www.Sheneba.ge	4	N. Murghulia M. Dekanozishvili
4	Modified method of finer difference (in Georgian)	Printed	Scientific-technical magazine "Construction" # 2 (9)2008 , GTU, 2008, Tbilisi http://www.Sheneba.ge	5	V. Lomidze N. Murghulia
5	On the new mathematical model of solving the three-dimensional task of elasticity theory (in Georgian)	Printed	Scientific-technical magazine "construction" # 2 (9)2008, GTU, Tbilisi http://www.Sheneba.ge	10	V. Lomidze N. Murghulia
6	Plastic deformations of compound cylinder (in Georgian)	Printed	Scientific-Technical magazine "Construction" # 3 (10)2008 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	6	N. Murghulia J. Nizharadze
7	Plane stress state of a rectangular plate (in Georgian)	Printed	Scientific-Technical magazine "Construction" # 3 (10)2008 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	5	R. Chkoidze J. Nizharadze D. Bedukadze
8	Patent for the invention "floating bank protection devices". Ident. code #10996/01. reg. # 2008010996 (in Georgian)	Printed	ჭ. Georgian National Intellectual Property Center "Sakpatenti" Tbilisi 02.18. 2008		T. Gvelesiani A. Frangishvili D. Garuchava I. Tsikhelashvili G. Mikadze

					Sh.Tsikhelashvili P. Giorgadze A. Frangishvili Z. Gedenidze T. Kvitsiani P. Giorgadze Z. Gasitashvili N. Chkheidze G.Kherkheulidze And others.
9	Patent for on the useful model "bank protection structure". Ident. code # 10431/02, reg. # 1450 (in Georgian)	Printed	Georgian National Intellectual Property Center "Sakpatenti" Tbilisi 27.10. 2008		T. Gvelesiani A. Frangishvili D. Garuchava I. Tsikhelashvili G. Mikadze Sh. Tikhelashvili P. Giorgadze Z. Gedenidze T. Kvitsiani P. Giorgadze Z. Gasitashvili N. Chkheidze G.Kherkheulidze And others
10	National program for the production and use of combustible biogas from environmentally friendly biological fertilizers and animal food on biological additives, certificate #2975(in Georgian)	Printed	Georgian National Intellectual Property Center "Sakpatenti" Tbilisi 27.10. 2008		Sh.Tsikhelashvili D. Teneishvili M. Sanikidze
11	The study of the bearing capacity of regular multi-plate (In Russian)	Printed	GGEORGIAN ENGINEERING NEWS # 1 2009	4	R. Chkoidze J. Nizharadze
12	Shrinking of orthotropic cylinders with a predetermined stretch (in Georgian)	Printed	Scientific-Technical magazine "Construction" # 1 (12)2009, GTU, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	5	N. Murghulia J. Nizharadze
13	Determination of the cross- sectional dimensions of compressed rods by the method of longitudinal bending	Printed	2009 წ. Scientific-Technical magazine "Construction" # 1 (12,) GTU,2009 http://tinmag@mail.ru http://www.Sheneba.ge	6	R. Chqholdze D. Bedukadze A. Javakhishvili D. Sturua

14	Schematic diagram of the arrangement of biologically completely treatment facilities and organic waste processing bioenergetic equipment	Printed	Georgian National Intellectual Property Center "Sakpatenti" 06. 2009		A. Frangishvili Z. Gasitashvili M. Sanikidze
15	Patent for an invention "floating structure with a wave damping device".	Printed	Georgian National Intellectual Property Center "Sakpatenti" Tbilisi 06. 2009 Official Property Bulletin of Industrial Property 5 (273) Tbilisi 10.03. 2009		A. Fransishvili I. Batsikadze P. Giorgadze N. Chkheidze G. Catsitadze M. Davitaia G. Mikadze I. Chekhelashvili Sh. Chikhelashvili D. Kakadze L. Rukhadze
16	Patent for utility model "biodevice". Iden. # 10697/02 reg. # 1481	Printed	Georgian National Intellectual Property Center "Sakpatenti"		D. Garuchava A. Frangishvili I. Batsikadze P. Giorgadze N. Chkheidze G. Katsitadze G. Mikadze I. Tsikhelashvili Sh. Tsikhelashvili D. Kaxadze
17	Engineering Mechanics The basic manual is approved by the GTU Editorial Board	Printed	GTU Publishing House "Technical Universities" 2009 www.gtu.ge	222	V. Fochkhua L. Ghogheliani R. Tskhvedadze
18	Representations of the visible universe	Printed	"Science and Technology" monthly scientific-refereed journal of the National Academy of Georgia, # 10-12, 2008, Tbilisi Scitech@gw.acnet.ge http://www.acnet.ge/publicut.htm	4	
19	Reference book of the strength of materials (in Georgian)	Printed	Ancillary Manual. GTU, Publishing House "Technical Universities" 2009 www.gtu.ge	195	A. Buqsianidze N. Murghulia J. Nizharadze
20	Calculation of circular and annular	Printed	Collection of Works of GTU, 4	7	J. Nizharadze

	plates for load-carrying capacity(in Georgian)		(474). Publishing house "Technical University" 2009, Tbilisi http://publishhouse.gtu.ge/storage/archit/9/		
21	The tensely-deformed state of a parallelepiped, which is evenly loaded along the upper face and lying in a rigid nest(in Georgian)	Printed	Science and Technology" monthly scientific-refereed journal of the National Academy of Georgia, # 10-12, 2009, Tbilisi Scitech@gw.acnet.ge http://www.acnet.ge/publicut	4	N. Berishvili R. Giorgobiani
22	Consideration of the relationship between stresses and strains and the Lamé constant (in Georgian)	Printed	Science and Technology" monthly scientific-refereed journal of the National Academy of Georgia # 1-3,2010	4	N. Berishvili R. Giorgobiani
23	Prospector-type model of the "Dolphin" complex intended for holidays and entertainment of residents and tourists(in Georgian)	Printed	Scientific-technical magazine "Construction" # 1 (16) 2010, GTU, Tbilisi http://www.Sheneba	5	A. Fransishvili Z. Tsikhelashvili G. Dolidze N. Chkheidze
24	History of the department of structural mechanics and seismic resistance from the day of foundation until now (in Georgian)	Printed	Scientific-technical magazine "Construction" # 1 (17) 2010, GTU, Tbilisi http://www.Sheneba	4	R. Ckhvedadze
25	Calculation of hollow cylinders with different elastic moduli for tension and compression (in Georgian)	Printed	Collection of works on "applied mechanics" dedicated to the 100th anniversary of the birth of David Tavkhelidze. GTU, 2010 Tbilisi	8	J. Nizharadze R. Chqheidze
26	Load-carrying capacity of a thick-walled, hollow cylindrical shell under the action of external and internal pressure (in Georgian)	Printed	Scientific-technical magazine "Construction" # 4 (19) 2010, GTU, Tbilisi http://www.Sheneba	9	D. Murghulia J. Nizharadze
27	About a single (common) field (in Russian)	Printed	„Science and religion" Related to A. Fransishvili's 80th anniversary International Scientific and Technical Conference 2010, 1-4 November	2	
28	About the origin and function of the visible universe (in Russian)	Printed	"Science and religion" Related to A. Fransishvili's 80th anniversary International Scientific and	2	

			Technical Conference 2010", 1-4 November		
29	Determination of the load capacity of a hollow rectangular plate (in Georgian)	Printed	Collection of works on "applied mechanics" dedicated to the 100th anniversary of the birth of David Tavkhelidze. GTU, 2010, Tbilisi www.gtu.ge	5	J. Nizharadze R. Chqhoidze
30	What do we do after "death"?	Printed	Monograph, Publishing house "Technical University". GTU, Tbilisi, 2011	134	
31	2011 Nobel Prize in Physics	Printed	"Science and Technology" monthly scientific-refereed journal of the National Academy of Georgia # 10-12, 2011, Tbilisi	4	M. Jibladze
32	The law of action and reaction in the spiritual world	Printed	"Business Engineering". Quarterly Science magazine. 90th Anniversary of GTU, # 3, 2012, Tbilisi	3	
33	Life is eternal	Printed	"Social Economy" Scientific-Technical Journal # 5 2012, GTU, Tbilisi	6	
34	Scientific Technopark— Innovative aspects	Printed	Works. Automatic control systems, GTU, 2012, Tbilisi		K. Sokhadze Z. Paresashvili
35	Thermotherapy of a malignant tumor with alternating electric current	Printed	"Science and Technology" monthly scientific-refereed journal of the National Academy of Georgia, # 4-6, 2012, Tbilisi Scitech@gw.acnet.ge http://www.acnet.ge/publicut.htm	3	M. Jibladze and others
36	Use of the method of limiting loads in the case of axisymmetric loads (in Georgian)	Printed	Collection of scientific works of the Institute of Water Management # 67, 2012 Tbilisi http://dspace.nplg.gov.ge/handle/1234/108896	4	N. Murghulia J. Nizharadze
37	Technoparks and free economic zones "scientific and technical park as an object of innovation realization(in Georgian)	Printed	"Business engineering"- GTU quarterly scientific-technical journal, # 4, 2012, Tbilisi.		

38	Investigation of the stress-strain state of an orthotropic cylinder loaded over the entire surface (in Georgian)	Printed	Scientific-technical magazine "Construction" # 4 (27), 2012, GTU, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	4	N. Murghulia J. Nizharadze
39	Scientific technopark "Georgian" model (in Georgian)	Printed	"Social economy" Topical Problems of the XXI Century, # 6, 2012, Tbilisi	5	
40	Tight torsion of the rods of the open profile in the elastic-plastic stage (in Georgian)	Printed	Proceedings of the 1st international scientific conference dedicated to the 90th anniversary of the foundation of the Georgian Technical University. GTU, 2012 Tbilisi. www.gtu.ge	5	N. Murghulia J. Nizharadze
41	How to make sure that the spirit is immortal (in Georgian)	Printed	Monograph, Publishing house "Technical University", 2012, Tbilisi www.gtu.ge	193	
42	"How to become a human"(in Georgian)	Printed	"Business engineering" GTU quarterly scientific-technical journal # 4-6 2013	5	
43	Equipment for the decomposition of hydrogen sulfide Pattern P 5699 (in Georgian)	Printed	Georgian National Intellectual Property Center "Sakpatenti", 2013, Tbilisi		G.Varshalomidze Z. Razmadze A. Mikaberidze M. Jibladze G. Dvebuadze G. Tsintsadze M. Kharashvili Z. Tsikhelashvili D. Garuchava A. Frangishvili Z. Gedenidze P. Giorgadze I. Tsikhelashvili
44	Designing and construction of an wastewater treatment plant for animal slaughterhouses. Patent # 3239 (in Georgian)	Printed	Georgian National Intellectual Property Center "Sakpatenti", 2013, Tbilisi		A. Baghaturia A. Frangishvili A. Ivanishvili A. Sokhadze N. Begiashvili
45	Water purification filter "Dew". p#3981 (in Georgian)	Printed	Georgian National Intellectual Property Center "Sakpatenti", 2013, Tbilisi		Z. Tsikhelashvili A. Frangishvili V. Dvalishvili, R.

					Bokeria, Kh. Khatiauri
46	Method of obtaining an antioxidant liquid sugar P 5776 (in Georgian)	Printed	Georgian National Intellectual Property Center "Sakpatenti", 2013, Tbilisi		A. Baghaturia A. Frangishvili A. Ivanishvili A. Sokhadze N. Begiashvili
47	On some problems of plastic theory (in Georgian)	Printed	Scientific-technical magazine "Construction" # 2 (29) 2013, GTU, Tbilisi http://www.Sheneba "	7	V. Sokhadze
48	Engineering Mechanics (Reference) (in Georgian)	Printed	Ancillary allowance. Publishing house "Technical University", 2013, GTU , Tbilisi	142	Z. Madzaghua N. Murghulya
49	Flat deformation of the plate. The problem of plastic flow (in Georgian)	Printed	Scientific-technical magazine "Construction" # 1 (32) 2014, GTU, Tbilisi http://www.Sheneba	7	V. Sokhadze
50	Axisymmetric bending of a circular plate with different elastic moduli for tension and compression (in Georgian)	Printed	Scientific-technical magazine "Construction" # 1 (32) 2014, GTU, Tbilisi http://www.Sheneba	10	N. Murghulia J. Nizharadze, T. Magradze
51	A cluster atomic nucleus method (in Georgian)	Printed	Scientific-Technical Journal "Science and Technologies" 2014 www.gtu.ge	9	M. Jibladze
52	Black Sea ecological and energy problems (in Georgian)	Printed	Scientific-Technical Journal "Science and Technologies", Tbilisi, 2014 www.gtu.ge	8	M. Jibladze C. Varshalomidze, I. Sharabidze
53	On one particular case of an axisymmetric bending of a circular plate of a different modular material (in Russian)	Printed	Scientific-Technical Journal "Construction" 2014 http://tinmag@mail.ru http://www.Sheneba.ge	7	N. Murghulia, J. Nizharadze, T. Magradze
54	Short course of elasticity, plastics, and creep theory (in Georgian)	Printed	"Technical University" Tbilisi 2014	174	A. Kvaratskhelia Z. Madzagua
55	Strength of Material (part I)(in Georgian)	Printed	Textbook. Publishing house "Technical University", GTU, 2014	132	J. Nizharadze

			Tbilisi		
56	Clustering structure for stripped atom (in Georgian)	Printed	Scientific-Technical Journal "Science and Technologies" NN # 1 (715) 2014.	31	M. Jibladze
57	Engineering Mechanics (in Georgian)	Printed	Publishing house "Technical University ", Tbilisi, 2014	130	T. Kvitsiani A. Kvaratskhelia Z. Madzaghua
58	Hydrogen energy-energy of the XXI century(in Russian)	Printed	"Georgian Oil and Gas" International Scientific-Analytical Reference Journal, Tbilisi, 2015	13	A. Frangishvili M. Jibladze G. Varshalomidze I. Sharabidze
59	Calculation of structures for dynamic oscillations taking into account the linear hardening of the material (in Russian)	Printed	V International Scientific Technical Conference Modern problems of water management, environmental protection, architecture and construction Tbilisi, 2015	7	D. Tabatadze V. Sokhadze
60	Strength of Material (part II)(in Georgian	Printed	Publishing house "Technical University" , 2015, Tbilisi www.gtu.ge	138	J. Nizharadze
61	Samples of solving the selected tasks of Strength of Material Methodical instructions(in Georgian)	Printed	Publishing house " Technical University", 2015, Tbilisi www.gtu.ge	32	N. Murghulia J. Nizharadze
62	Some aspects of the technical park of Agro industrial complex(in Georgian)	Printed	The Science Journal "Social Economy" Current Problems of the XXI Century, #2(38), 2015, Tbilisi	5	K. Sokhadze Z. Faresashvili
63	Basics of the theory of elasticity and plasticity (Part I) (in Russian))	Printed	Publishing house "Technical University", GTU, 2016, Tbilisi	149	J. Nizharadze
64	The derivation of an equivalent differential equation with an integral-differential equation, taking into account the damping of the oscillation	Printed	Scientific-Technical Journal "Construction"# 1 (40), GTU, 2016, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	4	N. Murghulia J. Nizharadze
65	On the problem of nonstationary deformation of a composite cylindrical shell	Printed	Scientific-Technical Journal "Construction", # 3 (42), GTU, 2016, Tbilisi http://tinmag@mail.ru	6	N. Murghulia J. Nizharadze

			http://www.Sheneba.ge		
66	On the stability of a cylindrical shell	Printed	Scientific-Technical Journal "Construction" #, # 1(44) 2017, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	6	N. Murghulia J. Nizharadze
67	low-energy nuclear reactions - the future of heat power engineering	Printed	Scientific-Technical Journal "Science and Technologies" # 3(723), 2016, Tbilisi	13	M. Jibladze G. Dgebuadze And others
68	The elastic-plastic state of a compound cylinder under external pressure and variable temperature conditions (in Georgian	Printed	Scientific and technical magazine "Construction" # 2(45), GTU, 2017 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	3p	R. Giorgobiani, J. Nizharadze V. Turashvili
69	who we are and where we are after death	Printed	Monograph, Publishing house "Technical University", GTU, 2017, Tbilisi	187	
70	Strength of materials. Part I. (in Russian)	Printed	Textbook. Publishing House "Technical University". Tbilisi.2021 www.gtu.ge	128 pages	T. Nizharadze
71	Strength of materials. Part II. (in Russian)	Printed	Textbook. Publishing House "Technical University". Tbilisi.2022 www.gtu.ge	133 pages	J. Nizharadze
72	Use of Plastic Potential in the Theory of Fluidity	Printed	Scientific-Technical Journal "Construction" #4(68), 2023, GTU, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	4 pages	N. Murghulia J. Nizharadze