

Prof. Jumber Nizharadze

##	Title of scientific works	Printed or handwritten	Publishing house magazine (number, year) or number of the author's certificate	Number of printed leaves or pages	Surname of co-author
1	2	3	4	5	6
1	Statement of a plane problem in the theory of elasticity and history of solution by conformal mapping	Printed	Journal of Science and Technology #4-6, Tbilisi, 2006	7 pages	A. Datuashvili
2	Toward a history of classical strength criterions	Printed	Scientific and Technical Journal "Construction" #3, 2006. Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	7 pages	T. Batsikadze, N. Murgulya
3	Inelastic deformations of a thick-walled spherical shell under conditions of constant temperature gradient	Printed	Scientific and Technical Journal "Construction" #2(5), 2007. Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	5 pages	T. Batsikadze, N. Murgulya
4	Bending of a plate with initial curvature beyond the elastic limit	Printed	Scientific and Technical Journal "Construction" #4(1), 2007. Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	8 pages	T. Batsikadze, N. Murgulya
5	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	4p	T. Batsikadze, N. Murgulya
6	Plastic deformations of compound cylinder (in Georgian)	Printed	Scientific and technical magazine "Construction" # 3 (10), GTU, 2008, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	6 p.	T. Batsikadze, N. Murgulya
7	Plane stress state of a rectangular plate (in Georgian)	Printed	Scientific and technical magazine "Construction" # 3 (10), GTU, 2008, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	5 p.	R. Chkoidze D. Bedukadze
8	The study of the bearing capacity of regular polygonal plates (in Russian)	Printed	GEORGIAN ENGINEERING NEWS, No.1 (vol, 49), 2009, Tbilisi, GFID, GEN LTD. gfid@tech.org.ge/gen http://www.mme.net.ge/ge	4 p.	T. Batsikadze, R. Chkoidze
9	Handbook of the strength of Materials (in Georgian)	Printed	Ancillary Manual. Georgian Technical University, 2009, Tbilisi www.gtu.ge	195 p.	T. Batsikadze, A. Buksianidze, N. Murgulya
10	Shrinking of orthotropic cylinders with a predetermined stretch (in Georgian)	Printed	Scientific and technical magazine "Construction" # 1(12), GTU, 2009, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	5 p.	T. Batsikadze, N. Murgulya
11	Calculation of round and annular plates for load capacity (in Georgian)	Printed	Collection of Works of GTU, 4 (474). Publishing house "Technical University" 2009, Tbilisi http://publishhouse.gtu.ge/storage/archit/9/	6 p.	T. Batsikadze

12	Shrinkage stresses in concrete (in Georgian)	Printed	Scientific and technical magazine "Construction" # 4 (15), GTU, 2009 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	5 p.	T. Batsikadze, N. Murgulya
13	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	4 p.	T. Batsikadze, R. Chkoidze
14	Calculation of hollow cylinders with different elastic module 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 www.gtu.ge	8 p.	T. Batsikadze, R. Chkoidze
15	Longitudinal bending of a beam with different elastic moduli for tension and compression (in Georgian).	Printed	Collection of Works of GTU, 4 (478). Publishing house "Technical University" 2010 Tbilisi http://publishhouse.gtu.ge/storage/archit/9/	8 p.	T. Batsikadze, N. Murgulya
16	Load-carrying capacity of a thick-walled, hollow cylindrical shell under the action of external and internal pressure (in Georgian)	Printed	Scientific and technical magazine "Construction" # 4 (19), GTU, 2010 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	5 p.	T. Batsikadze, N. Murgulya
17	Lessons of AUTOCAD-2009	Printed	Methodical instructions for use in computer design of construction by students of the Faculty of Construction, GTU, 2010 Tbilisi www.gtu.ge	38 p.	T. Batsikadze
18	Rotating discs (in Georgian)	Printed	Scientific and technical magazine "Construction" # 2 (21), GTU, 2011 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	8 p.	T. Batsikadze, N. Murgulya
19	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 p.	T. Batsikadze, N. Murgulya
20	Calculation of a plate with a complex contour (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	4 p.	R. Chkoidze
21	Investigation of the stress-strain state of an orthotropic cylinder loaded over the entire surface (in Georgian)	Printed	Scientific and technical magazine "Construction" # 4 (27), GTU, 2012 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	4 p.	T. Batsikadze, N. Murgulya
22	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	4p.	T. Batsikadze, N. Murgulya
23	Dynamics of massive foundations (in Georgian)	Printed	Scientific and technical magazine "Construction" # 2 (29), GTU, 2013, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	5 p.	T. Batsikadze, N. Murgulya

24	Axisymmetric bending of a circular plate with different elastic moduli for tension and compression (in Georgian)	Printed	Scientific and technical magazine "Construction" # 1(32), GTU, 2014, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	9 p.	T. Batsikadze, N. Murgulya
25	On one particular case of an axisymmetric bending of a circular plate of a various modular material (in Russian)	Printed	Scientific and technical magazine "Construction" # 1 (32), GTU, 2014, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	7 p.	T. Batsikadze, N. Murgulya, T. Magradze
26	Solved samples of selected tasks of strength of materials for use in educational (in Georgian)	Printed	Methodical guidelines. Publishing house "Technical University", GTU, 2014 Tbilisi www.gtu.ge	33 p.	T. Batsikadze, N. Murgulya
27	Strength of Materials, part I (in Georgian)	Printed	Textbook. Publishing house "Technical University", GTU, 2014 Tbilisi www.gtu.ge	132 p.	T. Batsikadze
28	Strength of Materials, part II (in Georgian)	Printed	Textbook. Publishing house "Technical University", GTU, 2015 Tbilisi www.gtu.ge	137	T. Batsikadze
29	The derivation of an equation equivalent to the integral-differential equation taking into account the damping of the oscillations (in Georgian)	Printed	Scientific and technical magazine "Construction" # 1 (40), GTU, 2016, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	4p.	T. Batsikadze, N. Murguliya, V. Cokhadze
30	Behavior of foundations for power machines in the resonant zone during the starting mode (in Russian)	Printed	Scientific and technical magazine "Construction" # 1 (40), GTU, 2016, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	4 p.	T. Batsikadze, N. Murguliya, V. Cokhadze
31	On the problem of nonstationary deformation of a composite cylindrical shell (in Georgian)	Printed	Scientific and technical magazine "Construction" # 3 (42), GTU, 2016, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	4 p.	T. Batsikadze, N. Murgulya
32	Basics of the theory of elasticity and plasticity (Part I) (in Russian)	Printed	Textbook. Publishing house "Technical University", GTU, 2017, Tbilisi www.gtu.ge	149 p.	T. Batsikadze
33	N. Namoradze. Short course of Strength of Materials (Part I). Translation from Georgian into Russian (in Russian)	Printed	Ancillary allowance –an updated edition. Publishing house "Technical University", GTU, 2017, Tbilisi www.gtu.ge	102 p.	
34	On the stability of cylindrical shells (in Georgian)	Printed	Scientific and technical magazine "Construction" # 1 (44), GTU, 2017, Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	4p.	T. Batsikadze, N. Murguliya
35	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.	T. Batsikadze, R. Giorgobiani, V. Turashvili
36	N. Namoradze. Short course of Strength of Materials (Part II). Translation from Georgian into Russian (in Russian)	Printed	Ancillary allowance –an updated edition. Publishing house "Technical University", GTU, 2018, Tbilisi www.gtu.ge	93 pages	
37	Journal of laboratory works on Strength of Materials (in English)	Printed	Methodological guidelines. Publishing House "Technical University". Tbilisi. 2019 www.gtu.ge	34 pages	R. Giorgobiani

38	Determination of dynamic characteristics of high-rise buildings (in Georgian)	Printed	Scientific and Technical journal "Construction" #2 (55), GTU, Tbilisi. 2020. http://tinmag@mail.ru http://www.Sheneba.ge	3 pages	T. Batsikadze, M. Kublashvili N. Murguliya
39	Strength of materials. Part I. (in Russian)	Printed	Textbook. Publishing House "Technical University". Tbilisi.2021 www.gtu.ge	128 pages	T. Batsikadze
40	Strength of materials. Part II. (in Russian)	Printed	Textbook. Publishing House "Technical University". Tbilisi.2022 www.gtu.ge	133 pages	T. Batsikadze
41	Determination of the pressure causing the plastic flow of metal (in Georgian)	Printed	Scientific and technical magazine "Construction" # 3(63), GTU, 2022 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	3 pages	T. Batsikadze
42	Derivation of the equation of the current theory using the plastic potential (in Georgian)	Printed	Scientific and technical magazine "Construction" # 4(64),GTU,2022 Tbilisi http://tinmag@mail.ru http://www.Sheneba.ge	3 pages	T. Batsikadze, N. Murguliya
43	Lectures on Strength of Materials (in English)	Printed	The Course of lecture. Publishing House "Technical University. Tbilisi, GTU, 2023. www.gtu.ge	96 pages	
44	Use of Plastic Potential in the Theory of Fluidity	Printed	Scientific-technical journal "Building" #4(68), 2023 http://tinmag@mail.ru http://www.Sheneba.ge	3 pages	T. Batsikadze N. Murguliya
44	Limit Load-Carrying Capacity and Plastic Hinges	Printed	Scientific-technical journal," Building " #4(68), Tbilisi, GTU, 2023 http://tinmag@mail.ru http://www.Sheneba.ge	4 pages	M. Arabidze