Khvicha Iremashvili

List of scientific works –––

№	Scientific work Title	rinted or Handwriting	Publishing house, magazine (number, year) or copyright- The certificate card number	Printed Tabby Or page Sisters How many Ub	Co-author last name
1	2	3	4	5	6
1.	New construction of bank protection and regulatory structures	Printed	Theses of Reportts of the Scientific Conferensce of Professors and Teachers of the Georgian Technical University November, 16-19, 1993 p.98	1	N.Tevdorashvili, M.Gogishvili
2.	Protection of roadbed from erosion on railways and highways of Georgia	Printed	Georgian Technical University. Abstracts of reports of the university scientific and technical conference of young scientists and graduate students, October 25-27, 1994	1	V.Chikhladze
3.	Determination of the permissible train speed on the pass section according to the conditions of curve matching	Printed	Tbilisi Institute of Architecture and Construction. Transactions №2 1996 p.137	1	P.Tsagareishvili
4.	Generalization of the results of the operation of protective structures against erosion of the roadbed on roads passing through mountain gorges.	Printed	Georgian Technical University Transactions №4(415) 1997 p.62-64	3	N.Tevdorashvili, T.Shilakadze, V.Chikhladze.
5.	Longitudinal bank protection structures protect the subgrade from washout.	Printed	Georgian Technical University Transactions №4(415) 1997 p.65-70	6	N.Tevdorashvili, T.Shilakadze, V.Chikhladze.

6.	New efficient designs of longitudinal structures protect the subgrade from washout.	Printed	Georgian Technical University Transactions №4(415) 1997 p.71-78	8	N.Tevdorashvili, T.Shilakadze, V.Chikhladze.
7.	The peculiarities of roadbed arrangement on mountain gorge roads.	Printed	Scientific and technical industry magazine "Transport" No. 3-4, - Tbilisi:2002 p.36-37.	3	_
8.	The peculiarities of roadbed construction at steep slopes and river valleys.	Printed	Scientific and technical industry magazine "Transport" No. 3-4, Tbilisi:2002 p.38-39.	3	_
9.	Use of phase transformations in transport media.	Printed	Scientific and technical industry magazine "Transport" No. 3-4, Tbilisi:2006 p.26-29.	3	A.Bichinashvili, E.Zeragia, K.Gorgadze.
10.	Regulation of river flow to protect road structures from washout.	Printed	Scientific and technical industry magazine "Transport" No. 4(28), - Tbilisi:2007 p.19-24.	5	N.Tevdorashvili
11.	Interaction of the edge-defending buildings and current processes in the riverbed.	Printed	Scientific-Technikal Journal „Transport And Machinebuilding" №3 2007 p.53-58.	5	N.Tevdorashvili
12.	Coast-protecting structures and jitties on the roads going through mountain gorges.	Printed	Scientific-Technikal Journal „Transport And Machinebuilding" №2 2008 p.123-131.	8	N.Tevdorashvili
13.	Organization and planning of railway construction.	Printed	Tutorial. Publishing house "Technical University". 2008	95	N.Tevdorashvili
14.	Definition of basic parameters of caused by progressive wave loadings on coast-protecting structures.	Printed	Scientific-Technikal Journal „Transport And Machinebuilding" №2(18) 2010 p.64-68.	5	_

15.	Determination of water dynamic effect on coast- protecting structures in earthquake.	Printed	Scientific and technical industry magazine "Transport" No. 1-2 (37-38), 2010 p.14-18.	5	_
16.	Classification of coastal structures and their impact on the efficiency of the railway work.	Printed	Scientific-Technical Journal „Transport and Machinebuilding " №2 (24) 2012 p. 68-74.	7	_
17.	Providing sustainability of the land plots on railways working in hard conditions.	Printed	Scientific-Technical Journal „Transport and Machinebuilding " №2 (26) 2013 p.110-115.	6	_
18.	The features of the construction of coastal structures on roads leading to the mountain river valleys.	Printed	Scientific-Technical journal „Construction"№2 (29), 2013 p. 93-98.	5	_
19.	The characteristic charact- eristics of the shoreline structures and their causes.	Printed	Scientific-Technical journal „Construction"№1(32),2013 p. 32-34.	4	_
20.	Effective equipment protecting the protection of coastal structures.	Printed	Scientific-Technical journal „Construction"№2(33),2014 p. 75-78.	4	_
21.	ON RESERCH ASPECTS OF A NEW-TYPE FLOATING WAVE DAMPING HYDRO-TECHNICAL COMPLEX FOR PROTECTION OF COASTAL LINE AND OPEN PORSTS FROM STORM WAVES.	Printed	4th International Scientific and Technical Conference „Water Management, Environmental Protection, Architecture and Construction Co-Problems" 27-30 September, 2014 P.102-106.	5	T.Gvelesiani, Z.Tsikhelashvili, G. Berdzenashvili, M. Kodua.
22.	The technique of fast prediction of the length of a progressive wave on water under the action of a wave-product.	Printed	Scientific-Technical journal „Construction"№4(35),2014 p. 48-51.	4	T.Gvelesiani
23.	ABOUT THE METHOD FOR ASSESSMENT OF PARAMETERS OF GENERATED PROGRESSIVE WATER WAVES.	Printed	85th Anniversary of the Waterworks Institute of Scientific Works №69 2014 p.58-60.	4	T.Gvelesiani, G.Jinjikhashvili.

24.	The influence of the bank protection structure on the flow characteristics is given by the river.	Printed	85th Anniversary of the Waterworks Institute of Scientific Works №69 2014 p.61-65.	4	T.Gvelesiani, G.Berdzenashvili.
25.	Mathematical modeling is the action of a coastal structure, which is located in the channel of a mountain river, for the spread of alluvial deposits and small landslide masses.	Printed	V International Scientific-Technical Conference „Water Management, Environmental Protection, Architecture and Construction Co-Problems" 16-19 July, 2015 P.9-12.	4	A.Akhmedov
26.	Method of implementation of mathematical modeling of valve vibration (damper).	Printed	V International Scientific-Technical Conference „Water Management, Environmental Protection, Architecture and Construction Co-Problems" 16-19 July, 2015 P.40-44.	5	T.Gvelesiani, Z.Tsikhelashvili, G. Berdzenashvili.
27.	RIVER FLOW VELOCITIES DISTRIBUTION AT THE TRANSVERSAL COST-PROTECTING STRUCTURE ZONE.	Printed	V International Scientific-Technical Conference „Water Management, Environmental Protection, Architecture and Construction Co-Problems" 16-19 July, 2015 P.40-44.	4	T.Gvelesiani, G. Berdzenashvili, A.Akhmedov.
28.	Numeric modeling of one-dimensional (1D) waveform process caused by the flow of mudflow in difficult terrain.	Printed	Scientific-Technical journal „Construction"№4(39),2015 p. 51-54.	4	G. Berdzenashvili, G.Jinjikhashvili.
29.	Numeric modeling of two-mile mudflow (2D) in the mining deep reservoir with the angled bottom.	Printed	Scientific-Technical journal „Construction"№4(39),2015 p. 140-143.	4	G. Berdzenashvili, G.Jinjikhashvili.
30.	Methods of calculation of excitation characteristics in mining water reservoirs according to the results obtained by removing the boundary tasks of the theory of small-wavelength waves.	Printed	VI International scientific and technical conference "Modern Problems of Water Management, Environmen-tal Protection, Architecture and construction" Septemb-er 22-25, 2016 P.90-94.	5	G. Berdzenashvili

31.	Methods for assessing and predicting the risks of degradation of the land dam during the flood waters in the mining deep reservoir.	Printed	VI International scientific and technical conference "Modern Problems of Water Management, Environmen-tal Protection, Architecture and construction" Septemb-er 22-25, 2016 P.95-99.	5	G. Berdzenashvili
32.	Methods of the flow of water flow into the mining deep water reservoir using an analytical solution of the theory of equations of small amplitude waves.	Printed	Scientific-technical journal „Energy"№3 (79), 2016 p. 14-18.	5	T. Gvelesiani, G. Berdzenashvili, G. Nadaraia.
33.	Impact of the length of the protective structures (define) protecting the land from the wakis.	Printed	Scientific-Technical Journal „Transport and Machinebuild-ing " №2 (39) 2017 p.181-187.	7	G. Berdzenashvili, A.Akhmedov.
34.	Numerical modeling of the three-dimensional (3D) boundary task of mudflows in the mining watershed reservoir.	Printed	Scientific-Technical journal „Construction"№3(46),2017 p. 27-30.	4	G. Berdzenashvili
35.	Numerical modeling of the three-dimensional (3D) boundary task of the mudflow infiltration in the lower biosphere flooded with the main bridge.	Printed	Scientific-Technical journal „Construction"№3(46),2017 p. 69-72.	4	G. Berdzenashvili
36.	Development of a methodo-logy for determining dynamic impacts of water to operating in extreme conditions the pro-tective structure of the earth fill from wash-out.	Printed	VIIII International scientific and technical conference „Modern Problems of Water Management, Environmen-tal Protection, Architecture and construction" Novem-ber 1-5, 2018 P.128-132.	5	G. Berdzenashvili

37.	Methodology for assessing the risk of rupture caused by river bank flooding or earth dam spill using one-dimensional (1D) unequal flow equations.	Printed	Scientific-Technical Journal „Transport and Machinebuilding " №3 (46) 2019 p.79-83.	5	G. Berdzenashvili
38.	Determination of duration maximum wave overflow on the dam and other characteristics without reflection the wave from the dam.	Printed	X International scientific and technical conference „Modern Problems of Water Management, Environmental Protection, Architecture and construction" july 25-27, 2021 P.79-84.	6	G. Berdzenashvili
39.	Examples and methods for calculating the impact of flood waveguide structures based on the numererical solution of three-dimensional (3D) boundary value problems.	Printed	Tsotne Mirtskhulava Water Management Institute of Georgian Technikal University. Collected papers №75. Tbilisi – 2022 p.117-121.	5	G. Berdzenashvili, G.Tsivilashvili.
40.	FORMULATION OF A THREE-DIMENSIONAL (3D) BOUNDARY PROBLEM OF AN UNSTEADY WAVE PROCESS GENERATED IN THE SCHEMATIZED WATER RESERVOIR AND ANALYTICAL SOLUTIONS USING THE FINITE INTEGRAL TRANSFORM TECHN- IQUE.	Printed	International Scientific Journal ISJ Theoretical & Applied Science Philadelphia, USA issue 02, volume 118 published February 28, 2023. Fag.553-557. p-ISSN: 2308-4944 (print) e-ISSN: 2409-0085 (online)	5	G. Berdzenashvil, G. Tsivilashvili, M. Shishinashvili.
41.	Numerical modeling of flood inflow into a reservoir using a two-dimensional(2) solution.	Printed	The 2nd forum dedicated to World Water Dey. 2023 22march p.158-163.	5	G. Berdzenashvili, G.Tsivilashvili.
42.	Methods of Calculating the Impact of Flood Wave Suppression on the Structure Based on the Numerical Solution of Two-Dimensional (2D) Boundary Problems.	Printed	FROM A SERIES OF MONOGRAPHS "ECOLOGY OF THE ENVIRONMENT" EUROPEAN INNOVATI - VE TECHNOLOGIES IN ENVIRONMENTAL ENGINEERING. Tbilisi – 2023 p.233-239.	7	G. Berdzenashvili

43.	Output-Based Performance Road Contract (OPRC) Management and Strategy.	Printed	FROM A SERIES OF MONOGRAPHS "ECOLOGY OF THE ENVIRONMENT" EUROPEAN INNOVATIVE TECHNOLOGIES IN ENVIRONMENTAL ENGINEERING. Tbilisi – 2023 p.334-344.	11	P.Nadirashvili, N.Rurua.
44.	Studying the structure of the road pavement and specifying the repair method.	Printed	Works, N2 (532) Georgian Technical University, Publishing house ,,Technical University", Tbilisi 2024, pg 252-259.	8	P.Nadirashvili, N.Rurua.
45.	Mathematical modeling of torrent inflow into a reservoir using the numerical solution of the two-dimentional (2D) equation of small-amplitude wave theory.	Printed	XI international scientific and technical conference ,,modern problems of water management, environmental protection, architecture and construction", collected papers. 12-16 july, 2024	7	G. Berdzenashvili, P.Nadirashvili.
46.	Shear strain resistant semi-rigid road pavements	Printed	Science and Technologies, scientific review magazine, N1 (744), Tbilis 2024, p46-51.	5	P.Nadirashvili
47.	Example of the flood modeling caused by failure of the earth dam and the parameters dependence graphs on time.	Printed	The 3rd forum dedicated to world water day, Tbilisi 2024, p.100-110.	11	G. Berdzenashvili, P.Nadirashvili.

Author: / Kh. Iremashvili /

Head of the Department: / N.Rurua/