

THE LIST OF SCIENTIFIC PAPERS (WORKS)

(up to 2019)

David Gurgenidze

N	The name of scientific works	Printed or handwriting	Publisher, Journal (N, year,) or copywriter N	Pages N	The name of Co-author
1	2	3	4	5	6
1.	Atomic force and scanned microscopy of biological objects in water	Printed	“Cern-kurieri” journal and 1998 Symposium materials. 1998	0,3	A. Suvorov, .L. Klimiashvili
2	New physical methods of water virusology control	Printed	International scientific – technical conference “ Problems of technological processes and devises. 05.05.2000	0.1	A. Suvorov
3	Modification of field electronic emission and management of relief surface of conductive materials	Printed	Materials of diagnostics and modelling. 5 th international conference. Tomsk 20-24.09.2000	0.3	A. Suvorov
4	The phenomenon of advective diffusion when water flows are polluted	Printed	Georgian Engineering News N2 Tbilisi. 2005	0.15	D. Namgaladze
5	The possibility of determining the trajectory of the oil jet	Printed	Georgian Engineering News N2 Tbilisi. 2005	0.2	
6	The process of moving the impurity mass into the aquatic environment by considering the molecular diffusion and advection process	Printed	Energy N2 Tbilisi 2005	0.3	D. Namgaladze

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7	Selection of optimal timing for diagnosis and control of underwater crossings of main oil pipelines	Printed	Energy N2 Tbilisi 2005	0.3	
8	Filtrating flow in ground between two rivers, during the main oil pipeline accident in case of variable power load in time	Printed	Georgian Oil and Gas N16 Tbilisi 2006	0.25	D. Namgaladze
9	Optimal layout of efferent pump of energetic system pipelines	Printed	Georgian Engineering News N2 Tbilisi. 2006	0.25	D. Namgaladze
10	Hydraulic test of pipeline area in case jump increase of pressure in initial cross section and considering local member	Printed	Periodic scientific journal "Intelekti" 1 (24). Tbilisi 2006 pp. 66-69	0.15	I. Lomidze
11	Oil accidental spill method of liquidation in case of accidents on underwater oil pipeline crossing	Printed	Energi N1 (37) Tbilisi, 2006	2.25	
12	Hydro ecology aspects of energetic objects	Printed	Monography "Technical University" Tbilisi, 2006	7,5	D. Namgaladze
13	Investigation on growing shallow of solid particles through remote hydro	Printed	13 th International conference on transport and sedimentation of solid particles . 15-20 September 2006, Tbilisi, Georgia. pp.216-225	0.6	D. Namgaladze I. Lomidze

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14	Ecological protection of Energetical object	Printed	Monography "Technical University" Tbilisi, 2006	11.0	D. Namgaladze
15	Prognosis of flow process on the underwater crossings of main oil pipeline	Printed	Energy N1 Tbilisi 2006	0.2	
16	Determination of maximum concentration during gas slosh from the main gas pipeline	Printed	Energy N3 (39) Tbilisi 2006	0.25	D. Namgaladze
17	On changes in the concentration of components in a contaminated spot when oil is spilled in a river	Printed	Energy N3 (39) Tbilisi 2006	0.25	D. Namgaladze
18	Definition of security characteristics of the main underwater pipeline of energetic system	Printed	Georgian Engineering News N1 Tbilisi. 2006	0.15	
19	Definition of trajectory of oil jet spilled in an estuary during accidents of energy transportation means.	Printed	Georgian Engineering News N1 Tbilisi. 2006	0.15	
20	Definition of residual operating time of an element of energetic object during allotment Baibulla	Printed	Georgian Engineering News N3 Tbilisi. 2007	0.25	D. Namgaladze
21	Application of theory of disasters for definition of critical Reynolds numbers during moving of dispersed medium	Printed	Georgian Engineering News N1 Tbilisi. 2007	0.25	D. Namgaladze
22	Numerical solution of equations describing transient pressure movement of solution with use of a Dufert Frankel scheme	Printed	Georgian Engineering News N1 Tbilisi. 2007	0,15	
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23	Readiness coefficient of energetic objects upon distribution time recovery according to Erlang law	Printed	Georgian Engineering News N3 Tbilisi. 2007	0.25	D. Namgaladze
24	Water supply and drainage system basics (guide-books)	Printed	Technical University Tbilisi 2009	13,9	N. Natsvlishvili, L.Klimiashvil; M. Natsvlishvili
25	Water purification methods basics in industrial water supply	Printed	Technical University Tbilisi 2009	0,2	N. Kiknadze M. Natsvlishvili L.Klimiashvil;
26	Water supply and drainage system basics / second revised edition	Printed	Technical University Tbilisi 2012	13.9	N. Natsvlishvili, L.Klimiashvil; M. Natsvlishvili
27	The issues of jet tunnel rehabilitation of Enguri HES	Printed	Geodynamic researches of Big dams	5	
28	Definition of pipe diameter parameters considering jet concentration	Printed	“Hydro Engineering” N 1-2 (17-18) Tbilisi GTU 2013	0.1	I. Inashvili I. Klimiashvili
29	Integral features of watercourse bandwidth	Printed	“Hydro Engineering” N 1-2 (15-16) Tbilisi GTU 2014	0.2	D. Gubeladze N. Natsvlishvili
30	Transit flow movement regularity in rivers	Printed	“Hydro Engineering” N 1-1 (19-20) Tbilisi GTU 2015	0.2	D. Gubeladze N. Natsvlishvili
31	Peculiarity of watercourse processes	Printed	“Hydro Engineering” N 1-1 (19-20) Tbilisi GTU 2015	0.2	D. Gubeladze I. kruashvili
32	About building experimental systems	Printed	“Hydro Engineering” N 1-1 (19-20) Tbilisi GTU 2015	0.2	N. Natsvlishvili
33	Tendencies of high density concrete	Printed	Scientific –technical journal “Mshenebloba” N1 (40) 2016	4	A. Chikhovani
33	Tendencies of high density concrete	Printed	Scientific –technical journal “Mshenebloba N 2 (41) 2016	0.3	A. Chikhovani
34	Reinforced concrete high-rise buildings and their seismicity. existed calculation problems	Printed	Scientific –technical journal “Mshenebloba” N3 (42) 2016	4	L. Kakhiani M. Suladze

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35	Concrete technical norms in compliance with European	Printed	Scientific –technical journal “Mshenebloba” N3 (42) 2016	0.2	L. Klimiashvili A. Chikhovani
36	Possibility of wastewater complete biological cleaning on the basis of “the best convenient technologies	Printed	Scientific –technical journal “Mshenebloba” N4 (43) 2016	6	L. Klimiashvili N. Nebieridze
37	Seismic construction norms in various countries and their critical evaluation	Printed	Scientific –technical journal “Mshenebloba” N4 (43) 2016	5	L. Kakhiani L. Balanchivadze M. Suladze
38	Self-tightening concrete	Printed	Scientific –technical journal “Mshenebloba” N4 (43) 2016	8	L. Klimiashvili A. Chikhovani
39	Concrete firmness uniformity	Printed	GTU collection of scientific works 2017	7	A. Chikhovani
40	Chemical and Physical aspects of concrete additives	Printed	Scientific –technical journal “Mshenebloba” N2(82) 2017	11	L. Klimiashvili A. Chikhovani
41	Concrete on modified gypsum binders	Printed	Scientific –technical journal “Mshenebloba” N1(44) 2017	5	A. Chikhovani
42	“Georgia our values” famous Georgian engineers’ life and activity	Printed	Publish House “Technical University” Tbilisi 2016	p. 279	Metropolitan Anania Djaparidze, A. Prangishvili, Z. Gasitashvili and etc.
43	Georgia our values. Golden book of Georgian engineering	Printed	Publish House “Technical University” Tbilisi 2016	p.366	Metropolitan Anania Djaparidze, A. Prangishvili, Z. Gasitashvili and etc.
44	Concrete impermeability	Printed	Scientific –technical journal “Energia” N2(82) 2017	0.3	L. Klimiashvili A. Chikhovani

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45	Restoring of concrete and reinforced concrete structure	Printed	Scientific –Technical journal “Mshenebloba” N1(44) 2017	0.3	L. Klimiashvili A. Chikhovani
46	Analysis of the Ortachalash coastal zone seepage regime	Printed	Scientific –Technical journal “Hydroengineering” N-1-2(23-24) Tbilisi GTU 2017	10	L. Klimiashvili M. Kalabegishvili
47	Radiation protective composed materials	Printed	Journal “Hydroengineering” N-1-2(23-24) Tbilisi GTU 2017	12	L. Klimiashvili A. Chikhovani
48	Concrete technological requirements, methods of testing in consideration with European construction norms	Printed	GTU Tbilisi 2017	160	L. Klimiashvili A. Chikhovani
49	Knowledge of construction material guide-book)	Printed	GTU Tbilisi 2017	104	L. Klimiashvili A. Chikhovani
50	Reinforced concrete high-rise carcass buildings and existed problems of calculation on seismicity	Printed	Scientific –Technical journal “Mshenebloba” N1(44) 2017	4	L. Kakhiani M. Suladze
51	Technical norms of concrete in compliance with European norms	Printed	Scientific –Technical journal “Mshenebloba” N1(44) 2017	7	L. Klimiashvili A. Chikhovani
52	Concretes, technical requirements, testing methods in compliance with European construction norms	Printed	GTU. Tbilisi 2017	102	L. Klimiashvili A. Chikhovani
53	Ilia Vekua, Alexi Gorgidze 110	Printed	GTU. Tbilisi 2017	76	D Gorgidze
54	Knowledge of architectural materials	Printed	GTU. Tbilisi 2018	247	L. Klimiashvili A. Chikhovani
55	Development of effective methods for organization of minor water cycle	Printed	Scientific-Technical journal Hydroengineering N1-2 (25-26). 2018	8	L. Klimiashvili A. Bagration-Davitashvili P. Kervalishvili A. Bakhtiari T. Berberashvili

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56	Influence of particles' forms on hydraulic thickness during mechanical cleansing of wastewater	Printed	Scientific-Technical journal Hydroengineering N1-2 (25-26). 2018	7	Z. Gvishiani Z. Tcintcadze S. Bukia
57	Chemical and physical aspects of concrete additive	Printed	Scientific-Technical journal Hydroengineering N1-2 (25-26). 2018	11	L. Klimiashvili A. Chikhovani
58	Bending of geometrically nonlinear shell with cut reinforced by Rib	Printed	Wuham university of technology	5	G. Kipiani
59	Construction encyclopedic dictionary	Printed	Tbilisi GTU 2019	3000	T.Khmeidze L. Klimiashvili K. Khmeldze
60	Reliability indicators of elements of the water supply system	Printed	Tbilisi GTU 2019	13	L. Klimiashvili M.Nanitashvili L. Gogoberidze
61	Reliability indicators of elements of water pump station	Printed	Tbilisi GTU 2019	18	L. Klimiashvili M.Nanitashvili
62	Cross-border rivers: problems and solutions	Printed	Tbilisi GTU 2019	14	L. Klimiashvili Z. Megrelshvili
63	Ecological safety of natural water sources and methods for acceptance quantitative indicators	Printed	Tbilisi GTU 2019	13	