

## List of scientific works

Robert Diakonidze

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Full name

#	Title of scientific work	Printed/ manuscript	Publisher, Journal(N/Y),number of copyright certificate	pages	coauthor
1	2	3	4	5	6
1	Assessment of average floating sediments in the unstudied channels of the East Georgia (In Russian)	printed	Collected Papers of Transcaucasian Research Hydrometeorological Institute, Leningrad, volume 31 (37),1973	p.p. 72-77	
2	One of the methods to assess quantity of floating sediments in the unstudied sections of the Black Sea basin (In Russian).Erosion and Debris flow Processes and Scour Protection.	printed	Collected Papers of Institute of Hydrotechnics and Irrigation of Georgia, volume 6, Tbilisi,1978	p.p. 47-49	
3	Methods to determine floating sediments of unstudied river-catchment basins of Georgia (In Russian).Erosion and Scour Processes and Scour Protection	printed	Collected Papers of Institute of Hydrotechnics and Irrigation of Georgia, 7, Tbilisi, 1980	p.p. 34-40	

4	Debris-Flow Protection Facility	printed	<b>Patent # 1625937</b> Committee of Inventions and Discoveries of the Soviet Union, 1980		
5	Annual variation of Floating Sediments of the Rivers of Georgia (In Russian).	printed	"Moambe" of the Academy of Science of Georgia, vol. 103, No 1, Tbilisi, 1981	p.p 31-34	
6	Variations in Long-Term Average Discharge of Floating sediments in Kolkheti Lowland (In Russian). Irrigation of Damp Subtropical Soils of Kolkheti.	printed	Collected Papers of the Institute of Hydrotechnics and Irrigation of Georgia, Tbilisi, 1981	p.p. 93-96	
7	"Methodological recommendations for the regulation of water intakes and watercourses of the Kolkheti lowland drying network and the strengthening of their bed."	printed	<b>Methodical recommendations</b>  Tbilisi, 1982.	47p.	R. Diakonidze
8	Forecasting of Water, Debris and Sediments Discharge by the Right Tributary of the Chkherimela River (In Russian). Soil Erosion, Debris Flows and Protection Methods.	printed	Collected Papers of Scientific Institute of Hydrotechnics and Irrigation of Georgia, Tbilisi, 1985	p.p. 48-55	
9	Observation Results of Debris Flows passed in the Tetri Aragvie	printed	Irrigation Issues for Mountain and Submountain Regions. Collected Papers of Scientific Institute of Hydrotechnics and Irrigation of Georgia, Tbilisi,	p.p. 127-134	V. Tevzadze

	River (1982) along the Georgian Military Road (In Russian). Irrigation Issues for Mountain and Submountain Regions.		1988		
10	Calculation of Maximum Discharges of Flows and Turbulent Debris-Flows on the Water Courses of Derbis-Flows Character	printed	Water Management Institute and Engineering Ecology of the Georgian Academy of Sciences. Collected papers, Tbilisi, 1999	p.p. 33-35	
11	Efficient metod of determinacion of discharge of debris flow. (on the example of the rivers of Adjara)	printed	Institute of Water managment and Engineering Ekcology of Georgia Academy of sciences,collected papers, Tbilisi, 2001	p.p.46 -49	
12	Global Ecology of a Planet and a Person	printed	Ministry of Education of Georgia. Georgian State Agrarian University. Georgian State University of Subtropical Farming. Is published 4 volumes per year. The problems of agrarian science. Scientific works, XXXIII, Tbilisi, 2005	p.p. 153- 57	B.Diakonidze
13	Quality of Water Resources of the riv. Aragvi Pool on a Background Natural-and Anthropogenic Factors	printed	Ministry of Education of Georgia. Georgian State Agrarian University. Georgian State University of Subtropical Farming. Is published 4 volumes per year. The problems of agrarian science. Scientific works, XXXIII, Tbilisi, 2005	p.p. 146- 153	G. Chakhaia, L.Tsulukidze. Zh..Mamasakhlisi
14	Ecological problems of the environment (Mudflow	printed	Institute of Water Management and Engineering Ecology of the Georgian	p.p. 24-31	

	phenomena and their prediction)		Academy of Sciences. Collected papers, Tbilisi, 2005		
15	Global warming of the planet and mudflows.	printed	Institute of Water Management and Engineering Ecology of the Georgian Academy of Sciences. Collected papers, Tbilisi, 2005	p.p. 21-23.	
16	Elemental phenomena, ecological catastrophes and environment changes against the background of global warming.	printed	Ivane Javakhishvili Tbilisi State University, Department of Geography of Georgia, "Geography of Georgia". Tbilisi state university press, Tbilisi, 2006,	p.p. 82-85.	B. Diakonidze
17	Investigation of Erosional and mudflow phenomena through the use of aerospace information.	printed	Georgian institute of water management, Collected papers #63, Tbilisi, 2007	p.p. 46-53	R. Diakonidze
18	Protection of the quality of water resources in mudflow regions.	printed	Georgian institute of water management, Collected papers, #63, Tbilisi, 2007	p.p. 40-45	
19	Environmental Problems of Black Sea and the Georgian Sea Coast Against Global Warming	printed	Georgian State Agrarian University. Collection of scientific works, Vol. 1 #2(43), Tbilisi, 2008	p.p. 80-84	G. Caxaia., L. TsulukiZe, Zh. Masaxlisi.
20	The Planet Climate change and the Hydro-Ecological Problems of Environment.	printed	Magazine «Ecological systems and devices», a society of limited liability, publishing house, «Scientifically technical publishing house», #9, Moscow, 2008	p.p. 45-47	I. Khubulava, Kh. Kiknadze, F. Lortkhifanidze, M. Navrozashvili, K. Dadiani,
21	Preliminary re-environmental survey of the landslide area locations in the village Mtisdziri, the Wani	printed	Ministry of Education and Sciences of Georgia. LEPT Institute of Hydrogeology and Engineering Geology, Tbilisi, 2009	p.p. 116-127	R. Diakonidze

22	Assessment of Ecochemical Situation of the Trbutaries of the Mtkvari river Within Tbilisi Area	printed	Water Management Institute. Collected papers #64, Tbilisi, 2009,	p.p. 71-76	I.Fircxalaishvili
23	Empirical dependences of rolling (bottom) and solid sediments in the catchment basins of the rivers of Georgia	printed	Water Management Institute. Collected papers #64, Tbilisi, 2009	p.p. 77-81	G. Chakhaia, L. Tsulukidze
24	Prediction of erosion processes and debris-flows in the basin of the Tskhenistskali River	printed	Water Management Institute. Collected papers #64, Tbilisi 2009	p.p. 228-231	R. Diakonidze, L. Tsulukidze, F. Lortkipanidze
25	The estimation of the Runoff of bottom and direct Runoff sediments of the Rivers in East Georgia	printed	Annals of Agrarian Science Vol. 7, #3. Tbilisi, 2009	p.p. 91-93	G. Chakhaia, L. Tsulukidze, Zh.Mamasakhlisi
26	Estimation of the ecological condition of "Traseca" transport corridors on the example of tsipa-kharagauli section of the trunk railway of Georgia	printed	Proceeding of Iv. Javakhishvili Tbilisi State University #363, Tbilisi 2010	p.p.44-52	R. Diakonidze, T. Supatashvili, F. Lortkipanidze, N. Labartyava
27	Measures of Combting Erosioal Processes Occurring on Mountain Slopes.	printed	Collected papers of Water Management Institute. #65, Tbilisi, 2010	p.p. 244-248	R. Diakonidze, Z. Varazashvili

28	Investigation of the Channel Processes of the river Aragvi from the Zhinvali Earth-dam to its falling into the river Mtkvari	printed	Collected papers of Institute of Water Management. #65, Tbilisi 2010	p.p. 31-41	R. Diakonidze, G.Chakhai
29	The estimation hydrodivisional knots on the river Rioni near by city Poti modern technical state	printed	Monthly scientific-Reviewed magazine of Georgian National Academy of Science, "Science and Technologies" #7-9, Tbilisi, 2010	p.p. 49-55	P. Sichinava, G. Chakhiaia, L. Tsulukidze
30	The provisional recommendations for the hydrodivisional knot on the River Rioni on the 7-th km from city Poti	printed	Monthly scientific-Reviewed magazine of Georgian National Academy of Science, "Science and Technologies" #10-12, Tbilisi 2010	p.p. 71-76	
31	Protection of the ecological security of the Black Seashore from marine abrasive processes through regulation of sedimentary runoff	printed	Scientific-Technical Journal "HydroEngineering" of Georgian Technical University. #1, #1-2 (11-12) Tbilisi 2011	p.p. 55-65	G. Chakiaia, L.Tsulukidze
32	Implementation of rockfall against measures for road and rail corridors of Georgia with modern technology	printed	„Energy”, #4(60), Tbilisi. 2011	p.p. 73-78	R.Diakonidze
33	The Laboratory Research of soil Erosion Against Geo mat „Nesfile“ and „Nesgeo“	printed	Collected papers of Water Management Institute of Georgian Technical University, # 67, Tbilisi 2012	p.p. 203-208	Sh. Bosikachvili, Z. Varazashvili, R. Diakonidze

34	Step barrage against debris flow	printed	National Intellectual Property Center of Georgia (Patent P 5489), 2012		
35	The recommendation of ecological safety of Black Sea coastal zone from marine waves impact	printed	Collected papers of Water Management Institute of Georgian Technical University. # 67. Tbilisi. 2012	p.p. 45-48.	G.Chakhaia L.Tsulukidze, Z.Varazashvili, P.Sichinava, I. Khubulava, G.Omsarashvili
36	Evaluation of the Impact of Substances Secreted from the Decomposition of Corpse Buried at Cemeteries on Fresh Water Resources, Specifically on the Quality of Potable Water	printed	Georgia International Journal of Science and Technology. New York, v. 5, # 1/2, 2013	p.p.21-25.	T.Supatashvili , M.Shavlakadze Sh. Kupreishvili F.Lortkipanidze
37	Planet Water Resources, Global Ecology Problems and Role of Human Being in Solving These Problems	printed	Georgia International Journal of Science and Technology New York, v. 5, # 1/2, 2013	p.p. 27-33	G.Chakhaia L.Tsulukidze ,T.Supatashvili Sh.Kupreishvili
38	The Ecological Problems of Tbilisi Sea and Measures of their Prevention. Ministry of Education and Science of Georgia	printed	Water Management Institute of Georgia Georgian Technical University. Collected Papers #68,2013	p.p. 57-63	G.Chakhaia , L.Tsulukidze
39	The Evaluation of Draught type debris flow against construction	printed	Ministry of Education and Science of Georgia. Water Management Institute of Georgia Georgian Technical University. Collected Papers #68, 2013	p.p. 200-203	R.Diakonidze, L.Tsulukidze, Z.Varazashvili, P.Sichinava, I. Khubulava, G.Omsarashvili

40	Treatment of Evaluation Criteria of Risks and sensitive of ecological problems caused by disasters, their use for problems prevention	printed	Ministry of Education and Science of Georgia Georgian. Ts. Mirtskhulava Water Management Institute of Georgian Technical University. Collected Papers #69. 2014	p.p. 78-83	Kharaishvili O., Charbadze Z., Dadiani K., Nibladze N., Sukhishvili N., Lortkifanidze F.
41	The Results of field-experimental research implemented in the burnt basin of Borjomi 2013-2014	printed	Ministry of Education and Science of Georgia Georgian. Ts. Mirtskhulava Water Management Institute of Georgian Technical University. Collected Papers #69. 2014	p.p.29 2 - 297	Gavardashvili G., Varazashvili Z., Bosikashvili Sh., Diakonidze R., Tsulukidze L., Khubulava I., Omsarashvili G.
42	Assessment and analysis of national hazards in the riverbed of river Vere in 13-14 June, 2015 and efficient measures of hazards regulation	printed	Ts. Mirtskhulava Water Management Institute of Georgian Technical University. Collected Papers #70. 2015	p.p. 184-187	R.diakonidze
43	Ecological Problems of the Black Sea by the Example of the Territorial Waters of Georgia	printed	Georgian Engineering News, #4, 2015	p.p. 78-80.	
44	Protection of city Tbilisi from predictable natural disasters on the example of the river Vere	printed	Ts. Mirtskhulava Water Management Institute of Georgian Technical University. Collected Papers #70. 2015	p.p. 50-55.	
45	Individual features of the watershed landscape and the possibility of the use of regional	printed	Ts. Mirtskhulava Water Management Institute of Georgian Technical University. Collected Papers #71. 2016	p.p. 123-125.	Panchulidze J., Shavlakadze M., Nibladze N., Charbadze Z., Dadiani K., Diakonidze B.



	meteorological information for the calculation of the maximum water flow				
46	Grille type of debris flow against construction	printed	Georgian patent 2016		
47	Through a type of debris flow against construction	printed	Georgian patent 2016		
48	Evaluation of the quality of water of the Black Sea and the rivers flowing into it within Georgia	printed	Ts. Mirtskhulava Water Management Institute of Georgian Technical University. Collected Papers #71. 2016	p.p.27-31.	Shengelia E., Gavardashvili G., Chakhaia G., Tsulukidze L., Supatashvili T., Diakonidze B.
49	Assesment of Debris Flow Influence on the Lattice Type Debris Flow against Construction	printed	Basic and Applied Research (IJSBAR). ISSN 2307-4531 (Print & Online) <a href="http://gssrr.org/index.php?journal=JournalOfBasicAndApplied">http://gssrr.org/index.php?journal=JournalOfBasicAndApplied</a> . Impact Factor 0,415, USA, 2016		N.Kvashilava, R.Diakonidze, L. Tsulukidze, Z.Lobzhanidze, Sh. Kupreishvili, T.Supatashvili, I.Khubulava
50	The Evaluation of Debris Flows Influence on the Pass through Type Debris Flow against Construction	printed	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS) ISSN (Print) 2313-4410, ISSN (Online) 2313-4402 © Global Society of Scientific Research and Researchers. <b>Impact Factor 0,296, USA, 2016.</b>	p.p 224-234	E. Kukhalashvili, R.Diakonidze, N.Kvashilava, L. Tsulukidze, Sh.Kupreishvili,T. Supatashvili, I.Khubulava
51	“Short Description of the black sea resorts; evaluation of the water quality in the black sea and the rivers running into it”	printed	<b>Monograph</b> ,Tbilisi, 2016	39 p.	E.Shengelia, G.Gavardashvili, G. Chakhaia, L. Tsulukidze, Z.Varazashvili, T.Supatashvili, B.Diakonidze

52	Methodological recommendations for the regulation of water intakes and watercourses of the Kolkheti lowland drying network and the strengthening of their bed	printed	<b>Methodical recommendations,</b>  Ministry of Education and Science of Georgia, Georgian Technical University, Kavkasia Publishing House, 2016	81 p.	R. Diakonidze, Sh. Kupreishvili, L. Maisaia, Kh. Kiknadze, E. Khosroshvili.
53	Assessing the Vulnerability of Sensitive Areas Due to Ecocide in Borjomi Gorge in 2008 and Developing an Effective Strategy against Soil Degradation		<b>Monograph,</b> Tbilisi, Universal Publishing House, 2016	73 p.	Z. Varazashvili, G. Gavardashvili, R. Diakonidze, L. Tsulukidze, N. Kvashilava, I. Khubulava, T. Supatashvili
54	The Protection of Settlements from the Floods and Debris Flow (On the example of tragedy in Tbilisi on 13-14 June of 2015)	printed	Meteorology Hydrology and Water Manegment. Warszawa, Poland; 2017	p.p. 31-41.	T.Supatashvili, B.Diakonidze, L.Ioseliani, A.Getashvili, Z.Laoshvili.
55	Method of Rounof Coefficient of Accounting Based on Soil Morphological Factors of Catchement Waters	printed	Tsotne Mirtskhulava Water Management Institute of Tbilisi, Georgia, #72, 2017	p.p. 159-161	R. Diakonidze, Z. Charbadze, M. Shavlakadze, K.Dadiani, N.Nibladz, B.Diakonidze
56	The General Assessmet of Black Sea Ecological Problems ans Recommendation s of Eliminate Them	printed	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS), volume45, N1, 2018	p.p.226-233	I.Baramidze,B.Diakonidze, K.Bilashvili, V.Trapaidze, T.Supatashvili

57	Hydrometry	printed	<b>Manual</b>  Technical University "Publishing House" Tbilisi 2018.	264 p.	
58	The Determination methodic for maximal inssurance discharge of water	printed	Ts. Mirtskhulava Water management Institute of Georgian Technical University . Tbilisi, Georgia. Collected papers #73, 2018	p.p.90-95	R. Diakonidze, Z. Charbadze, M. Shavlakadze, K. Dadiani, N.Nibladze, B.Diakonidze, O. Kharashvili
59	Environmental Protection Measures Of Poti and Adjacent Territories	printed	Georgian Technical University Ts. Mirtskhulava Water Management Institute, Collected papers #74, Tbilisi, Georgia. 2019	p.p.119-121	J. Panchulidze, T. Butulashvili, M. Shavlakadze, G. Charbadze, K. Dadiani, N. Nibladze, B. Diakonidze
60	Ecological Problems of Environment Mudflows and Their Prediction: Experience of Georgia	printed	International of – Science and Research (IJSR), Envirinmental Monitoring and Assessment, <b>IF 2.8. Q2,19 November, 2021</b>		Z.Gvishiani, T.Lochohshvili, K.Mchedlishvili
61	Environmental protection Contemporary ecological problems of oceans and seas Methodology of the study of the reasons for the presence of hydrogen sulfide in the Black Sea	printed	American Journal of Engineering Research (AJER), 2022, Volume-11, Issue-09	p.p. 88-91	T. Supatashvili, L. Tsulukidze, B. Lagadze
62	Methodology for calculation of solid sediments and mudslides	printed	<b>methodological instructions</b> , publishing house “Intelekti”, 2022	10 p.	Z. Gvishiani

63	Methodology for calculation of solid sediments and mudslides	printed	<b>methodological instructions</b> , Publishing House “Intelekti”, Second Revised Edition 2022	10 p.	R.Diakonidze
64	General Hydrology	printed	<b>Manual</b>  Publishing house Technical University, Tbilisi, 2022	267 p.	R.Diakonidze
65	The primary reasons for frequent natural disasters on Earth (in Georgia example)	printed	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES V.17, n.4, 2023	p.p. 81-91	D.Kereselidze, J. Phanchulidze, L. Tsulukidze, I. Kvirkvelia
66	Floodprediction for designing innovative mudslide preventing constructions	is printing	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES		R.Diakonidze, L.Tsulukidze

