

DAVIT KERESOLIDZE



Professor
Head of Chair Hydrology, Oceanology and Meteorology
Head Department of Geography
Faculty of Exact and Natural Sciences
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Emloyment

sinse 2006 - Professor Ivane Javakhishvili Tbilisi State University
2000-2010 - Head of laboratori, Main scientific worker. Institute of Hydrometeorology
1988-2006 - docent, professor, Dean, Leader of Direction of TSU
1978-1988 - Scientist worker ,.Institute of watter management

Education

1993- Doctor of Sciences (Water Resources) iv.javakhishvili tbilisi state univrity
1979-1981 - Candidate Sciences (Engineering Hydrology) Institute of water management
1973-1978 - Engineerin hydrology (Hydrology) iv.javakhishvili tbilisi state univrity

Research Interests

Hydroecology, Water resources, Hydrology of Lakes, Hydrology of River, Applied Hydrology
Hydraulics of River and Grundwater, Stochastic Hydrology, Reservoir Hydrology,
Mathematical Modeling of Hydrological Processes

Teaching at ETH

PhD student supervision (6 student)
Msc student supervision (20 student)

Professional Activites

Chairman of the Council Geography of TSU
Editorial board member journal of "Geography of Georgia"
Editorial board member journal of "Caucasian Geographical Review"
Member of Engineering Academy of sciences
Member of Ecological Academy of sciences

Research projects

- “SeaDataCloud” Grant # 730960, “Horizon2020” Scientific Worker, 2016-2019

- “The Remediation of the Areas Degraded by the Action of Snow Avalanches on the Example of Karkucha Pastures” SGP Grant Project – GEO/SGP/OP6/Y2/CORE/LD/17/06, 2017-2018

“Methodology of rivers coast line vulnerability assessment taking into consideration the risk of freshets” Shota Rustaveli national science foundation Principal Investigator – 2013-2016

“Landscape Planing of the Javakheti Protected Areas”, WWF, Scientific Worker, 2009-2010

“The Flood Assessment and Integrated Management Basing on the Informational Teqnlology” GNSF, Scientific Worker, 2008-2010

“Microclimatic and ecological research of ureki-shekviteli”, GNSF, Scientific Worker, 2007-2010

“Black Sea SCENE” EU, FP-6, Scientific Worker 2006-2009

2006-2007 Integrated system for hazardous flood modeling and risks reduction:case stadi for tizsa (ukraine)rioni(georgia) Rivers STCU Researcher, 2006-2007

Publications

1. “ASSESSMENT OF RIVER BANK’S VULNERABILITY BY MATHEMATICAL MODELS” Proceedings 15-th International Multidisciplinary Scientific Geo-Conference SGEM 2015, Water resources, forest, marine and ocean ecosystems, HYDROLOGY&WATER RESOURCES, Vol I, pp-81-87, Bulgaria, <http://www.sgem.org>
2. Quantitative Assessment of Permissible Loads on Georgia’s Soil, American Journal of Environmental Protection . Special Issue: Applied Ecology: Problems, Innovations . Vol. 4, No. 3-1, 2015, pp. 29-33. doi:10.11648/j.ajep.s.2015040301.15
3. “Risk Analysis of the River Bank Washout and Flooding of the Areas” ” Earth Sciences Special Issue Modern Problems of Geography and Anthropology . Vol. 4, No. 5-1, 2015, pp. 113-119. doi:10.11648/j.ajep.s.2015040501.31,
4. “Assessment of the catastrophic events originated in the river Vere basin” The First SDSU – Georgia STEM WORKSHOP on Nanotechnology and Environmental Sciences, 2015, pp. 180-182
5. “Water Quality Variability of the River Rioni” paper proceedings of Climate Change Adaptation , Colombo, Sri lanka, 2015, pp. 48-55
6. “Assessment of tendencies of variability of average monthly discharges of Alazani River and of their annual shares” 5th Intrenational Scientific and technical Conference “Modern problems of water management, environmental protection, architecture and construction” Conference Proceedings, pp. 62-64, 2015
7. “ASSESSMENT OF VARIABILITY OF FLOODS AND FRESHETS FREQUENCY IN SEPARATE MONTH OF SOME GEORGIA’S RIVERS” Prosedings ICAE-2015, pp 75-78, 2015
8. Evaluation and Management of the Risk of Flooding River Bank. *Engineering Geology for Society and Territory*. Vol.3: River Basin, Reservoir Sedimentation and Water Recourses. Springer International Publishing Switzerland. ISBN: 978-3-319-09053-5, ISBN: 978-3-319-09054-3 (e-Book), DOI: 10.1007/978-3-310-09054-2. pp. 463-468. 2015
http://link.springer.com/chapter/10.1007/978-3-319-09054-2_95;

9. "Evaluation of the hydrochemical elements of the water quality in the water reservoirs by using Johnson S_B distribution" SGEM-2014, 14 th GeoConference on Water resources, forest, marine and ocean ecosystems, Conference Proceedings, Volume 1, Hydrology and Water Resources pp. 263-266. 2014 , Bulgaria, <http://www.sgem.org>
10. "Probabilistic assessment of vulnerability of natural riverside" 4th International Scientific and technical Conference "Modern problems of water management, environmental protection, architecture and construction" Conference Proceedings, pp. 54-58, 2014
11. "Evaluation of the ecological risk of the natural environment" " Proceedings 13-th International Multidisciplinary Scientific Geo-Conference SGEM 2013, Vol I, pp-431-436, Bulgaria, <http://www.sgem.org>
12. "Evaluation of the risks of floods and freshets at the mouths of the rivers of Kolkhety Lowland, Georgia" 4th Bi-annual Scientific Conference Black Sea –Challenges Towards Good Environmental Status BS-GES, 2013 4th Bi-annual Scientific Conference, (abstract), Romania, constanta, 2013
13. Allowable Soil Erosion Rates in Georgia // ISSN: 1064-2293, Eurasian Soil Science, 2013, Vol. 46, #3, pp. 438-446
14. General oceanography, part I hydrology of the Seas and oceans, Textbook TSU, 2013
15. "Hydrological zoning of the territory of Georgia and estimation of water resources on the background of the climatic change" Proceedings 12-th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2012, Vol III, pp-729-732, Bulgaria, <http://www.sgem.org>
16. "Hydrological regime of load Discharge of the Rivers of Kolkheti Lowland" conference Proceedings, SGEM 2011, Volume II, pp 853-858, 2011
17. "Evaluation of the risks of flooding associated with the climate change at the eastern coastal zone of the Black Sea (Georgia)" (abstract) 3-rd Bi-annual BS Scientific Conference, Odessa, Ukraina, 2011
18. General Hydrology", Textbook, TSU, 2011,
19. "NATURAL AND ANTHROPOGENICAL CONSEQUENCES OF THE BLACK SEA AND LAKE PALIASTOMI" conference Proceedings, SGEM 2010, Volume II, pp 121-126
20. "ASSESSMENT OF THE FLOODING IN THE BLACK SEA COASTAL AREA OF WESTERN GEORGIA" - JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY (JEPE) vol.11.# 4, 2010.
21. "The Methods of for determination of hydrological specifications", Monography, Universal, 2009
22. "The Use of Nonlinear Regression Equation in Hydrological Calculations" NAnnals of Agrarian Science 6 #3, pp. 76-78, 2008
23. Some Aspects of Hydro ecological Exploitation of the River Chorokhi" Bulletin of the Georgian Academy of Sciences, 172, #2, 2005
24. "Model of Functioning of Water-Management System with One Reservoir of Complex Function" Bulletin of the Georgian Academy of Sciences, 172, #3, pp 499-501, 2005
25. "Boundary Conditions of Water Resources Control of Transit Rivers" Bulletin of the Georgian Academy of Sciences, 169, #1, 2004
26. "To the Problems of transit rivers" Bulletin of the Georgian Academy of Sciences, 166, #1, 2002
27. "Mathematical Modeling of Flood Wave in the River Basins" Bulletin of the Georgian Academy of Sciences, 165, #1, Tbilisi, 2002