



Giorgi Bregvadze

Assistant Professor

Chair of Hydrology, Meteorology and Oceanology

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Education

- PhD in Geography, Ivane Javakhishvili Tbilisi State University
- Msc in Geography (Speciality Hydrology and Hydroecology), Ivane Javakhishvili Tbilisi State University
- Bsc in Geography (Speciality Hydrology and Hydroecology), Ivane Javakhishvili Tbilisi State University

Teaching Courses

- Hydrology
- Oceanology
- Hydrometry
- Applied hydrology
- Surface water and groundwater hydraulics
- Theory of river runoff
- Modeling of Hydrological Processes
- Hydrometrical Monitoring

Research Interests

- Hydrology and hydraulic
- Flood and flash flood
- Water Resources management
- Hydroinformatic

Implemented Projects

- Methodology of rivers coast line vulnerability assessment taking into consideration the risk of freshets (Project 71-32), Shota Rustaveli National Science Foundation, Researcher (Hydrology), 2013-2016
- UP-GRADE BS-SCENE (Project 226592), European Union – FP7, Scientific Worker, 2009-2011
- The Flood Assessment and Integrated Management in Georgia Basing on the Advanced (IT) Informational Technologies (Project 5-140), Scientific Worker, 2009-2010
- Integration System for Minimization Moddeling of catastrophical Flood and Risks for Use of River Tica (Ukraina) and River Rioni (Georgia) (Project GG3127), Ukrainian Scientific-Technical Centre, Researcher (Hydrology), 2005-2006
- Stopping the destruction of forests In the Caucasian Iori river trans-boundary area (Project GG0030.01), WWF, Researcher (Hydrology), 2005

- The probability of catastrophic events and anthropogenic risk factors on Georgian rivers, Georgian Academy of Sciences, Scientific Worker, 2004-2005

Publications

- Risk Analysis of the River Bank Washout and Flooding of the Areas. Earth Sciences. American Journal of Environmental Protection. Special Issue: Modern Problems of Geography and Anthropology. Vol. 4, No. 5-1, 2015, pp. 113-119. doi: 10.11648/j.earth.s.2015040501.31
- 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
- Assessment of Variability of Floods and Freshets Frequency in Separate Month of Some Georgia's Rivers, International Conference "Applied Ecology: Problems, Innovations", ICAE-2015, pp. 75-77
- The Numerical Method of Flood Wave in River Systems. Annals of Agrarian Science, Vol. 9, #4, pp. 45-47
- Hydrological Regime of Load Discharge of the Rivers of Kolkheti Lowland, Georgia, Proceedings, Volume II, 2011, pp. 853-858
- Natural and Anthropological Consequences of the Relation Between the Black Sea and Lake Paliastomi. 10-th International Multi-disciplinary scientific Geoconference SGEM 2010, conference proceedings, vol. II Conference Centre Flamingo Grand Albena Complex, 20-26 June, Bulgaria, 2010, pp. 121-126
- The use of nonlinear regression equation in hydrological calculations. "Annals of Agrarian Science", 6, №1, 2008, pp. 76-78
- Model of functioning of water management system with one reservoir of complex function. BULLETIN of the Georgian Academy of sciences, 172, №3, 2005, pp.499-501
- Boundary conditions of water resources control of transit rivers. BULLETIN of the Georgian Academy of sciences, vol. 169, №1, 2004, pp. 85-87
- Mathematical modeling of flood wave in the river basins". BULLETIN of the Georgian Academy of Sciences, vol. 165, №1, 2002, pp. 74-77
- Zmienność roczna przepływów w związku z globalnym ociepleniem klimatu – 30 seminarium zastosowań matematyki, KOBULA GORA, 2000, pp. 26-28