

Besik Kalandadze

Associate Professor

Soil Geography

e-mail: besik.kalandadze@tsu.ge

Phone mob: +995 593 30 50 32



Education

University Diploma in Geography (Soil geography), Ivane Javakhishvili Tbilisi State University -1991

Ph.D, in Environmental protection and rational use of natural resources,, Ivane Javakhishvili Tbilisi State University - 1999

Teaching Courses

- Soil Geography
- Soil classification
- Technogenic pollution and melioration of soils
- Soil Erosion and Recultivation
- Applied Ecology

Research Interests

- Geographical distribution of Soils
- Soil Ecology
- Soil Erosion and Degradation
- Soil Protection

Running projects

- The Remediation of the Areas Degraded by the Action of Snow Avalanches, Grant Project – GEO/ SGP/ OP6/ Y2/ CORE /LD /17/06,GEF, 2017-2018
- AMIES II – Scenario development for sustainable land use in the Greater Caucasus, Georgia (extension), 2014-2017, VW Foundation

Selected Publications

- Thomas Hanauer, Carolin Pohlenz, Besik Kalandadze, Tengiz Urushadze, Peter Felix-Henningsen “Soil distribution and soil properties in the subalpine region of Kazbegi; Greater Caucasus; Georgia: Soil quality rating of agricultural soils”, *Annals of Agrarian Science*, 2017
- B. Kalandadze, V. Trapaidze “Effect of Water Erosion on Brown Soils (Cambisols Cromic) Productivity by the Example of Samtskhe-Javakheti Region (GEORGIA) Proceedings 16-th International Multidisciplinary Scientific Geo-Conference SGEM 2016, Water resources, forest, marine and ocean ecosystems, Vol II, pp-141-147, Bulgaria, <http://www.sgem.org>
- Nikolaishvili D., Trapaidze V., Kalandadze B., Mamukashvili T., Sharashenidze M. Complex evaluation of climate change – an example from Georgia’s Landscapes, *JEB, Journal of Environmental Biology*, 2015
- Matchavariani L., Kalandadze B., Lagidze L., Gokhelishvili N., Sulkhaniashvili N., Paichadze N., Dvalashvili G. Soil Quality Changes in Response to their Pollution of Heavy Metals in Georgia. *JEB, Journal of Environmental Biology*. Triveni Enterprises Publishing, 2015
- Kalandadze B., Trapaidze V., Lagidze L., Laoshvili Z., Kalandadze I. Role of Irrigation Farming in the Perspective Development of Agriculture in Samtskhe Region, [Modern Problems of Geography and Anthropology in Earth Sciences](#), 2015
- Kalandadze B., Trapaidze V. Quantitative evaluation of the impact of heavy metals on soil productivity on the example of ore-dressing and processing production in east Georgia, SGEM 2015, 15 th GeoConference on Water resources, forest, marine and ocean ecosystems, Conference Proceedings, Volume II, soils, forest ecosystems, marine and ocean ecosystems. pp 271-278. 2015, <http://www.sgem.org>
- Kereselidze D., Machavariani L., Kalandadze B., Trapaidze V. Allowable Soil Erosion Rates in Georgia //ISSN: 1064-2293, *Eurasian Soil Science*, 2013, Vol. 46, #3.
- Hanauer, T., Felix-Henningsen, P., Shteffens, D., Kalandadze, B., Navrozashvili, L. and Urushadze T. (2011): In situ stabilization of metals (Cu, Cd und Zn) in contaminated soils in the region of Bolnisi, Georgia. DOI 10.1007/s11104-010-0634-5. *Plant and Soil* 341: 193-208.