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Associate Professor
Geography Department
The Faculty of Exact and Natural Sciences,
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Dr. Hab. (Doctor of Science, 2004)
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Education:

- Dr. Hab. (Doctor of Sci.) in Geography, Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia, June 25, 2004
- Ph.D. (Candidate of Sci.) in Geography, Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia, June 11, 1999
- MS(equivalent) in Physics, Ivane Javakhishvili Tbilisi State University, Tbilisi, Georgia, June 29, 1995

Teaching Courses:

Geographical modeling and forecasting
Landscape climatology
Geography (practicum)
Applied geography (practicum)

Research Interests:

Applying Geographical Information Systems to analyze geographical, ecological, and social issues;
Regional climate change and variability, extreme weather and climate events;
Landscape science

Running projects

Project coordinator from Georgia, Georgian-Norwegian partnership in climate teleconnection and prediction (GeoNor), 2017-2018, SIU

Selected Publications

- Georgian climate change under global warming conditions, **M.Elizbarashvili**, E.Elizbarashvili, M. Tatishvili, Sh.Elizbarashvili, R.Meskhia, N. Kutaladze, L.King, I. Keggenhoff, T.Khardziani, *Annals of Agrarian Science* 15, 17-15, 2017
- Spatiotemporal variations in climate moisture indices in Georgia under global warming, E.Sh. Elizbarashvili, **M.E. Elizbarashvili**, N.B. Kutaladze, I. Keggenhoff, Sh. E. Elizbarashvili, B.M. Kikvadze, N.M. Gogia, *Russian Meteorology and Hydrology*, Volume 41, Issue 4, pp. 261-267, 2016
- Geography and dynamics of some temperature indices for assessing the climate change in Georgia. E.Sh. Elizbarashvili, **M.E. Elizbarashvili**, N.B. Kutaladze, I. Keggenhoff, B.M. Kikvadze, N.M. Gogiya, *Russian Meteorology and Hydrology*, Volume 40, Issue 1, pp. 39-45, 2015
- Recent changes in Georgia's temperature means and extremes: Annual and seasonal trends between 1961 and 2010, I. Keggenhoff, **M. Elizbarashvili**, L. King, *Weather and Climate Extremes*, Volume 8, pp. 34–45, 2015
- Heat Wave Events over Georgia Since 1961: Climatology, Changes and Severity, Ina Keggenhoff, **Mariam Elizbarashvili**, Lorenz King, *Climate*, 2015, 3(2), 308-328; doi:10.3390/cli3020308
- Trends in daily temperature and precipitation extremes over Georgia, 1971–2010, I. Keggenhoff, **M. Elizbarashvili**, A. Amiri-Farahani, L. King, *Weather and Climate Extremes*, Volume 4, pp. 75–85, 2014
- Hailstorms in the Territory of Georgia, E.Sh.Elizbarashvili, A.G. Amiranashvili, O.Sh. Varazanashvili, N.S. Tsereteli, **M.E. Elizbarashvili**, S.E. Elizbarashvili, M.G. Pipia, *European Geographical Studies Vol. (2)*, № 2, pp. 55-69, 2014
- Climate Indices for the Moistening Regimen in the Territory of Georgia amidst Global Warming, E.Sh.Elizbarashvili, N.B. Kutalaze, I. Keggenhoff, **M.E. Elizbarashvili**, B.M. Kikvadze, N.M. Gogia, *European Researcher Vol.(66)*, № 1-1, pp.102-107, 2014
- Droughts in Georgia, E.Sh.Elizbarashvili, O.Sh. Varazanashvili, N.S. Tsereteli, **M.E. Elizbarashvili**, S.E. Elizbarashvili, V.E. Gorgisheli, *European Researcher Vol.(68)*, № 2-1, pp. 308-316, 2014
- Hurricane winds on the territory of Georgia, E.Sh. Elizbarashvili, O.Sh. Varazanashvili, N.S. Tsereteli, M.E. Elizbarashvili, *Russian Meteorology and Hydrology*, Volume 38, Issue 3, pp 168-170, 2013
- Creation of High-resolution Climatic Grid Datasets for the Territory of Georgia, E.Sh.Elizbarashvili, M.R.Tatishvili, M.E.Elizbarashvili, Sh.E.Elizbarashvili, R.Sh.Meskhia, V.E.Gorgisheli, K.A. Lashauri, *Russian Meteorology and Hydrology*, Volume 38, Issue 9, pp 633-637, 2013
- Climate Change in Georgia under Global Warming Conditions, E.Sh. Elizbarashvili, M.R. Tatishvili, **M.E. Elizbarashvili**, R.Sh. Meskhia, Sh.E. Elizbarashvili, monograph, p.128. Tbilisi, 2013

- Model Simulation Study of Temperature and Precipitation Extremes in Georgia. International Multidisciplinary 12th Scientific GeoConference SGEM2012, “Modern Management of Mine Producing, Geology and Environmental Protection”, Conference Proceedings, Volume IV, pp.355-362. **M. Elizbarashvili**, N.Meskhidze, B. Gantt, D. Mikava, 2013
- Natural hydrometeorological disasters, their causes and prevention measures, Marika Tatishvili, Elizbar Elizbarashvili, Shalva Elizbarashvili, Ramaz Meskhia, **Mariam Elizbarashvil**, The Macrotheme Review, A multidisciplinary journal of Global macro trends, Volume 2, Issue 1, pp. 148-154, 2013
- Climate and Agro-climatic Atlas of Georgia., Tbilisi. Coauthor **Elizbarashvili M.E.**, 2012
- Icing of Wires in Mountain Areas of Georgia. E.Sh. Elizbarashvili O.Sh. Varazanashvili, N.S. Tsereteli, **M.E. Elizbarashvili**, M.N. Kaishauri, Russian Meteorology and Hydrology, Vol. 37, No. 8, pp. 567-569, 2012
- Dangerous Fogs on the Territory of Georgia, E.Sh. Elizbarashvili O.Sh. Varazanashvili N.S. Tsereteli, **M.E. Elizbarashvili**, Sh.E. Elizbarashvili, Russian Meteorology and Hydrology, Vol. 37, No. 2, pp. 106–111, 2012
- Light Frosts in the Freeze-free Period in Georgia, E.Sh. Elizbarashvili, O.Sh. Varazanashvili, **M.E. Elizbarashvili**, N.S. Tsereteli, Russian Meteorology and Hydrology, Vol. 36, No. 6, pp. 399–402, 2011
- Droughts in Eastern Georgia, **M.Elizbarashvili**, E.Elizbarashvili, V.Gorgisheli, 11TH International Multidisciplinary Scientific GeoConference “Modern Managment of Mine Producing, Geology and Environmental Protection”, Conference Proceedings Volume II. pp. 1229-1231, 2011
- Temperature Regime of Some Soil Types in Georgia, E.SH.Elizbarashvili, T.F.Urushadze, **M.E. Elizbarashvili**, SH.E.Elizbarashvili, M.K.Schaefer, Eurasian Soil Science. vol.43,No. 4, pp. 427-435, 2010
- Georgia in Transition: Experiences and Perspectives. PETER LANG (Frankfurt am Main, Berlin - Bern –Bruxelles – New York – Oxford – Wien), Germany. Coauthor **M.E. Elizbarashvili**, 2009
- Hydro climatic resources and Main Functions Of the Caucasus Natural Landscapes, E.SH.Elizbarashvili, **M.E.Elizbarashvili**, Russian Academy of Sciences, Journal of Geography, №3, pp.110-113, 2010
- Climate change and its consequences in Georgia, **M.Elizbarashvili**, E.Elizbarashvili, R.Meskhia, R.Maisuradze, International Multidisciplinary Scientific GeoConference SGEM 2010 “Modern Managment of Mine Producing, Geology and Environmental Protection”, Conference Proceedings Volume II., pp. 221-227, 2010
- Specific Features of Soil Temperature Regimes in Georgia, E.Sh. Elizbarashvili, **M.E. Elizbarashvili**, R.V. Maglakelidze, N.G. Sul Khanishvili, Sh.E. Elizbarashvili, Eurasian Soil Science/MAIK Nauka/Interperiodica publishing, volume 40, Number 7, pp.761-765. 2007
- Soil-climatic Zoning of Georgia, E.Sh. Elizbarashvili, Z.B. Chavchanidze, **M. E. Elizbarashvili**, R.V. Maglakelidze, N.G. Sul Khanishvili, Sh.E. Elizbarashvili, Eurasian Soil Science, volume 39, Number 10, pp.1062-1065., 2006