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Research papers

Nana Kvirkvelia, Mariam Tsitsagi. Impact of COVID-19 on tourism in Georgia-an overview. Online/Georgian Geographical Journal, 2021, 1(1), pp. 27-33. E-ISSN: 2667-9701. <https://doi.org/10.52340/ggj.2021.08.10>

Mariam Tsitsagi, Giorgi Lominadze, Merab Gongadze, Giorgi Kavlashvili. Terrain morphometry and soil erosion topographic factor (LS) in upper Alazani basin (Georgia). Online/Annals of Agrarian Science, 2021, 19, pp. 174-180. 1512-1887

Lela Gadrani, Mariam Tsitsagi. The route of Georgian Industrial Heritage. Patrimonio de la industrialización: geografías, geometrías y empleos / coord. por Miguel Ángel Álvarez Areces, 2020, págs. 39-44. ISBN 978-84-121547-6-4

Dali Nikolaishvili, Mariam Tsitsagi, Elene Nikolaishvili, Tamar Chichinadze, Tedo Gorgodze. Dependence of phytomass on environmental factors: Case study of Georgia's landscapes. Triveni Enterprises/Journal of Environmental Biology, 2020, 41, pp. 358-364. eISSN:2394-0379. [http://doi.org/10.22438/jeb/41/2\(SI\)/JEB-12](http://doi.org/10.22438/jeb/41/2(SI)/JEB-12)

Mariam Tsitsagi, Davit Svanadze, Giorgi Lominadze, Merab Gongadze, Levan Koroglishvili. COMPARISON OF DIFFERENT DEM DERIVED LANDFORM ANALYSIS (CASE OF KAKHETI, GEORGIA). International Multidisciplinary Scientific GeoConference: SGEM; Sofia, 2020, Vol. 20, Iss. 1.1. ISSN 1314-2704. DOI:10.5593/sgem2020/1.1/s01.007

M. Tsitsagi, I. Matchavariani, G. Ghambashidze, D.Nikolaishvili, E. Nikolasihvili. Multy-temporal Image Analysis for Alazani River (Georgia) Meandering Change Detection. International Multidisciplinary Scientific GeoConference: SGEM; Sofia, 2020, Vol. 20, Iss. 1.2. ISSN 1314-2704. DOI:10.5593/sgem2020/1.1/s02.081

Tsitsagi, M. & Kvirkvelia, N. Some Demographic Trends in Borderline Regions of East Caucasus Mountains (Georgia). DergiPark/Ankara Üniversitesi Çevre Bilimleri Dergisi, 2019, 7(2), pp. 125-129. e-ISSN: 2146-1562

Tsitsagi M. Advances in Digital Soil Mapping (A review). TSU Publishing/Proceedings of Actual problems of landscape sciences. Environment, Society, Politics. Tbilisi, Georgia, 2019, pp. 80-83. ISBN 978-9941-13-868-3

Lela Gadrani, Mariam Tsitsagi, Nana Bolashvili, Tamaz Karalashvili. Gestión sostenible del patrimonio hidroeléctrico de Georgia. Resiliencia, innovación y sostenibilidad en el Patrimonio Industrial/coord. por Miguel Ángel Álvarez Areces, 2019, pág. 259. ISBN 978-84-120177-8-6

L Gadrani, G Lominadze, M Tsitsagi. F assessment of landuse/landcover (LULC) change of Tbilisi and surrounding area using remote sensing (RS) and GIS. Elsevier/Annals of Agrarian Sciences, 2018, 16(2), pp. 163-169. <https://doi.org/10.1016/j.aasci.2018.02.005>

Tsitsagi M, Berdzenishvili A, Gugeshashvili M. Spatial and temporal variations of rainfall-runoff erosivity (R) factor in Kakheti, Georgia. Elsevier/Annals of Agrarian Sciences, 2018, 16(2), pp. 226-235. <https://doi.org/10.1016/j.aasci.2018.03.010>

Nikolaishvili, Dali; Lagidze, Lamzira; Tsitsagi, Mariam; Tskhvaradze, Maia; Kubetsia, Mzia. CLIMATE CHANGE TRENDS IN LANDSCAPES OF SAMTSKHE-JAVAKHETI International Multidisciplinary Scientific GeoConference: SGEM; Sofia, 2018, Vol. 18, Iss. 3.2. ISSN 1314-2704. DOI:10.5593/sgem2018/3.2/S14.098

Kvirkvelia N., Tsitsagi M., Gugeshashvili M., Chaladze T. Terrain Morphometric Analysis to Support Tourism Development in the Tusheti Protected Area. Cambridge Scholars Publishing/Contemporary Studies in Environment and Tourism, Chapter Twenty-Six, 2017, pp. 427-434. ISBN: 1-4438-7283-0

Nikolaishvili D, Trapaidze V, Svanadze D, Tsitsagi M. Determination of landscape hydrological resources- methodological aspects: A case study from Georgia. Triveni Enterprises/Journal of Environmental Biology, 2017, 38(5(SI)), pp. 1147-1153. [http://doi.org/10.22438/jeb/38/5\(SI\)GM-35](http://doi.org/10.22438/jeb/38/5(SI)GM-35)

Mariam Tsitsagi, Ana Berdzenishvili, Ketevan Gogidze. Monthly Variations of Rainfall Erosivity (R factor) in Shida Kartli, Georgia. Science Publishing Group/Earth Sciences. Special Issue: New Challenge for Geography: Landscape Dimensions of Sustainable Development, 2017, Vol. 6, No. 5-1, pp. 87-92. doi: 10.11648/j.earth.s.2017060501.23

Turmanidze Z., Tsitsagi M. National Border from Erisimedi to Southern End Point of Georgia. Javakhiani, 2017, Vol.1, pp. 185-201. ISSN 2449-3198

Levan G. Tielidze, Lela Gadrani, Mariam Tsitsagi, Nino Chikhradze. Glaciers Dynamics Over the last One Century in the Kodori River Basin, Caucasus Mountains, Georgia, Abkhazeti. Science Publishing Group/American Journal of Environmental Protection. Special Issue: Applied Ecology: Problems, Innovations. 2015, Vol. 4, No. 3-1, pp. 22-28. ISSN Online: 2328-5699. doi: 10.11648/j.ajep.s.2015040301.14

Participations in conferences

- 16-20 August, 2021. GIS based spatial analysis of place names in Kvemo Kartli Georgia. 34th International Geographical Congress. Istanbul, Turkey. IGU
- 25-26 November, 2021. Study on land cover change in urban areas. Incontri Mediterranei di Igiene Industriale 2021 Siracusa, Italy INM — Istituto di Ingegneria del Mare
- 16 - 25 August, 2020. MULTI-TEMPORAL IMAGE ANALYSIS FOR ALAZANI RIVER (GEORGIA), MEANDERING CHANGE DETECTION. International Scientific GeoConference SGEM 2020. Albena, Bulgaria. SGEM
- 16 - 25 August, 2020. COMPARISON OF DIFFERENT DEM DERIVED LANDFORM ANALYSIS (CASE OF KAKHETI, GEORGIA). International Scientific GeoConference SGEM 2021. Albena, Bulgaria. SGEM
- 29/10-4/11, 2019. Demographic Trends in Borderline Regions of East Caucasus Mountains (Georgia). 2nd Caucasus Mountain Forum. Ankara, Turkey. SNC-mt
- 9-13 September, 2019. Advances in Digital Soil Mapping. Actual Problems of Landscape Sciences: environment, society, politics. Tbilisi, Georgia. Ivane Javakhishvili Tbilisi State University
- 04-07 September, 2018. Automated forest mapping: efficiency and limitations (case study of Georgia). Eurasian GIS Congress, 2018. Baku, Azerbaijan. Selçuk Üniversitesi
- 21-22 May, 2017. Assessment of Rainfall Erosivity, Comparison among Methods: Case of Kakheti, Georgia ICCCH 2017: 19th International Conference on Climate Change and Humanity. Berlin, Germany. WASET
- 18-19 May, 2017. Urban Expansion Modeling of Tbilisi on the background of Active Terrain Transformation. ICGUES 2017: 19th International Conference on Geography, Urban and Environmental Studies Paris, France. WASET
- 28.11-1.12, 2016. Ethno-cultural resources and perspectives of the development of ethno tourism in Tusheti. First Caucasus Mountain Forum. Tbilisi, Georgia. SNC-mt
- 23-26 May, 2016. Methodology of Determination of Landscape Hydrological Resources (Case of Georgia). THE 4TH INTERNATIONAL GEOGRAPHY SYMPOSIUM. Kemer, Turkey. GeoMed
- 23-26 May, 2016. Terrain Morphometric Analysis for Support Tourism Development in Tusheti, Protected Area. THE 4TH INTERNATIONAL GEOGRAPHY SYMPOSIUM. Kemer, Turkey. GeoMed

Research grants

- 2021-2023. Develop an environmental research methodology using remote sensing, based on examples from Rome and Tbilisi. SRNSF-CNR. Key personnel
- 2021-2022. Mapping of Spatial-temporal Changes of Landcover (LULC) in Tbilisi. Shota Rustaveli National Science Foundation. Co-adviser
- 2020-2023. Preparation of an atlas of zoonotic infections in the South Caucasus. US Defense Threat Reduction Agency (DTRA). Supportive personnel
- 2021-2022. Forest Mapping. Caucasus Network for Sustainable Development of Mountain Regions. Key personnel
2021. Channel Stability Analysis and Future Migration of Meandering Alazani. Advanced Research Opportunities Program (AROP). RWTH Aachen University, Germany. Key personnel
2021. Assessment of rainfall erosivity from radar-based precipitation (case of Kakheti, Georgia). DAAD-Rustaveli. Key personnel
- 2017-2019. Development of the opportunities with the projects based on partnership. Strategies of federal government for internationalization of science and research-partnership for sustainable development of transition countries. BMBF-Federal Ministry of Education and Science, Germany. Key personnel
- 2007-2009. Glacier dynamics, climate variability and river runoff modeling in the Caucasus. INTAS. Supportive personnel

2020. Abroad training program. International Education Center. Key personnel
2019-20. Analysis of Landuse/Landcover Changes with use of Remote Sensing and GIS in Gori Municipality. Shota Rustaveli National Science Foundation. Scientific advisor
1 April-30 September, 2019. Known and unknown cultural routes in Adjara. Ministry of Culture of Adjara. Key personnel
1 May- 30 September, 2019. Cultural routes of Western Georgia. Ministry of Culture. Key personnel
2018-20. Digital soil mapping of Kakheti. Shota Rustaveli National Science Foundation. Key personnel
2015-16. Assessment and GIS Modeling of Soil Erosion (case of Shida Kartli). Shota Rustaveli National Science Foundation. Key personnel
2014-15. Research on soil erosion with use of Remote Sensing. Shota Rustaveli National Science Foundation. Key personnel
2012-13. GIS of Dzama, Tana, Tedzami river basins for analysis of interaction between environment and social processes. Shota Rustaveli National Science Foundation. Key personnel
2009-2012. Monitoring of Zopkhito Glacier mass balance on the background of climate change. Shota Rustaveli National Science Foundation. Supportive personnel

Internship

Germany, August-October, 2021. RWTH Aachen University. DAAD-Rustaveli
Germany, January-June, 2021. RWTH Aachen University. AROP
Germany, October-November, 2020. RWTH Aachen University. International Education Center
USA, October-November, 2015. National Soil Erosion Research Laboratory. Shota Rustaveli National Science Foundation
Canada, February-July, 2015. Advance Resolution Terradynamic Monitoring Systems (ARTEMIS) Laboratory. University of Lethbridge. Shota Rustaveli National Science Foundation

Other Activities

Cogent Food & Agriculture, 2021. Reviewer
Cogent Food & Agriculture, 2021. Reviewer
Cogent Food & Agriculture, 2021. Reviewer
Cogent Environmental Science, 2021. Reviewer
2020-present. Georgian Geographical Journal. Georgia. Secretary

Award

2015. Medal of Ivane Javakhishvili Tbilisi State University