

Curriculum Vitae



LIA MATCHAVARIANI

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WORK EXPERIENCE

Dates & Name of employer	2012-present – Iv. Javakhsivili Tbilisi State University (TSU)
Occupation, position held	<i>Professor, Head of Soil Geography Chair</i> – Faculty of Exact & Natural Sciences, Geography Department
Dates & Name of employer	2006-2012 – Iv. Javakhsivili Tbilisi State University (TSU)
Occupation, position held	<i>Assoc. Professor</i> – Faculty of Exact & Natural Sciences, Geography Department
Dates & Name of employer	2005-2011 – Iv. Javakhsivili Tbilisi State University (TSU)
Occupation, position held	<i>Senior Specialist</i> at the Office of Academic Process Management Scientific Researches – Faculty of Exact & Natural Sciences
Dates & Name of employer	2003-2005 – Iv. Javakhsivili Tbilisi State University (TSU)
Occupation, position held	<i>Vice-Dean</i> – Faculty of Geography
Dates & Name of employer	1998-2006 – Iv. Javakhsivili Tbilisi State University (TSU)
Occupation, position held	<i>Docent, Lecturer</i> – Chair: Geography of Georgia; Geography-Geology Faculty
Dates & Name of employer	1992-1998, 1990-1992, 1982-1990 – Tbilisi State University (TSU)
Occupation, position held	<i>Docent, Teacher, Laboratorian</i> – Chair: Hydrology, Soil Science; Geography-Geology Faculty

EDUCATION

Dates & Name of organization	2006, Iv. Javakhsivili Tbilisi State University
Title of qualification awarded	Scientific Degree: Doctor of Sciences in Geography (Geo-ecology)
Dates & Name of organization	1989, GSAU, Tbilisi
Title of qualification awarded	Scientific Degree: Candidate of Agricultural Sci. / PhD (Soil Science)
Dates & Name of organization	1977-1982, Iv. Javakhsivili Tbilisi State University (TSU)
Title of qualification awarded	Diploma in Geography (Soil Science) – Faculty of Geography & Geology

TRAININGS

Dates & Name of organization	2014, UNESCO-IHE, Institute for Water Education, The NETHERLANDS
Title of training courses	Curricula Development and Training of Trainers for Master Course in Integrates Water Recourses Management
Dates & Name of organization	2009–2010, British Council
Title of training courses	Course of English for Professional Purposes
Dates & Name of organization	2008-2009, TEMPUS Joint European Project (JEP), Brussel, BELGIUM
Title of training courses	Application of the Tuning Approach in the Georgian Higher Education System
Dates & Name of organization	2004, German-Georgian Project (KfW)
Title of training courses	Description & Estimation of Soils according to FAO-WRB Classification & German Standards. Cadastre & Land Registration – a component of Land Use
Dates & Name of organization	2002, International Meteorological Training Center, Tel-Aviv, ISRAEL
Title of training courses	International Post Graduate Course in Agro-meteorology (MASHAV)
Dates & Name of organization	1997, GIS Lab., Philips State University of Marburg, GERMANY
Title of training courses	Training course in Geographical Information System & Remote Sensing

INTERNATIONAL SCIENTIFIC FORUMS

Date & Place of Event	2019, 25-26 Nov., Dubai, UAE
Name of the Event	International Conference on Climate Change
Date & Place of Event	2019, 30 June – 6 July, Albena, Bulgaria
Name of the Event	19th International Multidisciplinary Scientific GeoConference SGEM2019
Date & Place of Event	2019, 22-24 May, Baku, AZERBAIJAN
Name of the Event	Eurasian RISK2019
Date & Place of Event	2017 4-6 Oct., Tbilisi, TSU
Name of the Event	International Conference “Landscape Dimensions of Sustainable Development: Science, Planning, Governance” (ICLDSD 2017)
Date & Place of Event	2017, 21-23 April, Delft, The NETHERLANDS
Name of the Event	Water Recourses Management Workshop (WRMW 2017)
Date & Place of Event	2016, 21-23 Nov., Osaka, JAPAN
Name of the Event	2 nd International Conference on Science, Engineering & Environment (SEE-Osaka 2016)
Date & Place of Event	2016, 28 Aug.-2 Sept., Montpellier, FRANCE
Name of the Event	5 th International Eco Summit “Ecological Sustainability: Engineering Change”
Date & Place of Event	2016, 27 June-1 July 2016 Burlington, VT, USA
Name of the Event	17 th Conference on Mountain Meteorology (AMS 2016)
Date & Place of Event	2016, 23-25 May, Kemer-Antalya, TURKEY
Name of the Event	4 th International Geography Symposium (GEOMED 2016)
Date & Place of Event	2015, 16-18 June, Alicante, SPAIN
Name of the Event	4 th International Conference on Earth Science & Climate Change – OMICS Group
Date & Place of Event	2015, 5-7 November, Tbilisi, GEORGIA
Name of the Event	Network Conf. “Human & Environm. Resources in Multiethnic Societies” JLU Giessen–TSU
Date & Place of Event	2015, 22-23 Nov., Colombo, SRI-LANKA
Name of the Event	4 th International Conference on Climate Change Adaptation (CCA 2015)
Date & Place of Event	2014, 15-19, Sept., Torino, ITALY
Name of the Event	XII International IAEG Congress “Engineering Geology for Society and Territory”
Date & Place of Event	2014, 28-30 July, San Francisco, USA
Name of the Event	3 rd International Conference on Earth Science & Climate Change – OMICS Group
Date & Place of Event	2014, 17-26 June, Albena, BULGARIA
Name of the Event	14 th International Multidisciplinary Scientific GeoConference & Expo (SGEM 2014)
Date & Place of Event	2013, 17-20, Sept., Bari, ITALY
Name of the Event	International Conference “Biochars, Composts & Digestates: Production, Characterization, Regulation, Marketing, Uses & Environmental Impact” (BCD 2013)
Date & Place of Event	2013, 3-5 May, Edremit-Balikesir, TURKEY
Name of the Event	2 nd International Symposium on Kaz Mountains & Edremit (IKES 2013)
Date & Place of Event	2013, 9-12 April, Bonn, GERMANY
Name of the Event	UNCCD 2 nd Scientific Conference “Economic Assessment of Desertification, Sustainable Land Management & Resilience of Arid, Semiarid & Dry Sub-humid Areas”
Date & Place of Event	2012, 18-22 Oct., Bengaluru, INDIA
Name of the Event	8 th International Symposium on Plant-Soil Interactions at Low pH
Date & Place of Event	2011, 4-6 Nov., Bucharest, ROMANIA
Name of the Event	International Conference Environment – Landscape – European Identity
Date & Place of Event	2011, 6-8 Sept., Brno, CZECH Rep.
Name of the Event	International Conference “Soil, Plant & Food Interactions” Mendel University
Date & Place of Event	2011, 21-27 July, Bern, SWITZERLAND
Name of the Event	XVIII INQUA-Congress “Quaternary sciences – the view from the mountains”
Date & Place of Event	2010, 12-16 July, IGU, Tel-Aviv, ISRAEL
Name of the Event	IGU’s Regional Conference “Bridging Diversity in a Globalizing World”
Date & Place of Event	2010, 23-25 April, Bangkok, THAILAND
Name of the Event	International Conference on Environmental Science & Technology (ICEST 2010)
Date & Place of Event	2009, 3-5 June, Oslo, NORWAY
Name of the Event	SPARE Conference on Energy and Climate in EECCA Region

Online-Conferences

Date of Event	(2020) XX th International Multidisciplinary Scientific GeoConference – SGEM 2020 https://www.sgem.org/
Date of Event	(2020) AMS – American Meteorological Society 19 th Conference on Mountain Meteorology (virtual meeting) https://ams.confex.com/ams/19Mountain/meetingapp.cgi/Session/5721
Date of Event	(2006, May) http://www.cetm.narod.ru/pdf/matchavariani.pdf
Date of Event	(2005, May) www.acnet.ge/catastrophes
Date of Event	(2004, May) www.acnet.ge/natural_resources

Special invited participation

Dates, Place of Event	2006, 16-21 Nov., Beijing University, CHINA
Name of the Event	The Sino-German High-Level Expert Workshop: “Applications of Landscape Planning Towards Sustainable Urbanization & Land-use”, Beijing University – <i>Representative of Georgia</i>

GRANTS & PROJECTS

Dates, Name of the Project	(2019-2022) “Methods of assessing the negative impact of the water reservoirs on the Environment and population safety” (FR-18-009)
Donor & Role in the Project	Shota Rustaveli National Science Foundation – <i>Principal Investigator</i>
Date, Name of the Project	(2015-2017) “Modern Method for Realization of Joint Problem of Coastal Protection & Hydro-energetics” (AR/220/9-120/14)
Donor & Role in the Project	Shota Rustaveli National Science Foundation – <i>Principal Investigator</i>
Date, Name of the Project	(2014-2015) International Conf. “Applied Ecology: Problems, Innovations”, ICAE-2015
Donor & Role in the Project	Shota Rustaveli National Science Foundation – <i>Principal Investigator, Conference Chairman</i>
Date, Name of the Project	(2012-2013) “Sorting & Recycling of Household Waste in Ecological Village”
Donor & Role in the Project	Shota Rustaveli National Science Foundation – <i>Research Supervisor</i>
Date, Name of the Project	(2010-2013) “Soil Investigation/Systematisation of Georgia on the Base of World Reference Base for Soil Resources”
Donor & Role in the Project	Georgia National Science Foundation – <i>Coordinator of cameral works</i>
Date, Name of the Project	(2009) “Estimation of the Modern Condition of a Hydrological Mode & Soils of Chiauri Wood for the Purpose of Restoration & Development of Woods”
Donor & Role in the Project	International Program "Decrease in influence of Climate Change in South Caucasus in the Purpose of Restoration of Wood Landscapes" – <i>Soil Scientist</i>
Date, Name of the Project	(2007-2008) “Application of the Tuning Approach in the Georgian High Education”
Donor & Role in the Project	Tempus Programme – <i>Member of Earth Science Group</i>
Date, Name of the Project	(2007-2008) “Landscape Planning in the South Caucasus Region, Adjara”
Donor & Role in the Project	German Federal Agency of Nature Protection (BfN) in partnership with Berlin Technical University & WWF – <i>Soil Scientist</i>
Date, Name of the Project	(2006-2008) “National Atlas of Georgia”
Donor & Role in the Project	Georgia National Science Foundation (GNSF) – <i>Member of Editorial Board, Head of Biogeography Group</i>
Date, Name of the Project	(2004, 2003, 2001- 2002) “Development of Landscape-ecological Basis for Overall Forest Land Use Zoning”
Donor & Role in the Project	World Bank, Forest Sector Development Project – <i>Soil Scientist</i>
Date, Name of the Project	(2004-2005) “Development of Landscape-ecological Basis for Overall Forest Land Use Zoning – Adjara Region”
Donor & Role in the Project	World Bank, Forest Sector Development Project – <i>Soil Scientist</i>
Date, Name of the Project	(2003-2004) “Natural Resources Database for the South Caucasus”
Donor & Role in the Project	Environmental Agency of Switzerland, CENN – <i>Main Implementor</i>
Date, Name of the Project	(2003-2004) “Ecological Explanatory Dictionary on fifth Languages” (English, Russian, Georgian, Armenian, & Azerbaijan)
Donor & Role in the Project	Regional Ecological Center (REC) of Caucasus – <i>Co-author</i>

INTERNATIONAL EDITORIAL ACTIVITY

Name of organization, Position	<i>American Journal of Environmental Protection</i> (AJEP), SciencePG, Special Issue “Applied Ecology: Problems, Innovations” ISSN: 2328-5680 (Print); ISSN: 2328-5699 (Online) – <i>Lead Guest Editor</i>
Name of organization, Position	<i>American Journal of Environmental Protection</i> (AJEP), SciencePG, ISSN: 2328-5680 (Print); ISSN: 2328-5699 (Online) – <i>Member of Editorial Board</i>
Name of organization, Position	<i>Earth Sciences (AJEP)</i> , SciencePG, Special Issue “Modern Problems of Geography & Anthropology” [ISSN: 2328-5974 (Print); ISSN: 2328-5982 (Online)] – <i>Guest Editor</i>
Name of organization, Position	<i>Algerian Journal of Environmental Science and Technology</i> (ALJEST) ISSN: 2437-1114 (Print); ISSN: 2478-0030 (Online) – <i>Member of Editorial Board</i>
Name of organization, Position	<i>Eurasian Journal of Soil Science (EJSS)</i> [e-ISSN: 2147-4249] – <i>Scientific Editor</i> [Global Impact Factor – 0.675]
Name of organization, Position	<i>International Research Journal of Public & Environmental Health</i> (IRJPEH), Journal Issues {ISSN: 2360-8803} – <i>Member of Editorial Board</i>
Name of organization, Position	<i>Journal of Environmental Biology</i> (JEB) [pISSN: 0254-8704; eISSN: 2394-0379] – Reviewer [Thomson Reuters Impact Factor 2017 – 0.697]

INTERNATIONAL ORGANIZING COMMITTEES

- (2019) International Conference on Climate Change, November 25-26, 2019, Dubai, United Arab Emirates – Member of Organizing Committee
 - (2016) GEOMED 2016 – 4th International Geography Symposium, May 23-26, 2016, Antalya, Turkey – Member of International Scientific Advisory Committee; Section chair
 - (2016) SEE-Osaka 2016 – 2nd International Conference on Science, Engineering & Environment, 21-23 Nov., Osaka, JAPAN – Section chair
 - (2016) ISCAS 2016 – The Selçuk International Scientific Conference on Applied Sciences, Sept. 27-30, Antalya, TURKEY – Member of Scientific Committee
 - (2015) ICAE-2015 – International Conference “Applied Ecology: Problems, Innovations”, May 7-10, 2016, Tbilisi-Batumi – Chair of Organizing Committee
 - (2015) ICEEE 2015 – International Conference on Energy, Environment & Earth Sciences, Dec. 12-13 Hangzhou, China – Member of International Scientific Advisory Committee
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ANOTHER TARGET ACTIVITY

- Representative Council (Senate) of Iv. Javakhishvili Tbilisi State University (2014-2018; 2018-2022) – *Member*
 - Scientific-Research Institute of Applied Ecology at the Faculty of Exact & Natural Sciences, TSU – *Director*
 - Chief of Doctoral Program “Applied Ecology” at the TSU
 - Co-chief of Master Program “Physical Geography & Sustainable Development” at the Faculty of Exact & Natural Sciences, Geography Department, TSU
 - Chief of Bachelor Program “Geography” at the Faculty of Exact & Natural Sciences, Geography Department, TSU
 - Soil Scientists Society of Georgia – Vice-president
 - Geographical Society of Georgia – Member of Scientific Board
 - Tempus Programme – Tuning Approach in the Georgian High Education, funded by the European Commission (2007-2008) – *Member of Earth Science Group*
 - Faculty of Exact & Natural Sciences (TSU) – *Chairman of Editorial Board in Geography*
 - Journal “TSU Sciences” (from 2013-2018) – *Member of Editorial Board*
 - (2012) National Atlas of Georgia – *Member of Editorial Board*
 - Caucasus Geographical Review – New Series – *Managing Editor*
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List of Recent Selected Publications

- Kereselidze D., Matchavariani L., Trapaidze V., Bregvadze G., Gaprindashvili G., Megrelidze I. Control of soil erosion measures on mountain slopes. *J. Environ. Biol.*, Special Issue “Environment, Biodiversity, Geography”, Vol. 41(2), 405-412 (2020)
- Lagidze L., Matchavariani L., Svanadze D., Khomasuridze G. Influence of meteorological factors on ecological conditions of the atmosphere in Tbilisi, Georgia. *J. Environ. Biol.*, Special Issue “Environment, Biodiversity, Geography”, Vol. 41(2), 391-395 (2020)
- The Soils of Georgia (*Editor Lia Matchavariani*) Word Soils Book Series, Springer. ISBN 978-3-030-18508-4, eBook ISBN 978-3-030-18509-1, Springer 2019, 179 p.
<https://www.springer.com/gp/book/9783030185084#otherversion=9783030185091>
- Matchavariani L. Introduction. Chapter 1: “The Soils of Georgia” (*Editor Lia Matchavariani*). ISBN 978-3-030-18508-4, eBook ISBN 978-3-030-18509-1, Springer, 2019, 1-7
- Matchavariani L., Kalandadze B. History of Soil Survey. Chapter 2: “The Soils of Georgia” (*Editor Lia Matchavariani*). ISBN 978-3-030-18508-4, eBook ISBN 978-3-030-18509-1, Springer, 2019, 7-18
- Matchavariani L. Soil-Forming Factors. Chapter 3: “The Soils of Georgia” (*Editor Lia Matchavariani*). ISBN 978-3-030-18508-4, eBook ISBN 978-3-030-18509-1, Springer, 2019, 19-50
- Matchavariani L. Soil Processes. Chapter 4: “The Soils of Georgia” (*Editor Lia Matchavariani*). ISBN 978-3-030-18508-4, eBook ISBN 978-3-030-18509-1, Springer, 2019, 51-66
- Matchavariani L., Kalandadze B. Soil Distribution and Properties. Chapter 5: “The Soils of Georgia” (*Editor Lia Matchavariani*). ISBN 978-3-030-18508-4, Springer, 2019, 67-124
- Kalandadze B., Matchavariani L. Soil Pollution. Chapter 8: “The Soils of Georgia” (*Editor Lia Matchavariani*). ISBN 978-3-030-18508-4, Springer, 2019, 153-179
- Tielidze L., Trapaidze V., Matchavariani L., Wheate R. Climate, Hydrography and Soils of Georgia. Chapter 2 in book “Geomorphology of Georgia”, Geography of the Physical Environment, Switzerland, Springer, 2019 15-34
- Metreveli G., Matchavariani L., Gulashvili Z. Method for Hydrological Parameters Definition of Silting Prism and Equilibrium Bed in Water Reservoirs. Proceedings of the 19th International Multidisciplinary Scientific GeoConference SGEM2019. “Water Resources, Forest, Marine & Ocean Ecosystems – Section: Hydrology and Water Resources”, vol. 19, Issue 3.1, Albena, Bulgaria, 2019, 363-368
- Avkopashvili M., Gongadze A., Matchavariani L., Avkopashvili G., Avkopashvili I. Soil, Air and Water Pollution by Manganese Industry in Imereti Region, Georgia. Proceedings of the 19th International Multidisciplinary Scientific GeoConference SGEM2019. “Water Resources, Forest, Marine & Ocean Ecosystems – Section: Soils”, vol. 19, Issue 3.2, Albena, 2019, 417-424
- Gongadze A., Matchavariani L., Avkopashvili M., Avkopashvili G. Accumulation and Distribution of Heavy Metals in Soils from the Explosions by Mining-Processing Poly-metallic Plant. Proceedings of the 18th International Multidisciplinary Scientific Geo-Conference SGEM2018. “Water Resources, Forest, Marine & Ocean Ecosystems”, 2018, vol. 18, issue 3.2, Albena, Bulgaria, 11-18
- Matchavariani L., Metreveli G., Lagidze L., Gulashvili Z., Svanadze D., Paichadze N. Positive Aspects of Studying the Sedimentation in Reservoirs through the Natural Experiment. *Journal of Environmental Biology*. Special Issue “Environment and Ecology”, 2017, vol. 38(5), 1155-1159
- Lagidze L., Matchavariani L., Metreveli G., Tsvitshivadze N., Paichadze N. Evaluation of Climatic Parameters of Black Sea Coastline in the Background of Climate Change. *Journal of Environmental Biology*. Special Issue “Environment and Ecology”, 2017, vol. 38(5), 1069-1077

- Kereselidze D., Matchavariani L., Trapaidze V., Bregvadze G. Assessment of the Riverside Vulnerability. *Journal of Environmental Biology*. Special Issue "Environment and Ecology, Sept., 2017, vol. 38(5), 1025-1031
- Matchavariani L., Metreveli G., Lagidze L., Svanadze D., Gulashvili Z. Solution of Reservoirs' Siltation Problem for Hydropower Development and Coastal Protection. *International Journal of GEOMATE*, 2017, vol. 13(39), 206-212
- Lagidze L., Matchavariani L., Tsivtsivadze N., Bregvadze G., Motsonelidze N., Paichadze N. The Influence of Circular Processes on Change in Precipitation in the Scope of Climate Change. *International Journal of GEOMATE*, 2017, vol. 13(39), 213-219
- Matchavariani L., Metreveli G., Svanadze D., Gulashvili Z. Spatial-temporal distribution, genesis and transportation of bottom sediments. *Proceedings of the 17th International Scientific Geo-Conference SGEM2017, Hydrology & Water Resources – Marine & Ocean Ecosystems*, 2017, Vol. 17, Issue 31, 617-623
- Metreveli G., Matchavariani L. Research Method of Silting the Mountain Reservoirs under the Current Climate Change. *Journal of Water Resources and Ocean Science*. Science Publishing Group, 2016, vol. 5(2), 22-27
- Matchavariani L., Metreveli G., Alaverdashvili M., Lagidze L., Svanadze D., Gulashvili Z., Bregvadze G. Results of Field Experiments of Reservoirs' Siltation for Harmonious Realization of Hydropower and Coastline Problems. *Second International Conference on Science, Engineering & Environment, SEE-Osaka*, 2016, Japan, 639-644
- Matchavariani L., Metreveli G., Lagidze L., Paichadze N. Siltation Problem of Mountainous Reservoirs and its Solution for Sustainable Hydropower. *Proceedings of the 16th International Scientific Geo-Conference SGEM2016, Hydrology & Water Resources*, 2016, vol.1, 661-667
- 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. *Journal of Environmental Biology*. Special Issue of JEB, 36(1), 2015, 85-91
- Basilashvili Ts., Matchavariani L., Lagidze L. Desertification Risk in Kakheti Region, East Georgia. *Journal of Environmental Biology*. Special Issue of JEB, 2015, 36(1), 33-37
- Lagidze L., Matchavariani L., Tsivtsivadze N., Khidasheli N., Paichadze N. Medical Aspects of Atmosphere Pollution. *Journal of Environmental Biology*. Special Issue of JEB, 2015, 36(1), 101-107 [IF: 0.56]
- Khatisashvili G., Matchavariani L., Gakhokidze R. Improving Phytoremediation of Soil Polluted with Oil Hydrocarbons in Georgia. Chapter 19 in book "Soil Remediation and Plants: Prospects and Challenges". ELSEVIER - Amsterdam · Boston · Heideleberg · London · New York · Oxford · Paris · San-Diego · San-Francisco · Singapore · Sydney · Tokyo, 2015, 547-569
- Matchavariani L., Lagidze L., Paichadze N. Intensity, Distribution and Role of Profile-forming Processes in Pedogenesis of Georgia. *Proceedings of the 15th International Multidisciplinary Scientific Geo Conference SGEM2015. Water Resources, Forest, Marine and Ocean Ecosystems*, Section: "Soils", 2015, vol. 2, Albena, Bulgaria, 199-206
- Nikolaishvili D., Matchavariani L. Impacts of Climate Change on Georgia's Mountain Ecosystems. Chapter 10: "Climate Change Impacts on High-Altitude Ecosystems". Springer Intern. Publishing Switzerland, 2015, 245-275
- Kereselidze D., Matchavariani L., Trapaidze V., Lagidze L., Dokhnadze G., Tkhillava N., Gokhelashvili N. Evaluation & Management of the Risk of Flooding River Bank. *Engineering Geology for Society and Territory*, Springer International Publishing Switzerland, 2015, vol. 3, 463-469
- Matchavariani L., Nikolaishvili D. Forms and Extent of Ferrugination in Soils of Georgia, *American Journal of Environmental Protection*. Special Issue: Applied Ecology: Problems, Innovations, 2015, vol. 4, No. 3-1, 157-161

- Tsvitsivadze N., Matchavariani L., Lagidze L., Paichadze N. Problem of Surface Water Ecology in Georgia. Chapter 24: "Environment and Ecology in the Mediterranean Region-II. Cambridge Scholars Publishing, UK, 2014, 283-194
- Matchavariani L., Jamaspashvili N., Beruchashvili L., Beruchashvili N., Paichadze N. Ecological Corridors and Spatial Organization for Protected Areas of the Small Caucasus, Georgia. Proceedings of the 14th International Multidisciplinary Scientific GeoConference SGEM2014. Book-5, "Ecology, Economics, Education & Legislation", Section: Ecology & Environmental Protection, 2014, Albena, Bulgaria, vol.1, 221-229
- Kereselidze D.N., Matchavariani L.G., Kalandadze B.B., Trapaidze V.Z. Allowable Soil Erosion Rates in Georgia. Eurasian Soil Science, Springer, 2013, vol. 46, #4, 438-446
- Matchavariani L. Time Factor in Soils of Georgia – Mirror or Memory of Landscapes? Journal of Environmental Biology. Special Issue, 2012, 33(2), 393-400
- Matchavariani L. Anthropogenic influence on irrigation water objects in Georgia as a part of the hydro-ecosystem. Quaternary International. Elsevier, 2012, volumes 279-280
- Matchavariani L., Lagidze L., Environment Transformation in Georgia as a result of Climate Change. Chapter 35: "Environment and Ecology in the Mediterranean Region. Cambridge Scholars Publishing", 2012, 379-393
- Matchavariani L. Kalandadze B. Pollution of Soils by Heavy Metals from Irrigation near Mining Region of Georgia. Forum Geographic, 2012, vol. XI, Issue 2, 127-137
- Nikolaishvili D., Matchavariani L., Demetrashvili O. Methodology of Determining the Agri-tourism Potential on Georgia's Example. Journal of Tourism Challenges and Trends –Rural Tourism, 76, 2011, vol. IV, No 1, 59-76
- Nikolaishvili D., Matchavariani L. Humus Reserves and Their Distribution in the Landscapes of Georgia. Eurasian Soil Science, Springer, 2010, vol.43, #1, 39-48
- Matchavariani L.G. Morphogenetic Typification of Concretions in Subtropical Podzolic Soils of Georgia. Eurasian Soil Science, Springer, 2005, vol. 38, #11, 1161-1172