

List of Published Works

Melikadze Giorgi

# Nr	Publication title	printed or handwritten	Source title	Number of printed pages	Last name of the co- authors
1	2	3	4	5	6
1	Assessment of Water Karstic Resource in the Alazani Basin, Georgia (with impact factor)	printed	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES, vol. 17, no. 1, 2023 (Eng)	pp.81-88	Peter Malik, Sopio Vepkhvadze, Genadi Kobzev, Ludmila Glonti, Tornike Chikadze, Nino Sadradze, Victor Alania, Onise Enukidze, Alexander Gventsadze, Alexander Razmadze
2	Stable isotopes of oxygen and hydrogen in precipitation and river water in Georgia (with impact factor)	printed	Journal of Hydrology and Hydromechanics, VOLUME 71, 2023 (Eng)	pp.248-258	Ladislav Holko, Mariam Todadze, Ramaz Chitanava, Aleksandre Chankvetadze, Tornike Chikadze, Alexander Gventsadze, Merab Gaphrindashvili
3	Variation of Geophysical Parameters During Preparation of Seismic Events in Georgia (2023)	printed	International Scientific Conference "Geophysical Processes in the Earth and its Envelopes". Proceedings, ISBN 978-9941-36-147-0, Publish House of Iv. Javakhishvili Tbilisi State University, November 16-17, 2023. (Eng)	pp. 38-41.	T. Jimsheledze, G. Kobzev, A. Tchankvetadze
4	Study Water Cycle Process on the Territory of Georgia	printed	International Scientific Conference "Geophysical Processes in the Earth and its Envelopes". Proceedings, ISBN 978-9941-36-147-0, Publish House of Iv. Javakhishvili Tbilisi State University, November 16-17, 2023. (Eng)	pp. 94-98.	M. Todadze, A. Tchankvetadze, R. Chitanava, M. Gaphrindashvili, T. Chikadze
5	Assessment Reservoir Temperature of West Georgian Geothermal Deposit by Application of Silica-Enthalpy Mixing Method	printed	International Scientific Conference "Geophysical Processes in the Earth and its Envelopes". Proceedings, ISBN 978-9941-36-	pp. 99-101.	N. Kapanadze, I. Forizs, E. Chikviladze

			147-0, Publish House of Iv. Javakhishvili Tbilisi State University, November 16-17, 2023. (Eng)		
6	Indoor Radon Concentrations in Selected Buildings of Georgia	printed	International Scientific Conference "Geophysical Processes in the Earth and its Envelopes". Proceedings, ISBN 978-9941-36-147-0, Publish House of Iv. Javakhishvili Tbilisi State University, November 16-17, 2023. (Eng)	pp. 315-318	N. Kapanadze, A. Tchankvetadze, M. Todadze, T. Jimshehadze, Sh. Gogichaishvili, L. Chelidze, E. Chikviladze, J. Vaupotič
7	Seismic Evidence of Normal Faulting in the Rioni Foreland Fold and Thrust Belt, Georgia (with impact factor)	printed	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES, vol. 17, no. 4, 2023. (Eng)	pp. 61-67	Victor Alania, Anzor Giorgadze, Tamar Beridze, Onise Erukidze, István Fórizs, Levan Gorgidze, Laszlo Palsco, Alexander Razmadze
8	Geophysical Reactions to Remote 2022 Tonga Eruption and to Türkiye Earthquakes in Georgia (Caucasus): Hydrogeology, Geomagnetism and Seismicity (with impact factor)	printed	Open Journal of Earthquake Research, Vol. 12 No. 4, November 30, 2023 (Eng)	pp. 223-237	Tamaz Chelidze, Genady Kobzev, Tamar Jimshehadze, Nadezhda Dovgal
9	Investigate Depth of Water Table and Thickness of Aquifer Using Geophysical (Electrometric) Methods, the Case in the Sachkhere Municipality	printed	Mikheil Nodia Institute of Geophysics, Transactions, ISSN 1512-1135, vol. LXX; 2019 (GEO)	pp. 46-55	Razmadze-Brokishvili, T. Varamashvili, N. Chikadze, T. Kajaia, G.
10	Could atmospheric carbon bedriving sedimentation? (with impact factor)	printed	Journal of Soils and Sediments, Volume 22, Issue 11, Springer Berlin Heidelberg, 2022 (Eng)	pp. 2912-2928	Andrija Vinković, Gennadiy Laptyev, Günseli Yaprak, Krasimira Slavova, Danijela Joksimović, Tamara Troskot-Čorbić, Marina Frontasyeva, Octavian G Dului, Elida Bylyku, Manjola Shyti, Famil Humbatov, Mirza Nuhanović, Narcisa Smječanin, Tzvetana Nonova, Lyuben Dobrev, Ioannis Pashalidis, Alexandra Ioannidou, Christos

					Tsbaris, Almira Aidarkhanova, Daniela David, Inga Zinikovskaia, Alexander Kamnev, Milena Horvat, Marijan Nečemer, Radojko Jaćimović, Haluk Yucel, Yakup Kalayci, Abdullah Dirican, Ilker Sert, Marina Plotsen, Kyrylo Korychenskyi, Sam Matar Adam Khatir, Sylvia G Sander, Katherina Deufrains, Hana Fajković, Tin Klanjšček, Neda Vdović, Tarzan Legović, Jasmina Obhodaš
11	Deformation structural style of the Iori foreland fold-and-thrust belt, western greater caucasus: Insight from the balanced cross-section (with impact factor)	printed	Frontiers in Earth Science, Volume 10, 2022 (Eng)	pp. 1-14	Victor Alania, Paolo Pace, István Fórizs, Tamar Beridze, Onise Enukidze, Anzor Giorgadze, Alexander Razmadze
12	Earthquake forecast as a machine learning problem for imbalanced datasets: example of Georgia, Caucasus (with impact factor)	printed	Frontiers in Earth Science 01 March 2022 Sec. Geohazards and Georisks Volume 10 – 2022 (Eng)	pp. 1-11	Tamaz Lucka Chelidze, Tengiz Kiria, Tamar Jimsheladze, Gennady Kobzev
13	Phase Shift of Water Response to Gravity in Georgian Wells.	printed	Mikheil Nodia Institute of Geophysics, Transactions, ISSN 1512- 1135, vol. LXXV; Tbilisi, 2022 (Ru)	pp. 31-39	Kobzev, G. Jimsheladze, T
14	Hydrodynamic anomalies related with preparation of Earthquakes mag. 4 in Georgia	printed	International Conference of Young Scientists "Modern Problems of Earth Sciences" Proceedings, ISBN 978- 9941-36-044-2 Tbilisi, Georgia, November 21-22, 2022 (Eng)	pp. 22-25	Jimsheladze T. Kobzev G. Tchankvetadze A. Razmadze Brokishvili T.
15	Revealed of Hydrodynamic Anomalies in Boreholes of Georgia Caused by Earthquakes	printed	Journals of Georgian Geophysical Society, 24(2).2021 (Eng)	pp. 30 - 34	Jimsheladze T. Kobzev G. Tchankvetadze A
16	Reaction of Georgian Wells to Remote and Nearby	printed	Journals of Georgian Geophysical Society,	pp. 35-37	Jimsheladze T. Kobzev G.

	Earthquakes. Similarities and Differences		24(2). 2021 (Eng)		
17	Identification of the groundwater aquifer by geophysical (electrical survey) methods on the example of Gudauri area and degree of its hydro-geological study	printed	Journal of the Georgian Geophysical Society E-ISSN: 2667-9973, V. 24. (2) 2021 (Eng)	pp. 38-42	Nodar Varamashvili, Nana Khundadze, Tamar Razmadze- Brokishvili, Nino Kapanadze, Aleksandre Tchankvetadze, Tornike Tchikadze
18	Stationary microtemperature borehole measurements and analysis of temporal impacts (with impact factor)	printed	Environmental Earth Sciences, Springer Berlin Heidelberg, Volume(80), 2021 (Eng)	pp. 1-7	Tamar Jimsheladze, Günter Buntebarth, Nino Kapanadze.
19	Oni Water Reaction on Earthquake in 2021	printed	International Scientific Conference „Natural Disasters in the 21st Century: Monitoring, Prevention, Mitigation“. Proceedings, ISBN 978-9941-491-52-8, Tbilisi, Georgia, December 20-22, 2021. Publish House of Iv. Javakhishvili Tbilisi State University, Tbilisi, 2021, (Eng)	pp.10 - 12	Kobzev, G. Jimsheladze, T. Karel, R. Tchankvetadze, A.
20	Radon Concentration in Water on the Several Regions of Georgia	printed	International Scientific Conference „Natural Disasters in the 21st Century: Monitoring, Prevention, Mitigation“. Proceedings, ISBN 978-9941-491-52-8, Tbilisi, Georgia, December 20-22, 2021. Publish House of Iv. Javakhishvili Tbilisi State University, Tbilisi, 2021 (Eng)	pp. 127 – 129	J. Vaupotič, N.Kapanadze, A.Tchankvetadze, L. Chelidze, M. Todadze, Sh. Gogichaishvili, T. Jimsheladze
21	Radon Distribution on the Territory of West Georgia	printed	Journals of Georgian Geophysical Society 23(2). 2020 (Eng)	pp. 10-13	Nino Kapanadze, Aleksander Chankvetadze, Ketevan Kotetishvili, Lika Chelidze, Irma Giorgadze
22	Determining the Hydrodynamic Parameters of the Aquifer and Assessment of Proven Reserves in the Territory Adjacent to the City of Sachkhere	printed	Mikheil Nodia Institute of Geophisics, Transactions, ISSN 1512-1135, vol. LXXII; (GEO)	pp. 30-39	Khundadze, N. Razmadze-Brokishvili, T.
23	Reaction of the Hydrodynamic	printed	Journals of Georgian		Tamar Jimsheladze,

	Network on the Earthquake Preparation Process in Georgia		Geophysical Society 23(2). 2020. (Eng)		Genadi Kobzev, Aleksandre Tchankvetadze
24	Statistical and non-linear dynamics methods of earthquake forecast: Application in the Caucasus (with impact factor)	printed	Frontiers in Earth Science, Sec. Solid Earth Geophysics Volume 8 - 2020 (Eng)	pp. 1-15	Tamaz Chelidze, Tengiz Kiria, Tamar Jimsheladze Gennady Kobzev
25	Daily temperature variations at the subsurface combined with water level records in Ajameti, Georgia	printed	International Journal of Terrestrial Heat Flow and Applied Geothermics, Volume 3, Issue 1., 2020. (Eng)	pp. 38-44	Günter Buntebarth, Tamar Jimsheladze, Genadi Kobzev
26	Time Difference of Water Level in Deep Boreholes of Georgia	printed	Mikheil Nodia Institute of Geophisics, Transactions, ISSN 1512-1135, vol. LXXII; Tbilisi, 2020, (Ru)	pp. 19 - 25.	Kobzev, G. Kereselidze, Z. Jimsheladze, T.
27	The Affectivity Assessment of the Hydrodynamic Indicator for Seismic Activities on the Basis of Local Borehole Network (with impact factor)	printed	BULLETIN OF THE GEORGIAN NATIONAL ACADEMY OF SCIENCES, vol. 14, no. 3. 2020 (Eng)	pp. 101-1087	Tamar Jimsheladze, Genadi Kobzev, Zurab Kereselidze
28	The history of the surface temperature at Ajameti/Georgia as extracted from long-term temperature records in the subsurface	printed	International Journal of Terrestrial Heat Flow and Applied Geothermics, Vol 2 No 1 (2019): (Eng)	pp. 6-10	Tamar Jimsheladze, Günter Buntebarth.
29	Hydrodynamic and seismic response to teleseismic waves of strong remote earthquakes in Caucasus (with impact factor)	printed	Acta Geophysica, Vol 67., Springer International Publishing. 2019. (Eng)	pp.1-16	Tamaz Chelidze, Gennady Kobzev, Ia Shengelia, Nato Jorjiashvili, Ekaterine Mepharidze
30	Organization Stable Isotope Monitoring Network on the Territory of Georgia	printed	Journals of Georgian Geophysical Society, Vol 22, 2019 (Eng)	pp.16-20	Marina Todadze, Aleksandre Tchankvetadze, Aleksandre Gventsadze, Ramaz Chitanava, Merab Gaprindashvili
31	Chemical Survey and Reservoir Temperature Estimations of Tbilisi Geothermal Deposit by Application of Silica-Enthalpy Mixing Method	printed	Journal of the Georgian Geophysical Society, ISSN: 1512-1127 Physics of Solid Earth, Atmosphere, Ocean and Space Plasma, v. 22(2), 2019. (Eng)	pp. 10 - 15	Nino Kapanadze, Istvan Forizs, Sophio Vepkhvadze, Marina Todadze, Elene Chikviladze, Ludmila Ghlonti

32	Using Stable Isotopes for Karstic Water Origin Assessment in Georgian Caucasus Mts.	printed	Journal of the Georgian Geophysical Society, ISSN: 1512-1127 Physics of Solid Earth, Atmosphere, Ocean and Space Plasma, v. 22(2), 2019. (Eng)	pp. 21-24	Peter Malik, Sophio G Vepkhvadze, Marina Sh Todadze, Ludmila E Ghlonti, Tornike G Chikadze
33	The Water Response to Gravity in Deep Wells in Georgia. The Methods of Calculation	printed	Mikheil Nodia Institute of Geophysics, Transactions, ISSN 1512-1135, vol. LXX; Tbilisi, 2019 (Ru)	pp. 133-143.	Kobzev, G. Kereselidze, Z. Jimsheladze, T.
34	Probable Influence of the Earth's Electromagnetic Impedance on Pc3- Pc5 Pulsation Spectrum During an Earthquake Preparation Process	printed	International Scientific Conference "Natural Disasters in Georgia: Monitoring, Prevention, Mitigation". Proceedings, ISBN 978-9941- 13-899-7, Publish Hous of Iv. Javakhishvili Tbilisi State University, December 12-14, 2019 (Eng)	pp. 16-18.	T. Jimsheladze, G. Kobzev, T. Matiashvili
35	Evaluation of Electromagnetic Radiation Power in Connection with Seismic Activity in the Tskaltsminda-Ureki Geomagnetic Anomaly Area	printed	International Scientific Conference "Natural Disasters in Georgia: Monitoring, Prevention, Mitigation". Proceedings, ISBN 978-9941- 13-899-7, Publish Hous of Iv. Javakhishvili Tbilisi State University, December 12-14, 2019 (Eng)	pp. 23-26.	Z. Kereselidze, T. Jimsheladze
36	Reaction of the Geomagnetic Network on the Earthquakes Preparation Process in Georgia	printed	Journals of Georgian Geophysical Society, 22(1),2019 (Eng)	pp.16-22	Tamar Jimsheladze, Genadi Kobzev, Marina Devidze, Robert Gogua, Tamaz Matiashvili, Nino Goguadze, Elene Chikviladze, Aleksandre Tchankvetadze, Nino Kapanadze, Ketevan Qurtsikidze
37	Recharge and dynamics of a karst groundwater system in Kakheti (Eastern Georgia) (with impact factor)	printed	Austrian Journal of Earth Sciences VOLUME 112 (2019): (Eng)	pp.42-49	Vepkhvadze S., Todadze m., Malik P., Gventsadze A
38	Results of the simultaneous measurements of radon around the Black Sea for seismological	printed	Journal of environmental radioactivity, Vol 192, 2018.	pp.48-66	I. Nevinskya, T. Tsvetkovaa, M. Dogrub,

	applications (with impact factor)		(Eng)		E. Aksoyc, M. Inceozc, O. Baykarad, F. Kulahcie.
39	Temperature gradient measurements in hydrothermal areas of Georgia	printed	International Journal of Terrestrial Heat Flow and Applied Geothermics, Vol 1, 2018 (Eng)	pp. 14-17	Sepehr Sangin, Günter Buntebarth, Andreas Weller.
40	Using Stable Isotopes Application for Assessment Water Resource Under the Climate Change Condition	printed	International Scientific Conference „Modern Problems of Ecology“, Proceedings, ISSN 1512-1976, v. 6, Kutaisi, Georgia, 21-22 September, 2018. (GEO)	pp. 116-119	Zjukova, N. Zappa, M. Todadze, M. Vepkhvadze, S. Kapanadze, N.
41	Study of Stress Variation in the Lithosphere by Multidisciplinary Monitoring	printed	International Scientific Conference „Modern Problems of Ecology“, Proceedings, ISSN 1512-1976, v. 6, Kutaisi, Georgia, 21-22 September, 2018. (GEO)	pp. 112-115	Jimsheladze, T. Kobzevi, G. Kereselidze, Z. Gogvadze, N. Gogua, R. Matiashvili, T. Devidze, M. Tchankvetadze, A.
42	Evidence for Submarine Groundwater Discharge into the Black Sea—Investigation of Two Dissimilar Geographical Settings	printed	Water 2017, 9(7), 468 (Eng)	pp.1-12	Michael Schubert, Kay Knöller, Reiner Stollberg, Ulf Mallast, Gyongyi Ruzsa
43	Using stable and radioactive isotopes for assessment of origin and sustainable management of groundwater resources (with impact factor)	printed	Bull. Georg. Natl. Acad. Sci, Volume 11 (Eng)	pp.47-53	Lika Chelidze, Sopio Vepkhvadze, Mariam Todadze
44	Variation of Geophysical Parameters During Preparation of Seismic Events	printed	Journals of Georgian Geophysical Society, 20. 2017 (Eng)	pp.10-21	Tamar Jimsheladze, Genadi Kobzev, Aleksandre Tchankvetadze
45	M9 Tohoku Earthquake Hydro- and Seismic Response in the Caucasus and North Turkey (with impact factor)	printed	Acta Geophysica, Volume 64. 2016 (Eng)	pp.567-588	T. Chelidze, I. Shengelia, N. Zhukova, T.Matcharashvili, G. Kobzev
46	Hydrodynamic and geomagnetic anomalies related with preparation of earthquakes in Caucasus	printed	Journals of Georgian Geophysical Society, 19(20). 2016 (Eng)	pp. 84-103	Tamar Jimsheladze, Genadi Kobzev, Alexandre Tchankvetadze, Marina Devidze
47	Hydrodynamic anomalies as precursors of average degree earthquakes in Georgia	printed	Mikheil Nodia Institute of Geophisics, Transactions, vol. LXVI; ISSN 1512-1135,	pp. 265-277	Jimsheladze, T. Kobzev, G. Chankvetadze, A.

			თბილისი, 2016. (GEO)		
48	A Tri-National program for estimating the link between snow resources and hydrological droughts	printed	Proceedings of the International Association of Hydrological Sciences, vol 369, 2015 (Eng)	pp.25-30	M. Zappa, T. Vitvar, A. Rücker, L. Bernhard, V. David, M. Jans-Singh, N. Zhukova, M. Sanda
49	Methodologically detection of distribution in geodynamic field of the Earth during preparation the earthquakes	printed	Journals of Georgian Geophysical Society, vol 18, 2015 (Eng)	pp.3-12	Tamar Jimsheladze, Genadi Kobzev, Aleksandre shankvetadze, Marina Devidze, Nino Kapanadze.
50	Preliminary result of monitoring hydrological cycle in the Gudjareti catchment	printed	Journals of Georgian Geophysical Society, vol 18, 2015 (Eng)		Natalia Zhukova, Mariam Todadze, Sophio Vepkhvadze
51	Numerical modelling of groundwater system in the East Georgia's lowland	printed	Journals of Georgian Geophysical Society, 18(18). 2015 (Eng)	pp.59-66	Natalia Zhukova, Mariam Todadze, Sophio Vepkhvadze Tornike Chikadze
52	Some Bioclimatic Indices of the Health Resort-Tourist Complex of Bazaleti Lake (Georgia)	printed	Journals of Georgian Geophysical Society, 18(19). 2015 (Eng)	pp.116-123	Teimuraz Bliadze, Victor Chikhladze, Nino Japaridze, Ketevan Khazaradze, Rusudan Khazaradze, Nodar Varamashvili, Sopio Vepkhvadze
53	A new method of snowmelt sampling for water stable isotopes (with impact factor)	printed	Hydrological Processes, vol. 28.2014 (Eng)	pp. 5637-5644	Daniele Penna, Manzoor Ahmad, Sandra J Birks, Lhoussaine Bouchaou, M Brenčič, Saira Butt, Ladislav Holko, Ghulam Jeelani, Daniel Emilio Martinez, JB Shanley, Sergey A Sokratov, Trish Stadnyk, Atsuko Sugimoto, Polona Vre
54	Method of standard deviation for analysis of hydrogeodynamic parameter	printed	Nano Studies, 2014 (Eng)	pp.155-162	A.. Gevorgyan, A. Khangaldyan, S. Mavrodiev, M. Adibekyan, G. Sborshchikov, G. Kobzev, T. Jimsheladze
55	Assessment of the geothermal potential of West Georgia	printed	Nano Studies, 2014 (Eng)	pp.123-128	N. Kapanadze, G. Kobzev,

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