

Title of the paper	Author (s)	Type of publication (monograph, textbook, article, conference proceedings)	Publishing house / magazine name, publication date / magazine number, pages
Anomalies of frost characteristic parameters in the territory of Eastern Georgia in the background of current climate change	Naili Kapanadze, Marika Tatishvili, Irine Mkurnalidze, Ana Palavandishvili	article	International Scientific Conference "Geophysical Processes in the Earth and its Envelopes" Tbilisi, Georgia, November 16-17, 2023. pp. 175-180. ISBN 978-9941-36-147-0
Dry thunderstorm as a cause of forest fires	I. Mkurnalidze N.Kapanadze,	article	International Scientific Conference "Geophysical Processes in the Earth and its Envelopes" Tbilisi, Georgia, November 16-17, 2023. pp. 175-180. ISBN 978-9941-36-147-0
Classification of hazardous events according to international standards. /	Kapanadze Naili, Tatishvili Marika, Mkurnalidze Irene	article	SCIENTIFIC REVIEWED PROCEEDINGS OF THE INSTITUTE OF HYDROMETEOROLOGY OF THE GTU, V.133, 2023, v. 133,-pp.117-123. ISSN 1512 – 0902, doi.org/10.36073/ 1512 – 0902,
Methods for protecting vineyards and orchards from early frosts	Mkurnalidze I. Kapanadze N.	article	SCIENTIFIC REVIEWED PROCEEDINGS OF THE INSTITUTE OF HYDROMETEOROLOGY OF THE GTU, V.133, 2023 , v. 133,-pp 124-128 ISSN 1512 – 0902, doi.org/10.36073/ 1512 – 0902,

Hydrometeorological study of the Iori river basin in order to create system an integrated water resources management	Kapanadze N. Tsintsadze T. Mkurnalidze I./	article	Scientific Reviewed Proceedings of the Institute of Hydrometeorology of the Gtu : Vol.№ 132. – 2022. - p 28-35 ISSN 1512-0902
SOME ASPECTS OF THE DEVELOPMENT OF PRECIPITATION REGULATION WORKS IN EASTERN GEORGIA	Kapanadze N., Mkurnalidze I., Pipia M	article	International Conference of Young Scientists "Modern Problems of Earth Sciences" Proceedings, ISBN 978-9941-36-044-2, Tbilisi, Georgia, November 21-22, 2022 pp. 145-150 University Press ISBN978-9941-36-044-2
LIGHTNING AND ITS EFFECTS ON HUMANS.	Mkurnalidze I., Kapanadze N., Khutsishvili E	article	International Conference of Young Scientists "Modern Problems of Earth Sciences" Proceedings, ISBN 978-9941-36-044-2, Tbilisi, Georgia, November 21-22, 2022 pp. 151-153 University Press ISBN 978-9941-36-044-2
Development of an adaptation strategy to climate change for the Iori River Basin	Naili Kapanadze, Irine Mkurnalidze	article	International Scientific. Conference "Modern problems of ecology". Batumi, Georgia, October 16-17, 2022, p. 59-63. ISSN 1512-1976
RETROSPECTIVE ANALYSIS OF ARTIFICIAL REGULATION OF PRECIPITATION	Kapanadze N., Mkurnalidze I., Pipia M	article	Transactions of Mikheil Nodia Institute of Geophysics, ISSN 1512-1135, vol. LXXV, 2022, pp.76-92.

Studies of the influence of galactic cosmic rays on the cloud cover of the Earth (Review of Research in Recent Decades) 2021	I. Mkurnalidze N. Kapanadze.	article	Journal of the Georgian Geophysical Society, Physics of Solid Earth, Atmosphere, Ocean and Space Plasma, v. 24(2). pp.59-63. ISSN: 1512-1127 E-ISSN: 2667-9973
Passive and Active Lighting Protection	Irina P. Mkurnalidze, Naili I. Kapanadze	article	International Scientific Conference „Natural Disasters in the 21st Century: Monitoring, Prevention, Mitigation“/ Proceedings, Tbilisi, Georgia, December 20-22, 2021/. Publish House of Iv. Javakhishvili Tbilisi State University, Tbilisi, 2021, pp. 181 - 183.
Studies of the influence of galactic cosmic rays on the cloud cover of the Earth (Review of Research in Recent Decades)	Irina P. Mkurnalidze, Naili I. Kapanadze	Article	Journal of the Georgian Geophysical Society, Physics of Solid Earth, Atmosphere, Ocean and Space Plasma/2021 v. 24(2). pp.59-65.
Major resources of river basins, functions and integrated management systems	N. Kapanadze, T. Tsintsadze,	article	Scientific Reviewed Proceedings Of The Institute Of Hydrometeorology Of The Georgian Technical University/ Vol.№131. -2021. - pp. 67-71.
Cloudiness and cosmic rays	N. Kapanadze I.Mkurnalidze	article	Scientific Reviewed Proceedings Of The Institute Of Hydrometeorology Of The Georgian Technical University/ Vol.№131. -2021. - pp. pp. 72-76.
Temporal Changes of Near-Surface Air Temperature in Poland for 1781-2016 and in Tbilisi (Georgia) for 1881-2016	R. Modzelewska, M. V. Alania, N. I. Kapanadze, E. I. Khelaia	article	https://agupubs.onlinelibrary.wiley.com/journal/23335084/Journal Earth and Space Science Poland 2020/v.7, N 10,12 pp.

Precipitation Enhancement Activities in Georgia	Bakur Beritashvili Tengiz Tsintsadze Naili Kapanadze	monograph	Institute Of Hydrometeorology Of The Georgian Technical University/ Tbilisi 2020/122 pp.
COSMIC RAYS AND THEIR INFLUENCE ON THE EARTH'S ATMOSPHERE (CONTEMPORARY ACHIEVEMENTS)	Mkurnalidze I., Kapanadze N.	article	International Scientific Conference „Modern Problems of Ecology“ Proceedings/ v. 7, Tbilisi-Telavi, Georgia, 26-28 September, 2020, pp.279-283.
The legislative aspects of precipitation artificial modification activities	Kapanadze N., Beritashvili B., TsintsadzeT.	article	SCIENTIFIC REVIEWED PROCEEDINGS OF THE INSTITUTE OF HYDROMETEOROLOGY OF THE GTU/V.129, 2020, pp.97-102
Analysis of air temperature variations in Tbilisi	Kapanadze N., Mkurnalidze I.	article	Scientific Reviewed Proceedings of the Institute of Hidrometeorology of the GTU/V.129, 2020, pp.102-108
To the Memories of Bakur Beritashvili (1940-2019)	N.Kapanaadze	Article	Journal of the Georgian Geophysical Society, Physics of Solid Earth, Atmosphere, Ocean and Space Plasma, 2019/v.22(1), pp. 53 - 57
SEASONAL DISTRIBUTION OF THUNDERSTORMS IN GEORGIA	Mkurnalidze I. Kapanadze N.,	article	International Scientific Conference “Natural Disasters in Georgia: Monitoring, Prevention, Mitigation”. Proceedings, Publish Hous of Iv. Javakhishvili Tbilisi State University, December 12-14, 2019, pp. 105-108.

TBILISI AIR TEMPERATURE FLUCTUATIONS AGAINST THE BACKGROUND OF	Kapanadze N., Mkurnalidze I.	article	International Scientific Conference “Natural Disasters in Georgia: Monitoring, Prevention, Mitigation”. Proceedings, Publish House of Iv. Javakhishvili Tbilisi State University, December 12-14, 2019, pp. 82-85.
On the prospect of including precipitation artificial increasing works in the integrated water resources management system in Eastern Georgia	Beritashvili B., Kapanadze N., Tsintsadze T	article	Scientific Reviewed Proceedings of the Institute of Hidrometeorology of the GTU/ - 2019 - vol.127 - pp.41-43.
Prospects of restoring precipitation artificial enhancement works with regard to climatic data.	Beritashvili B., Kapanadze N.	article	Scientific Reviewed Proceedings of the Institute of Hidrometeorology of the GTU/ - 2019 - vol.127 - pp. 36-40.
Experience of WEAP 21 Integrated Water Resource Management Model.	B. Beritashvili, N. Kapanadze, S. Mdivani.	article	Scientific Reviewed Proceedings of the Institute of Hidrometeorology of the GTU/ - 2019 - vol.125 - pp. 77-82.
Overview of activities carried out since 1980es in Georgia on the problem of integrated management of water resources.	T. Tsintsadze, B. Beritashvili, N. Kapanadze, S. Mdivani	article	Scientific Reviewed Proceedings of the Institute of Hidrometeorology of the GTU/ - 2019 - vol.125 - pp. 27-38.
PROBLEMS OF SUSTAINABLE DEVELOPMENT OF TBILISI RELATED WITH THE EXPECTED CLIMATE WORMING FOR THE END OF THE CURRENT CENTURY	Beritashvili B., Kapanadze N.	article	International Scientific Conference „Modern Problems of Ecology“ Proceedings/Kutaisi, Georgia, 21-22 September, 2018, v., pp.152-156.

The Statistical Distribution of Strong Wind in the Imereti Region and its Role in the Evolution of Ecological Processes	Kapanadze N., Khvedelidze Z., Zotikishvili N.	article	International Scientific Conference „Modern Problems of Ecology“ Proceedings/Kutaisi, Georgia, 21-22 September, 2018, v., pp. 139-143.
Variability of High Winds Regime in the R. Mtkvari (Kura) Gorge	Naili Kapanadze, Bakur Beritashvili, Zurab Khvedelidze, Nanuli Zotikishvili	article	International Scientific Conference „Geography in Global Context: Achievements and Challenges“ Proceedings/Kutaisi, Georgia, June 3-4, 2017, pp. 135-143.
Definition of hourly precipitation from climate reference books on the basis of their annual and monthly values and assessment of heavy/catastrophic shower probability (risk)	Begalishvili N., Tsintsadze T., Beritashvili B., Kapanadze N., Kartvelishvili L., Begalishvili N. N., Tsintsadze N.	article	Scientific Reviewed Proceedings of the Institute of Hydrometeorology of the GTU/ - 2017 - vol.124- pp. 33-37.
Number of days with the hail prior to the beginning, in the period and afterward performing anti-hail work	Pipia M., Kapanadze N., Kartvelishvili L., Beglarashvili N	article	Scientific Reviewed Proceedings of the Institute of Hydrometeorology of the GTU/ - 2017 - vol.124- pp. 42-49.
ASSESSMENT OF ADAPTATION TO CLIMATE CHANGE POTENTIAL FOR THE PRIORITY SECTORS OF GEORGIAN ECONOMY	B.BERITASHVILI, N.KAPANADZE, N.ZOTIKISHVILI.	article	Scientific Reviewed Proceedings of the Institute of Hydrometeorology of the GTU/ - 2017 - vol.124- pp. 87-91.
Modern problems of geoengineering related with climate change .	Beritashvili B., Kapanadze N., Eristavi D	article	Scientific Reviewed Proceedings of the Institute of Hydrometeorology of the GTU/ - 2016 - vol.123- pp. 59-63.

Urgent problems of adaptation to climate change of the city of Tbilisi.	Beritashvili B., Kapanadze N., Sikharulidze A., Shvangiradze M.	article	Scientific Reviewed Proceedings of the Institute of Hydrometeorology of the GTU/ - 2016 - vol.123- pp. 39-43.
Climate change and geoengineering	B. Beritashvili, N. Kapanadze, D. Eristavi	Auxiliary textbook	publishing house „Technicuri Universiteti“/, Tbilisi, 2016, 294 pp.
Glaciers decay in the eastern sector of Kazbek glaciation and some aspects of adaptation to this process	B. Beritashvili, N. Kapanadze, V. Tsomaia	article	Proceedings of International Scientific Conference „Modern Problems of Geography and Anthropology, Dedicated to the 140th Anniversary of Academician Aleksandre Javakhishvili/Tbilisi, 2015, pp. 259-263
Adaptation to climate change in Georgia	B. Beritashvili, M. Shvangiradze, N. Kapanadze, N. Tsintsadze	article	Ivane Javakhishvili Tbilisi State University Faculty of Exact & Natural Sciences Department of Geography Institute of Applied Ecology, FENS, TSU/, 2015, Tbilisi-Batumi, pp.67-69.
On the adaptation measures related to extreme glacial events in the Dariali Gorge.	Tsomaia V. Beritashvili B., Kapanadze N.	article	Transactions of the Institute of Hydrometeorology at the Georgian Technical University./Tbilisi, 2015. v.121. – pp.93-96.
Assessment of climate change impact on R. Enguri's runoff. ./ Transactions of the Institute of Hydrometeorology at the Georgian Technical University. -2014. - v.120. – pp.64-68.	Beritashvili B., Kapanadze N., Shvangiradze M		Transactions of the Institute of Hydrometeorology at the Georgian Technical University/Tbilisi, 2014. v.120. pp.64-68.

On The Rehabilitation of Precipitation Enhancement Activities in East Georgia	Beritashvili B. Kapanadze N. Tsintsadze T.	article	Reports, presented on the International Conference "Advanced Problems in Geophysics" 80 years of the M. Nodia Institute of Geophysics/Tbilisi 2014, pp.103-106.
Assessment of solar summary radiation vertical distribution at the territory of Gare Kakheti	Beritashvili B., Kapanadze	article	Transactions of the Institute of Hydrometeorology at the Georgian Technical University/ Tbilisi, 2013. v.119. pp.60-63.
THE RELATIONSHIP STUDIES ON Z-I RATIO OF DIFFERENT INTENSITY ATMOSPHERIC PRECIPITATIONS OF A WARM PERIOD IN EAST GEORGIA	Kapanadze N., Khelaia E., Salukvadze M., Salukvadze T.	article	Transactions of the Institute of Hydrometeorology at the Georgian Technical University/ Tbilisi, 2013. v.119. pp.142-144.
ON THE RESTORATION OF HAIL SUPPRESSION AND ANTI-AVALANCHE ACTIVITIES IN GEORGIA	Tengiz Tsintsadze, Bakur Beritashvili, Naili Kapanadze, Manana Saluqvadze	monograph	Institute of Hydrometeorology of the Georgian Technical University/ Tbilisi 2013, 78 pp.
Introduction of Climate Technologies in Georgia	Beritashvili B., Kapanadze N.	article	Institute of Hydrometeorology of the Georgian Technical University. Transactions of The International Scientific Conference "Basic Paradigms in Science and Technology Development for the 21st century/ Tbilisi 2012, pp 38-42.

RELATIONSHIP BETWEEN A MAXIMAL RADAR REFLECTIVITY OF FRONTAL CONVECTIVE CLOUDS OF KAKHETI REGION OF GEORGIA FROM MEAN INTENSITY OF ATMOSPHERIC PRECIPITATION	Salukvadze T.,Khelaia E.,Salukvadze M.,Kapanadze N.	article	Transactions of the Institute of Hydrometeorology at the Georgian Technical University/ Tbilisi, 2011. v.117. pp.142-144.
Fuatures of climate change in the second half of the past century at the territory of Georgia	Beritashvili B., Kapanadze N	article	Transactions of the Institute of Hydrometeorology, Georgian Tekhncial University/Tbilisi, 2011, τ.117. pp. 61-63.
Adoption of Clean Development Mechanism in Georgia	Beritashvili B, Kapanadze N.	article	Proceedings of International Conference „Environment and Global warming“/Ivane Javakhishvili Tbilisi State University Vakhushti Bagrationi Institute of Geography/Tbilisi 2011, new series N 3(82), pp.101-104
Features of Long-Term Changes of the Air Temperature in Tbilisi, Georgia	Michael Alania,, Tamaz Salukvadze, Eter Khelaia, Naili Kapanadze, Darejan Japaridze	article	Proceedings of International Conference „Environment and Global warming“/Ivane Javakhishvili Tbilisi State University Vakhushti Bagrationi Institute of Geography/Tbilisi 2011, new series N 3(82), pp.147-153.
High easterly winds at the Kolkhida Lowland as an indicator of the impact of Siberian High on the South Caucasus	B.Beritashvili N.Kapanadze, I. Chogovadze	article	Transactions of the Institute of Hydrometeorology at the Georgian Technical University/Tbilisi 2011, v.116.p.9-12
Assessment of climate response in Georgia to global warming	Bakuri Beritashvili, Naili Kapanadze, Irakli Chogovadze	monograph	Institute Of Hydrometeorology Of The Georgian Technical University/ Tbilisi 2010/179 pp.

Features of atmospheric processes dynamics during the extreme weather conditions development in Georgia	B. Beritashvili, N. Kapanadze, I. Chogovadze	article	Transactions of the Georgian Institute of Hydrometeorology of Georgia/Tbilisi 2010, V.114, pp. 116-126
Assessment of convective cloud efficiency using the thermodynamic model.	N. Begalishvili, G. Robitashvili, N. Kapanadze, M. Tatishvili.	article	Transactions of the Georgian Institute of Hydrometeorology of Georgia/Tbilisi 2010, V.114, pp. 32-37
Rehabilitation of agrarian complex in Dedoplistskaro Region by the restoration of irrigation system using Solar power plants	Beritashvili B., Kapanadze N	article	„Sustainable development and protection of environment“ Internacional Scientific-Technical Conference
RESULTS OF EXPERIMENTAL RESEARCHES Z-I OF A RATIO FOR PRECIPITATION OF DEFFERENT INTENSITY OF A WARM SEASON OF YEAR BY EASTERN GEORGIA	N.I. Kapanadze, E I. Khelaia, T.G. Salukvadze, M.T. Salukvadze	article	Transactions of Mikheil Nodia Institute of Geophysics, 2010/ vol.LXII, pp.229-233.
EMPIRICAL DEPENDENCE BETWEEN RADAR REFLECTIVITY (Z) AND INTENSITY OF PRECIPITATION'S (I) OF MULTICELL CONVECTIVE CLOUDS	Kiladze R., Japaridze D., Kapanadze N., Salukvadze T., Khelaia E., Salukvadze M.	article	Transactions of Mikheil Nodia Institute of Geophysics, 2009/ vol.LXI, pp. 187-190.
RESEARCHES THE Z-I RATIO FOR WARM SEASON OF YEAR FOR SUPERCELL CONVECTION CLOUDS OF KAKHETI REGION OF GEORGIA	Salukvadze T., Khelaia E., Salukvadze M., Kiladze R., Japaridze D., Kapanadze N.	article	Transactions of Mikheil Nodia Institute of Geophysics, 2009/ vol.LXI, pp. 191-194.
RESEARCHES THE Z-I RATIO FOR CLOUD CONVECTIVE ATMOSPHERIC PROCIPIATION KAKHETI REGION OF GEORGIA	Salukvadze T.G., Khelaia E.I., Kapanadze N.I., Salukvadze M.T., Kiladze R.I.	article	Transactions of Mikheil Nodia Institute of Geophysics. Proceedings dicated to 75-th anniversary, 2008/ vol.LX, pp. 234-236.

<p>Statistical analysis of cloud resources over the territory of Eastern Georgia</p>	<p>N. Begalishvili, N. Kapanadze, N. Robitashvili, G. Robitashvili, I. Rukhadze</p>	<p>article</p>	<p>Transactions of the Institute of Hydrometeorology, 2002/V. 107, P. 241-253.</p>
<p>On the restoration of precipitation modification activities in Eastern Georgia</p>	<p>A. Amiranashvili, M. Bakhsoliani, N. Begalishvili, N. Beradze, B. Beritashvili, R. Rekhviashvili, T. Tsintsadze, N. Rukhadze, N. Kapanadze</p>	<p>article</p>	<p>Transactions of the Institute of Hydrometeorology, 2002/V. 108, P. 249-260.</p>