

## Meladze Giorgi

1. Agroecological Features of Main Crops in Relation with Drought and some Aspects of Drought Mitigation // Georgian Academy of Sciences, Transactions of the Institute of Hydrometeorology, vol. 107, Tbilisi, 2002 (co-authors M.Meladze, M.Tutarashvili, Sh.Tsertsvadze), (Georg.).
2. The Possibilities of Spreading Perspective Agroclimatic Conditions in High-Mountainous Agroclimatic Conditions in Samtskhe-Javakheti // Geography of Georgia N2, TSU, 2003 (co-authors M.Meladze, M.Tutarashvili, Sh.Tsertsvadze), (Georg.).
3. Plant Ecology // Publ., „Karbelašvili” (textbook), 2003 (Georg.).
4. Agroclimatic Aspects of Farming Development in Mountain and High-Mountain Region Georgia // Annals of Agrarian Science, vol.3, N1, „Universal” 2005 (co-authors M.Meladze, M.Tutarashvili), (Russ).
5. Production of Ecological Pure Vegetable Cultures under Conditions of Organic Agriculture in Alpine Zone of Georgia // Bulletin of The Georgian Academy of Sciences, 172, 1, 2005 (co-author M.Meladze)
6. Perspective Vine Propagation Zones in Georgia Considering Expected Global Climate Change // Bulletin of The Georgian Academy of Sciences, 172, 2, 2005 (co-author M.Meladze).
7. Propagation of Deserving Plants in Mountain Agroecological Conditions of Georgia Considering the Soil Productivity // Bulletin of The Georgian Academy of Sciences, 172, 3, 2005 (co-author M.Meladze).
8. Harvest of Some Agricultural Crops in High-Mountainous Agrometeorological Conditions of South Georgia // Geography of Georgia, 4, TSU, 2005 (co-author M.Meladze), (Georg.).
9. The Basis Aspects of Organic Agriculture in High-Mountainous Agroclimatic Zone // Caucasian Geographical Review, 6, TSU, 2006 (co-author M.Meladze), (Russ).
10. Perspectives of Ecologically Pure Yield of Some Agricultural Products in Samtskhe-Javakheti's Region of Georgia // Bulletin of The Georgian Academy of Sciences, 173, 2, 2006 (co-author M.Meladze).
11. Climate of Georgia. 2. Abkhazia // Georgian Academy of Sciences, Transactions of the Institute of Hydrometeorology, vol. 112, Tbilisi, 2006 (co-authors M.Meladze, M.Tutarashvili), (Georg.).
12. Agroclimatic Zones of Kvemo Kartli Region (Georgia) // Bulletin of The Georgian Academy of Sciences, 174, 3, 2006 (co-author M.Meladze).
13. The Development of Farming in Kakheti Region in Accordance with the Agroclimatic Conditions // Georgian Academy of Sciences, Transactions of the Institute of Hydrometeorology, vol. 111, Tbilisi 2007 (co-authors M.Meladze, M.Tutarashvili), (Georg.).
14. The Main Agroclimatic Potential of Trialeti // The Problems of Agrarian Science, vol. XXXXI, Tbilisi 2007 (co-author M.Meladze), (Georg.).
15. Influence of Climate Global Warming on Productivity of Subtropical Technical Crops and Agroclimatic Zone Changes // Annals of Agrarian Science, Vol.6, 1, 2008 (co-authors M.Meladze, M.Tutarashvili).

16. Dependence of Growth, Development and Productivity of Sugar Beet on Agroclimatic Factors in Shida Kartli // Collection of Scientific Works of GSAU, vol. I, №2 (43), Tbilisi 2008 (co-author M.Meladze), (Georg.).
17. Influence of Global Warming on Changes of Agroclimatic Zones // Transactions of the Institute of the Hydrometeorology, vol. 115, Tbilisi 2008 (co-authors G.Meladze, M.Tutarashvili), (Georg.).
18. Influence of the Climatic Global Warming on Agrometeorological Zone of Humid Subtropics of Georgia // Geography of Georgia, 6-7, TSU, 2008 (co-author M.Meladze), (Georg.).
19. Agroclimatic Zones of Trialeti // Collection of Scientific Works of GSAU, vol., 1, №3(44), Tbilisi 2008 (co-author M.Meladze), (Georg.).
20. Agroclimatic Zone Scenarios of the Distribution of Crops with Account of Global Warming // Bulletin of The Georgian National Academy of Sciences, vol.3, 1, 2009 (co-author M.Meladze).
21. Estimation of Agroclimatic Resources of Guria // Collection of Scientific Works of GSAU, vol., 2, №2(47), Tbilisi 2009 (co-author M.Meladze), (Georg.).
22. On Assessment of Impact of Climatic Changes on Productivity and Transformation of Agro-climatic Zones of Dissemination of Agricultural Crops // 10<sup>th</sup> Baku International Congress „Energy, Ecology, Economy” (co-authors N.Begalishvili, M.Meladze), Buku, Azerbaijan Republic, 23-25 september, 2009
23. The Role Agroclimatic Resources in Agrarian Production of Kakheti (East Georgia). // Caucasian Geographical Review, 10, TSU, 2009 (co-author M.Meladze, M.Tutarashvili), (Russ).
24. Agroclimatic Resources of Eastern Regions of Georgia // publ. „Universal”, Tbilisi 2010 (co-author M.Meladze), (Monograph), (Georg.).
25. Scenarios of Change of High-Mountainous Agro-Ecological Zones of Georgia with the Account Global Warming // International Scientific-Technical Conference Sustainable development and Protection of Environment. Georgian Technical University (co-author M.Meladze) Tbilisi 2010, (Georg.).
26. Influence of Global Climate Change on Area Distribution of Agricultural Crops in High- Mountainous Regions of Georgia // International Scientific Conference Protection of Agrobiodiversity and Sustainable development of Agriculture. Georgian State Agrarian University (co-author M.Meladze) Tbilisi 2010, (Georg.).
27. Climate of Georgia. 3. Samegrelo-Zemo Svaneti // Transactions of the Institute of Hydrometeorology, vol. 113, Tbilisi, 2010 (co-authors M.Meladze), (Georg.).
28. Agrometeorological Forecasts of Agricultural Crops for Region of Shida Kartli // Collection of Scientific Works of GSAU, vol. 3, №3 (52), (co-authors M.Meladze), 2010 (Georg.).
29. Influence of Agroclimatic Factors on Agricultural Crops in Ajara // Collection of Scientific Works of GSAU, vol. 4, №1 (54), (co-authors M.Meladze), 2011 (Georg.).
30. Change of Agroecological Zones under the Future Scenario (2020-2050 year) in the Conditions of Global Warming // Collection of Papers of International Conference. Geographical Society of Georgia I.Javakhishvili Tbilisi State University (co-authors M.Meladze), 2011 (Georg.).

31. Prognosis (2020-2050) of Heat Provision of Vegetation Periods with Account of Climate Change // International Scientific Conference - „Environment and Global Warming”, TSU, V.Bagrationi Institute of Geography, №3(82), (co-authors M.Meladze), 2011 (Georg.).
32. Scenarios of Distribution of Zones Agricultural Crops and Reception of Two Yields in the Conditions of Global Warming (2020-2050, on an example of Dedoplistskaro) // International Scientific Conference - Pressing Problems in Hydrometeorology and Ecology. Transactions of the Institute of Hydrometeorology at the Georgian Technical University, vol., №117 (co-authors M.Meladze), 2011 (Georg.).
33. Climate of Georgia. 4. Guria // Transactions of the Institute of Hydrometeorology at the Georgian Technical University, vol. 118, Tbilisi, 2011 (co-authors M.Meladze), (Georg.).
34. Scenarios of Distribution of Perspective Agricultural Crops in High-Mountainous Agroecological Zones of Georgia with Account Global Warming // Geography of Georgia, 8-9, TSU, 2011 (co-author M.Meladze), (Georg.).
35. Agro-climatic zones of volatile oil crops distribution // Clmatic and Agro-climatic Atlas of Georgia. Institute of Hydrometeorology at the Georgian Technical University, 2011 (co-authors M.Meladze, Sh.Tsertsvadze), (Georg.).
36. Agro-climatic zoning of tung oil crop // Clmatic and Agro-climatic Atlas of Georgia. Institute of Hydrometeorology at the Georgian Technical University, 2011 (co-author M.Meladze), (Georg.).
37. Replanting of annual volatile oil crops// Clmatic and Agro-climatic Atlas of Georgia. Institute of Hydrometeorology at the Georgian Technical University, 2011 (co-authors M.Meladze, Sh.Tsertsvadze), (Georg.).
38. Influence of Agrometeorological factors on Conditions Winterize and yield of Winter Wheat // Institute of Hydrometeorology at the Georgian Technical University, 2011 (co-authors M.Meladze)
39. Agroecological Zones of Distribution of Agricultural Crops in the Conditions of Global Warming in Sagarejo // Institute radiology and ecology at the agrarian university. Radiological and agroecological researches, vol. VIII, 2012 (co-author M.Meladze), (Georg.).
40. Modern Trends in the Dynamics of the Rural Population of Georgia // International Scientific Conference - Priorities of the Sustainable Development of Agriculture. Iv.Javakhishvili Tbilisi State University (co-authors M.Meladze), 2012 (Georg.).
41. Agroclimatic Resources of Western Regions of Georgia // publ. „Universal”, Tbilisi 2012 (co-author M.Meladze), (Monograph), (Georg.).
42. Distribution of Different Varieties of Vine with Account of Global Warming on the Territory of Georgia // Bulletin of The Georgian National Academy of Sciences, vol.7, 1, 2013 (co-author M.Meladze).
43. Distribution of Winter Wheat with Account of Global Warming // Transactions of the Institute of Hydrometeorology, Georgian Technical University vol. 119, 2013 (co-author M.Meladze).
44. Estimation of Agroclimatic Potential of Mtsheta-Mtianeti Region // Transactions of the Institute of Hydrometeorology, Georgian Technical University vol.119, 2013 (co-author M.Meladze).
45. Scenario of Distribution Zones of crops in South Georgia With Account of Climate Change (on an example of Akhaltsikhe) // TSU, 2013 (co-author M.Meladze), (Georg.).

46. Scenarios of Agroclimatic Zones of Different Varieties of Grapevine With Account of Global Warming // Collected papers new series 5(84), „Modern Problems of Geography”, Vakhushti Bagrationi Institute of Geography, TSU, 2013 (co-author M.Meladze), (Georg.).
47. Transformation of Agroecological Zones in the Conditions of Global Warming // Bulletin of the Academy of agricultural Sciences of Georgia, vol.33, 2014 (co-author M.Meladze), (Georg.).
48. Agroecological Zones of Kakheti Region // Bulletin of the Academy of agricultural Sciences of Georgia, vol.33, 2014 (co-author M.Meladze), (Georg.).
49. Estimation Agroclimatic Condition of Imereti Region for Rational Placing and Productivity Forecasting of Crops // Sokhumi State University, Faculty of the Natural Sciences and Healthcare; [http://sou.edu.ge/?lang\\_id=ENG#sthash.UmFFKcga.dpuf](http://sou.edu.ge/?lang_id=ENG#sthash.UmFFKcga.dpuf); 2014 (co-author M.Meladze), (Georg.).
50. Impact of Climate Change on Agroclimatic Features of Crops (Example of Sagarejo) // International conference Workbook, Georgian Academy of Agricultural Sciences, 2014 (co-author M.Meladze), (Georg.).
51. Kolkheti - Unique Agroclimatic Zone of Wine Growing and Winemaking // Vakhushti Bagrationi Institute of Geography, TSU, #6(85) 2014 (co-authors M.Meladze, V.Gogitidze), (Georg.).
52. The Main Food Crops Vulnerability Scenarios Considering Climate Change // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 120, 2014 (co-authors M.Meladze), (Georg.).
53. Agroclimatic Aspects of Farming Development in Mountain and High-Mountain Region of Georgia // Annals of Agrarian Science, Vol. 3(1), 2014 (co-authors M.Meladze, M.Tutarashvili)
54. Influence of Climate Global Warming on Productivity of Subtropical Technical Crops and Agroclimatic zone changes // Annals of Agrarian Science, Vol. 6(1), 2014 (co-authors M.Meladze, M.Tutarashvili)
55. Impact of Global Warming on the Vegetation Durable and Distribution Area of Crops in the Humid Subtropical and Mountainous Regions of Georgia // American Journal of Environmental protection, vol.4. No.3-1, 2015, ISSN:2328-5680 (co-author M.Meladze)
56. Some Urgent Issues of Georgia's Geography // American Journal of Earth Sciences, vol. 4(5-1). No.5-1, 2015, ISSN:2328-5974 (co-authors N.Elizbarashvili, M.Meladze, D.Svanadze, L.Gadrani, J.Lazarashvili)
57. Impact of Global Warming on the Plants Developments Main Agroclimatic Indices in Vegetation Period on Keda Territory // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 121, 2015 (co-author M.Meladze), (Georg.).
58. The Agroclimatic Indices Change Caused by Global Warming in Kvemo Kartli Region // Proceedings of international conference. TSU, Institute of Geography, Geographical society of Georgia, 2015 (co-authors M.Meladze), (Georg.).
59. Global Warming and Increasing Tendency of Development Agriculture Basic Indices and Drought in Kakheti // Transactions of international conference of the Academy agricultural sciences of Georgia. 2015 (co-author M.Meladze), (Georg.).
60. Climate of Georgia. 5.Shida Kartli. Agroclimatic Resources // Transactions of the institute of hydrometeorology, vol. 122, 2016 (co-author M.Meladze), (Georg.).

61. Influence of Global Warming on Agroclimatic Indices of Agriculture and Intensity of Droughts in Kakheti Region, East Georgia // Bulletin of The Georgian National Academy of Sciences, vol.10, 1, 2016 (co-author M.Meladze)
62. Global Warming and Change Tendency of Agroecological Indices on the Territory of Borjomi // TSU, Transactions of scientific conference, 2016 (co-author M.Meladze), (Georg.)
63. Evaluation of the Agroclimatic Potential of the High Mountainous Areas in South Georgia to Develop Ecological Agriculture // Albena, Bulgaria, 2016, ISBN978-619-7105-66-7 (co-authors M.Meladze, V.Trapaidze)
64. Goals of Landscape Planning of Tbilisi and Expected Outcomes // Collective monograph on the materials of International scientific-Practical Conference, St.Peterburg, 2016, ISBN978-5-8064-2251-5 (co-authors E.Elizbarashvili, M.Meladze, D.Svanadze)
65. Recurrence of different types of droughts in connection to global warming and their agro-meteorological forecast (on the example of Dedoplistskaro) // Transactions of the institute of hydrometeorology, vol.123, 2016 (co-author M.Meladze), (Georg.).
66. Global Warming: changes of Agroclimatic Zones in Humid Subtropical, Mountainous and High Mountainous Regions of Georgia // International Journal of Current Research, 8(7), [www.journalcra.com](http://www.journalcra.com) ISSN:0975-833X, India, 2016 (co-authors M.Meladze, N.Elizbarashvili, G.Meladze)
67. Agroclimatic Conditions of Organic Farming in the Mountainous Areas of Samtskhe-Javakheti // International Conference Workbook of the Academy of Agricultural Sciences of Georgia, 2016 (co-author M.Meladze) (Georg.)
68. Forest landscapes of Tbilisi-Rustavi urban agglomeration: the modern and prognostic states // International Scientific - Practical Journal - „Forestry Bulletin”, vol. 11, 2016 (co-authors: N.Elizbarashvili, M.Meladze) (Georg.)
69. Climate Change: a trend of increasingly frequent droughts in Kakheti Region (East Georgia) // Jurnal of Annals of Agrarian Science, vol.15, #1, 2017, Copyright© Elsevier B.V. (co-author M.Meladze)
70. Optimal Terms of Food Crops Agro-technology Under Global Warming // Transactions of the institute of hydrometeorology, vol.124, 2017 (co-author M.Meladze), (Georg.)
71. Changes in Agroclimatic Indices and Intensified Droughts on the Territory of East Georgia in Terms of Global Warming // Transactions of International conference „New Challenge for Geography: Landscape Dimensions of Sustainable Development", TSU, 2017 (co-author M.Meladze), (Georg.)
72. Distribution of Grapevine Culture and Global Warming in Georgia // International Conference Workbook of the Academy of Agricultural Sciences of Georgia, 2017 (co-author M.Meladze) (Georg.)
73. Evaluation of the Agro-Ecological Potential of Racha-Lechkhumi - Kvemo Svaneti region (Georgia) and Zoning of Crops // 18<sup>th</sup> International multidisciplinary scientific geoconference SGEM, Ecology and Environment Protection, vol. 18, Issue:5.1, Albena, Bulgaria, 2018 (co-authors: M.Meladze, V.Trapaidze, G.Meladze), pp. 361-367

74. Agro-ecological zoning of Mtskheta-Mtianeti region in the conditions of global warming // International Scientific Conference - Modern Problems of Ecology, Proceedings -Vol.VI, 2018 (co-author M.Meladze) (Georg.)
75. Agrobiological peculiarities of hazelnut in agroclimatic conditions of Samegrelo - Zemo Svaneti region // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 125, 2019, pp. 51-55 (co-author M.Meladze), (Georg.)
76. Climate of Georgia. 6. Imereti, Agroclimatic resources // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 126, 2019, pp. 72-83 (co-author M.Meladze), (Georg.)
77. Sowing terms and zoning of winter wheat under global warming // International scientific conference - „Wheat in European Countries and Georgia as one of the Origin of Wheat. Georgian Academy of Agricultural Sciences, 2019 (co-author: M.Meladze), pp. 221-225
78. Transformation of agroclimatic zones of Samegrelo-Zemo Svaneti in Conditions of global warming // Scientific conference: Actual problems of Geography, 2019, pp. 96-102 (co-author M.Meladze)
79. Global warming: tendency of change the agroclimatic features of Samegrelo-Zemo Svaneti // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 127, 2019, pp. 46-52 (co-author M.Meladze), (Georg.)
80. Impact of Global Climate Change on Agroclimate Features and Reoccurrence Droughts in Georgia (On the Example of Kakheti Region) // International Scientific Conference - Natural Disasters in Georgia: Monitoring, Prevention, Mitigation, 2019, pp.96-100 (co-author M.Meladze), (Georg.)
81. Agricultural Dictionary // The Georgian National Academy of Sciences, Vol. I, II, 2019, I - p. 202, II - p. 397 (co-authors M.Meladze and collectors of authors), (Georg.)
82. Agroclimatic Zoning of Western region of Georgia // Annals of Agrarian Sciences Science, vol.17, N4, 2019 (co-author M.Meladze), pp. 422-432
83. Climate Change: Agroclimatic Challenges and Prospects in Eastern Georgia (Monography)// Publ. House „UNIVERSAL’’, Tbilisi, 2020, (co-author M.Meladze) 200 p.
84. Main problems of the sustainable development the South Caucasus and processes of transformation of landscapes (ecosystems) of biodiversity // [Journal of Environmental Biology, \(special issue\) Environment, Biodiversity, Geography, JEBvol.41, #2, 2020, Lucknow, India, \(co-authors N.Elizbarashvili, N.Sulkhanishvili, B.Kalandadze, G.Meladze, T.Gordeziani, T.Gorgodze, T.Donadze, M.Meladze, R.Elizbarashvili, D.Sidamonidze\) DOI:10.22438](#)
85. Forced migrations of Georgia and Ukraine: Reasons for the emergence, process features, implications for countries // Visnyk of V.N. Karazin Kharkiv National University, series „Geology. Geography. Ecology”. N52, 2020 (co-authors N.Elizbarashvili, L.Niemets, G.Meladze, K.Sehida, M.Lohvynova, M. Meladze, D.Sidamonidze), pp.139-155
86. Change of Shida Kartli mountainous and high-mountainous agro-climatic zones in conditions of global warming // International Scientific Conference - „Modern Problems of Ecology’’, Georgian National Academy of Sciences, TSU, 2020 (co-author M.Meladze), pp. 80-83 (Georg.)

87. Impact of frosts on agricultural crops under climate change // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 129, 2020, pp. 45-51 (co-author M.Meladze), (Georg.)
88. Agro-climatic conditions of agro-biodiversity under global warming in Samtskhe-Javakheti // Conference Workbook of the Academy of Agricultural Sciences of Georgia, 2020, pp. 86-90 (co-author M.Meladze), (Georg.)
89. Climate of Georgia. 7. Kakheti, Agroclimatic resources // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 128, 2020, 160p. (co-author M.Meladze), (Georg.)
90. Climate of Georgia. 8. Racha-Lechkhumi – Kvemo Svaneti, Agroclimatic resources // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 130, 2021, 135p. (co-author M.Meladze), (Georg.)
91. Distribution of agricultural crops in the dry subtropics of eastern Georgia // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 131, 2021, pp.36-40 (co-author M.Meladze), (Georg.)
92. Agroclimatic zoning of eastern regions of Georgia // Transactions of Mikheil Nodia Institute of Geophysics of Ivane Javakhishvili Tbilisi State University, 2021, pp.64-74 (co-author M.Meladze), (Georg.)
93. Impact of climate change on agro-climatic characteristics and zones of Mtskheta-Mtianeti region // Proceedings of International Scientific Conference „Natural Disasters in the 21st Century: Monitoring, Prevention, Mitigation’’, 2021, Iv.Javakhishvili Tbilisi State University pp. 38-41 (co-author M.Meladze)
94. Climate-smart agriculture and agroclimatic features the eastern mountainous regions of Georgia // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 132, 2022, pp.35-38 (co-author M.Meladze), (Georg.)
95. Assessment of agroclimatic potential of the Eastern Highland regions of Georgia //Proceedings of International Scientific Conference „Landscape dimensions of sustainable development: science-carto/GIS planning-governance’’, 2022, pp. 204-210 (co-author M.Meladze), (Georg.)
96. Modern agroclimatic aspects of viticulture in Georgia // Proceedings of International Scientific Conference „World viticulture and enology - the history, modernity and perspectives of sustainable development’’, 2023, pp.53-58 (co-author T.Mskhiladze), (Georg.)
97. Changes of agroclimatic resources of mountainous and high mountainous regions of Georgia in terms of global warming // Proceedings book of the international conference on research in applied sciences-II, Konya-Turkiye, 2023, pp.56-164 (co-authors M.Meladze, M.Tatishvili)
98. Distribution of red beet in high mountain agroclimatic conditions of Georgia // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 133, 2023, pp.51-55 (co-author M.Meladze), (Georg.)
99. Natural hydrometeorological events in Black Sea regions of Georgia // Proceedings book of the international conference „Black sea region at the crossroads of civilizations’’ vol.XVI, Batumi, 2023, pp. 1345-1354 (co-autors M.Tatishvili, M.Meladze, A.Palavandishvili)

100. Change agroclimatic zones of agricultural plants biodiversity in Kartli // International scientific conference - „Biodiversity of agricultural plants and animals, their conservation and perspectives”. Georgian Academy of Agricultural Sciences, 2023, pp. 104-109 (co-autor M.Meladze), (Georg.)
101. Agroclimatic changes in the mountainous regions of Georgia // Proceedings of international scientific conference "Geophysical Processes in the Earth and its Envelopes", TSU, 2023 (co-authors M.Meladze) pp.246-249