Meladze Maia

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 G.Meladze, M.Tutarashvili, Sh.Tsertsvadze), (Georg.).

2. Assessment of Yield Climate Vulnerability Effect and Strategy for its Mitigation on the Case of Tea Crop // Georgian Academy of Sciences, Transactions of the Institute of Hydrometeorology, vol. 105, Tbilisi, 2002 (co-author G.Arveladze), (Georg.).

3. The Possibilities of Spreading Perspective Agroculturals in High-Mountainous Agroclimatic Conditions in Samtskhe-Javakheti // Geography of Georgia N2, TSU, 2003 (co-authors G.Meladze, M.Tutarashvili, Sh.Tsertsvadze), (Georg.).

4. The Results of the Experiments on Perspective Agricultures on the Basis of Organic Fertilizers in High-mountanous Agroecological Conditions // The Problems of Agrarian Science, vol. XXVIII, Tbilisi 2004, (Georg.).

5. Agrometeorological Evidence of the Technology Organic Agriculture in High Mountainous Zone // Geography of Georgia, N 3, TSU, 2004, (Georg.).

6. The Technology of Production Perspective Agricultures in South-Georgian High Mountainous Agroecological conditions // The Problems of Agrarian Science, vol. XXX, Tbilisi 2005, (Georg.).

7. Production of Ecologically Sound Vegetable Cultures in South-Georgian High Mountainous Zone // The Problems of Agrarian Science, vol. XXX, Tbilisi 2005, (Georg.).

8. Agroclimatic Aspects of Farming Development in Mountain and High-Mountain Region Georgia // Annals of Agrarian Science, vol.3, N1, ,,Universal'' 2005 (co-authors G.Meladze, M.Tutarashvili), (Russ).

9. 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 G.Meladze)

10. Perspective Vine Propagation Zones in Georgia Considering Expected Global Climate Change // Bulletin of The Georgian Academy of Sciences, 172, № 2, 2005 (co-author G.Meladze).

11. 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 G.Meladze).

12. Harvest of Some Agricultural Crops in High-Mountainous Agrometeorological Conditions of South Georgia // Geography of Georgia, № 4, TSU, 2005 (co-author G.Meladze), (Georg.).

13. The Basis Aspects of Organic Agriculture in High-Mountainous Agroclimatic Zone // Caucasian Geographical Review, № 6, TSU, 2006 (co-author G.Meladze), (Russ).

14. 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 G.Meladze).

15. Dependence of Harvest of some Agricultural Crops on Agrometeorological Fectors and Organic Fertilizer in High-Mountainous Zone of Samtskhe-Javakheti // The Problems of Agrarian Science, vol. XXXV, Tbilisi 2006 (Georg.).

16. Provision of Basic Agrometeorological Factors of Growth and development of Agricultural Crops in Kakheti // The Problems of Agrarian Science, vol. XXXVI, Tbilisi 2006 (Georg.).

17. Climate of Georgia. 2. Abkhazia // Georgian Academy of Sciences, Transactions of the Institute of Hydrometeorology, vol. 112, Tbilisi, 2006 (co-authors G.Meladze, M.Tutarashvili), (Georg.).

18. For Agrometeorological Service of Sustainable Development of Agriculture in Kvemo Kartli // The Problems of Agrarian Science, vol. XXXVII, Tbilisi 2006 (Georg.).

19. Agroclimatic Zones of Kvemo Kartli Region (Georgia) // Bulletin of The Georgian Academy of Sciences, 174, №3, 2006 (co-author G.Meladze).

20. The World Practice of the Development of Organic Agriculture and its Modern State in Georgia //Georgian Academy of Sciences, Transactions of the Institute of Hydrometeorology, vol. 111, Tbilisi 2007 (Georg.).

21. Influence of Bioenergoactivator on Some Agricultural Crops in High-Mountain Agroclimatic Conditions of Samtskhe-Javakheti // The Problems of Agrarian Science, vol. XXXVIII, Tbilisi 2007 (Georg.).

22. 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 G.Meladze, M.Tutarashvili), (Georg.).

23. Evaluation of Soil-Climatic Conditions for Productivity of Agricultural Crops in High-Mountainous Zone of South Georgia // The Problems of Agrarian Science, vol. XXXIX, Tbilisi 2007 (Georg.).

24. The Main Agroclimatic Potential of Trialeti // The Problems of Agrarian Science, vol. XXXXI, Tbilisi 2007 (co-author G.Meladze), (Georg.).

25. Influence of Climate Global Warming on Productivity of Subtropical Technical Crops and Agriclimatic Zone Changes // Annals of Agrarian Science, Vol.6, №1, 2008 (co-authors G.Meladze, M.Tutarashvili).

26. Influence of the Abiotic Factor on Growth and Yield of Agricultural Crops // Collection of Scientific Works of GSAU, vol. I, №1 (42), Tbilisi 2008 (Georg.).

27. 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 G.Meladze), (Georg.).

28. Agrometeorology // "Universal", Tbilisi 2008 (text-book), (Georg).

29. 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).

30. Influence of the Climatic Global Warming on Agrometeorological Zone of Humid Subtropics of Georgia // Geography of Georgia, № 6-7, TSU, 2008 (co-author G.Meladze), (Georg.).

31. Agroclimatic Zones of Trialeti // Collection of Scientific Works of GSAU, vol., 1, №3(44), Tbilisi 2008 (co-author G.Meladze), (Georg.).

32. Phenological Peculiarities of Vine in Georgia // Caucasian Geographical Review, № 9, TSU, 2008 (Georg.).

33. 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 G.Meladze).

34. The Importance of Agoclimatic Indices for Agriculture of Guria // Collection of Scientific Works of GSAU, vol. 2, №3 (48), 2009 (Georg.).

35. Estimation of Aroclimatic Resources of Guria // Collection of Scientific Works of GSAU, vol., 2, №2(47), Tbilisi 2009 (co-author G.Meladze), (Georg.).

36. The Basic Aspects of Estimation of Agroclimatic Resources of Shida Kartli // Collection of Scientific Works of GSAU, vol., 2, №4(49), Tbilisi 2009, (Georg.).

37. On Assessment of Impact of Climatic Changes on Productivity and Transformation of Agro-climatic Zones of Dissemination of Agricultural Crops // 10th Baku International Congress „Energy, Ecology, Economy" (co-authors N.Begalishvili, G.Meladze), Buku, Azerbaijan Republic, 23-25 september, 2009

38. The Role Agroclimatic Resources in Agrarian Production of Kakheti (East Georgia). // Caucasian Geographical Review, № 10, TSU, 2009 (co-author G.Meladze, M.Tutarashvili), (Russ).

39. Agroclimatic Resources of Eastern Regions of Georgia // publ. „Universal", Tbilisi 2010 (co-author G.Meladze), (Monograph), (Georg.).

40. The Agroclimatic Characteristic of High Mountains of Caucasus (on the Example of Central and East Caucasus) // Collection of Scientific Works of GSAU, vol. 3, №1 (50), 2010 (co-authors Mindeli K., Mindeli Kh., Gamsakhurdia L.) (Georg.).

41. 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 G.Meladze) Tbilisi 2010, (Georg.).

42. 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 G.Meladze) Tbilisi 2010, (Georg.).

43. The basic Meteorological Phenomena for Agricultural Crops in Shida Kartli // Collection of Scientific Works of GSAU, vol. 3, №2 (51), 2010 (Georg.).

44. Climate of Georgia. 3. Samegrelo-Zemo Svaneti // Transactions of the Institute of Hydrometeorology, vol. 113, Tbilisi, 2010 (co-authors G.Meladze), (Georg.).

45. Agrometeorological Forecasts of Agricultural Crops for Region of Shida Kartli // Collection of Scientific Works of GSAU, vol. 3, №3 (52), (co-authors G.Meladze), 2010 (Georg.).

46. Forest Meteorology and Climatology // publ. ,,Universal", Tbilisi 2011, (Textbook), (Georg.).

47. Influence of Agroclimatic Factors on Agricultural Crops in Ajara // Collection of Scientific Works of GSAU, vol. 4, №1 (54), (co-authors G.Meladze), 2011 (Georg.).

48. 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 G.Meladze), 2011 (Georg.).

49. 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 G.Meladze), 2011 (Georg.).

50. 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 G.Meladze), 2011 (Georg.).

51. Climate of Georgia. 4. Guria // Transactions of the Institute of Hydrometeorology at the Georgian Technical University, vol. 118, Tbilisi, 2011 (co-authors G.Meladze), (Georg.).

52. 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 G.Meladze), (Georg.).

53. Zoning according to vine crop productivity // Climatic and Agro-climatic Atlas of Georgia. Institute of Hydrometeorology at the Georgian Technical University, 2011 (co-author Gh.Arveladze), (Georg.).

54. Zoning according to tea crop productivity // Clmatic and Agro-climatic Atlas of Georgia. Institute of Hydrometeorology at the Georgian Technical University, 2011 (co-authors Gh.Arveladze), (Georg.).

55. 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 G.Meladze, Sh.Tsertsvadze), (Georg.).

56. 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 G.Meladze), (Georg.).

57. Corn zoning among districts according to productivity // Clmatic and Agro-climatic Atlas of Georgia. Institute of Hydrometeorology at the Georgian Technical University, 2011 (Gh.Arveladze), (Georg.).

58. Replanting of annual volatile oil crops// Clmatic and Agro-climatic Atlas of Georgia. Institute of Hydrometeorology at the Georgian Technical University, 2011 (co-authors G.Meladze, Sh.Tsertsvadze), (Georg.).

59. Influence of Agrometeorological factors on Conditions Winterize and yield of Winter Wheat // Institute of Hydrometeorology at the Georgian Technical University, 2011 (co-authors G.Meladze)

60. 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 G.Meladze), (Georg.).

61. 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 G.Meladze), 2012 (Georg.).

62. How Receive High and Qualitative Yield of Hybrid Corn // Georgian National Academy of Sciences, Georgian Academy Sciences of Agriculture, Tbilisi, 2012 (co-authors P.Naskidashvili, g.Aleksidze, K.Mchedlishvili., at all), (Georg.).

63. Agroclimatic Resources of Western Regions of Georgia // publ. ,,Universal", Tbilisi 2012 (co-author G.Meladze), (Monograph), (Georg.).

64. 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 G.Meladze).

65. Distribution of Winter Wheat with Account of Global Warming // Transactions of the Institute of Hydrometeorology, Georgian Technical University vol. 119, 2013 (co-author G.Meladze).

66. Estimation of Agroclimatic Potential of Mtsheta-Mtianeti Region // Transactions of the Institute of Hydrometeorology, Georgian Technical University vol.119 , 2013 (co-author G.Meladze).

67. Climatic and Agroclimatic Features of Kolkheti Lowland Humid Subtropical Zone // International conference Workbook, TSU, 2013 (co-author M.Tatishvili), (Georg.).

68. Scenario of Distribution Zones of crops in South Georgia With Account of Climate Change (on an example of Akhaltsikhe) // TSU, 2013 (co-author G.Meladze), (Georg.).

69. 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 G.Meladze), (Georg.).

70. Climate Change Mitigation Modern Techniques for Forest Ecological Monitoring // Bulletin of the Academy of agricultural Sciences of Georgia, vol.32, 2013 (co-authors M.Tatishvili, I.Mkurnalidze, M.Kaishauri), (Georg.).

71. Global Warming and Change of Agroecological Zones. http://conference.ens-2013.tsu.ge/uploads/ 52e1459fa4b50Maia_Meladze-ENG.pdf

72. Reducing Deforestation and Forest Degradation Through Remote Sensing Techniques. International conference Workbook, Agricultural University of Georgia, 2013 (co-authors M.Tatishvili, I.Mkurnalidze, M.Kaishauri), (Georg.).

73. Transformation of Agroecological Zones in the Conditions of Global Warming // Bulletin of the Academy of agricultural Sciences of Georgia, vol.33, 2014 (co-author G.Meladze), (Georg.).

74. Agroecological Zones of Kakheti Region // Bulletin of the Academy of agricultural Sciences of Georgia, vol.33, 2014 (co-author G.Meladze), (Georg.).

75. 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; 2014 (co-author G.Meladze), (Georg.).

76. Agroecological Zone of Mtskheta-Mtianeti Region. http://conference.ens-2014.tsu.ge/uploads/ 52e1459fa4b50Maia_Meladze-ENG.pdf

77. Assessment of Climate Change Impact on Agricultural Crop Productivity and Crop-Water Requirement in Kakhety Region // International conference Workbook, Georgian Academy of Agricultural Sciences, 2014 (co-authors Megrelidze l., Shvangiradze M.), (Georg.).

78. Impact of Climate Change on Agroclimatic Features of Crops (Example of Sagarejo) // International conference Workbook, Georgian Academy of Agricultural Sciences, 2014 (co-author G.Meladze), (Georg.).

79. Satellite Information for Climate Change Mitigation in Agroforestry // International conference Workbook, Georgian Academy of Agricultural Sciences, 2014 (co-authors M.Tatishvili, I.Mkurnalidze, M.Kaishauri).

80. Kolkheti - Unique Agroclimatic Zone of Wine Growing and Winemaking // Vakhushti Bagrationi Institute of Geography, TSU, #6(85) 2014 (co-authors G.Meladze, V.Gogitidze), (Georg.).

81. Agroclimatic Potential of Wine Growing and Winemaking of Shida Kartli // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 120, 2014 (co-authors V.Gogitidze), (Georg.).

82. The Main Food Crops Vulnerability Scenarios Considering Climate Change // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 120, 2014 (co-authors G.Meladze), (Georg.).

83. Carbon Sequestration for Deforestation and Forest Degradation Reduction Using Satellite Technologies // International Scientific-Practical Journal -„Forestry Bulletin", vol.8, 2014 (co-authors M.Tatishvili, I.Mkurnalidze, M.Kaishauri), (Georg.).

84. Agroclimatic Aspects of Farming Development in Mountain and High-Mountain Region of Georgia // Annals of Agrarian Science, Vol. 3(1), 2014 (co-authors G.Meladze, M.Tutarashvili)

85. 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 G.Meladze, M.Tutarashvili)

86. Apple specis ecological Classification and Zoning in Eastern Georgia. Bulletin of the Academy of agricultural Sciences of Georgia, vol.34, 2015 (co-author V.Gogitidze), (Georg.).

87. The Main Agroecological Aspacts of Kakheti Region. Bulletin of the Academy of agricultural Sciences of Georgia, vol.34, 2015 (co-author A.Andronikashvili), (Georg.).

88. Agro-ecological Indices of Winter Wheat Under Climate Change. http://conference.ens-2015.tsu.ge/uploads/ 52e1459fa4b50Maia_Meladze-ENG.pdf

89. Impact of Global Warming on the Vegetation Durable and Distribution Area of Crops in the Humid Subtropical and Mountainou Regions of Georgia // American Journal of Environmental protection, vol.4. No.3-1, 2015, ISSN:2328-5680 (co-author G.Meladze)

90. Some Urgent Issues of Georgia's Geography // American Journal of Farth Sciences, vol. 4(5-1). No.5-1, 2015, ISSN:2328-5974 (co-authors N.Elizbarashvili, G.Meladze, D.Svanadze, L.Gadrani, J.Lazarashvili)

91. Prinsiples of Agroecology // publ. house „UNIVERSAL'', Tbilisi, 2015 ISBN: 978-9941-22-485-0 (Georg.)

92. 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 G.Meladze), (Georg.).

93. 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 G.Meladze), (Georg.).

94. GIS and Sattellite Technologies in forest Cover Monitoring // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 121, 2015 (co-authors M.Tatishvili, I.Mkurnalidze, L.Chinchaladze), (Georg.).

95. 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 G.Meladze), (Georg.).

96. Satellite technologies in Forest Ecological Monitoring // International Conference Workbook of the Academy of Agricultural Sciences of Georgia, 2015 (co-authors: M.Tatishvili, I.Mkurnalidze).

97. Impact of Climate Change on the Forest Ecosystems // International Scientific-Practical Journal - ,,Forestry Bulletin", vol.10, 2015 (Georg.).

98. Climate of Georgia. 5.Shida Kartli. Agroclimatic Resources // Transactions of the institute of hydrometeorology, vol. 122, 2016 (co-author G.Meladze), (Georg.).

99. Estimation of Agroecological Indexes of Kvemo Kartli Region // http://conference.ens-2016.tsu.ge/uploads/56a205a562f5eMAIA_Meladze-ENG.pdf

100. 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 G.Meladze)

101. Global Warming and Change Tendency of Agroecological Indices on the Territory of Borjomi // TSU, Transactions of scientific conference, 2016 (co-author G.Meladze), (Georg.)

102. 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 G.Meladze, V.Trapaidze)

103. 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, G.Meladze, D.Svanadze)

104. 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 G.Meladze), (Georg.).

105. 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 ISSN:0975-833X, India, 2016 (co-authors G.Meladze, N.Elizbarashvili, G.Meladze)

106. 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 G.Meladze) (Georg.)

107. 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, G.Meladze) (Georg.)

108. Agrometeorological Forecasts of Harvest in Kakheti Region // http://conference.ens2017.tsu.ge/uploads/588c7c63b01c9Maia_Meladze-ENG.pdf

109. 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 G.Meladze)

110. Optimal Terms of Food Crops Agro-technology Under Global Warming // Transactions of the institute of hydrometeorology, vol.124, 2017 (co-author G.Meladze), (Georg.)

111. 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 G.Meladze), (Georg.)

112. Earth Observing System Satellite Data Applications in Georgia // Proceedings of International Conference: ,,Landsceape Dimensions of Sustainable Development: science-planning-govermence". Iv.Javakhishvili Tbilisi State University, 2017 (co-authors: M.Tatishvili, I.Mkuralidze, L.Chinchaladze)

113. Distribution of Grapevine Culture and Global Warming in Georgia // International Conference Workbook of the Academy of Agricultural Sciences of Georgia, 2017 (co-author G.Meladze) (Georg.)

114. Agro-ecological conditions of organic farming in the highlands of Georgia // http://conference.ens-2018.tsu.ge/uploads/5a65b39449945MAIA_Meladze-ENG.pdf

115. Evaluation of the Agro-Ecological Potential of Racha-Lechkhumi - Kvemo Svaneti region (Georgia) and Zoning of Crops // 18th International multidisciplinary scientific geoconference SGEM, Ecology and Environment Protection, vol. 18, Issue:5.1, Albena, Bulgaria, 2018 (co-authors: G.Meladze, V.Trapaidze, G.Meladze), pp. 361-367

116. 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 G.Meladze) (Georg.)

117. The impact of global warming on vine sorts. The seventh annual conference in exact and natural scinces, 2019, http://conference.ens-2019.tsu.ge/uploads/5c4afbf6192bdMaia-Meladze-ENG.pdf

118. 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 G.Meladze), (Georg.)

119. Climate of Georgia. 6. Imereti, Agroclimatic resources // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 126, 2019, pp. 72-83 (co-author G.Meladze), (Georg.)

120. Impact of weather and Climate extremes on landscapes in Georgia // International multidisciplinary combined event on Actual problems of landscape sciences: environment, society, politics, 2019 (co-authors: M.Tatishvili, L.Kartvelishvili, G.Meladze, I.Samkharadze, A.Palavandishvili, N.Kutaladze), pp. 144-148

121. 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: G.Meladze), pp. 221-225

122. 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 G.Meladze)

123. 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 G.Meladze), (Georg.)

124. 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 G.Meladze), (Georg.)

125. Agricultural Dictionary // The Georgian National Academy of Sciences, Vol. I, II, 2019, I - p. 202, II - p. 397 (co-authors G.Meladze and collectors of authors), (Georg.)

126. Agroclimatic Zoning of Western region of Georgia // Annals of Agrarian Sciences Science, vol.17, N4, 2019 (co-author G.Meladze), pp. 422-432

127. Climate Change: Agroclimatic Challenges and Prospects in Eastern Georgia (Monography)// Publ. House ,,UNIVERSAL'', Tbilisi, 2020, (co-author G.Meladze) 200 p.

128. Global warming and evaluation of agroecological conditions in Samegrelo - Zemo Svaneti region // The Eighth annual conference in exact and natural sciences, http://conference.ens-2020.tsu.ge/uploads/5a65b39449945MAIA_Meladze-ENG.pdf

129. 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, G.Meladze, R.Elizbarashvili, D.Sidamonidze) DOI:10.22438

130. 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, D.Sidamonidze), pp.139-155
131. 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 G.Meladze), pp. 80-83 (Georg.)

132. 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 G.Meladze), (Georg.)

133. 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 G.Meladze), (Georg.)

134. Climate of Georgia. 7. Kakheti, Agroclimatic resources // Transactions of the Institute of Hydrometeorology, Georgian Technical University, vol. 128, 2020, 160p. (co-author G.Meladze), (Georg.)

135. 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 G.Meladze), (Georg.)

136. 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 G.Meladze), (Georg.)

137. 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 G.Meladze), (Georg.)

138. 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 G.Meladze)

139. Agro-climatic potential of Kvemo Kartli arid subtropical zone under conditions of global warming // Proceedings of International Scientific Conference - ,,Aspects of innovative research in agrarian sciences'', 2021, pp. 413-416 (Georg.)

140. 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 G.Meladze), (Georg.)

141. 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 G.Meladze), (Georg.)

142. Determining the water demand of agricultural crops in the village of Vidya, Gardabani municipality // Proceedings of the 1st international scientific conference - World Scientific Reports, #1, Paris, France, 2022, pp. 223-226, DOI. 5281/zenodo.7338607 (co-authors: Kharaishvili O., Mebonia N., Kikabidze M., Baidauri L., Lortkipanidze F., Omanadze A.)

143. Irrigation efficiency during sowing and vegetation period // Proceedings of the 1st international scientific conference - World Scientific Reports, #1, Paris, France, 2022, pp. 227-237, DOI. 5281/zenodo.7338607 (co-authors: Kharaishvili O., Darsavelidze T., Gogishvili T., Natroshvili G., Gabrielidze T.)

144. 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.)

145. Impact of hydrometeorological disasters on viticulture zones in Racha-Lechkhumi - Kvemo Svaneti // Proceedings of International Scientific Conference ,,World viticulture and enology - the history, modernity and perspectives of sustainable development'', 2023, pp. 59-64 (co-author S.Gorgijanidze), (Georg.)

146. 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 G.Meladze, M.Tatishvili)

147. Neglected cultivars for the Mtskheta-Mtianeti region (East Georgia): ampelography, phenology, and agro-climatology // Journal of Grapevine Research - Vitis, vol. 62#2, 2023, pp.75-84 https://doi.org/10.5073/vitis.2023.62.75-84 (co-authors L.Mamasakhlisashvili, L.Ujmajuridze, D.Migliaro, C.Domanda, L.Rustioni) ISSN 2367-4156, former print ISSN 0042-7500

148. 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 G.Meladze), (Georg.)

149. 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, G.Meladze, A.Palavandishvili)

150. 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 G.Meladze), (Georg.)

151. Evaluation of climatic and forest resources of mountainous regions of Georgia using modern Technologies // Proceedings of international scientific conference - ,,Natural Resources and

Resorts as Sustainable Development Factors’’. Georgian Technical University, 2023, (co-authors M.Tatishvili), pp. 52-55

152. 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 G.Meladze) pp.246-249