

List of scientific works
Associate Professor Olga Kharaishvili

Textbooks:

№	Title of scientific paper	Year of publication	Co-author	Publishing house, journal
1	Agricultural melioration for the implementation of course and control tasks for students of the agronomic specialty. Methodological reference	1984	T. Tsitsishvili, O. Tsutsunashvili, S. Giorgadze, L. Abashidze	Georgian Agricultural Institute of the Order of the Red Banner of Labor Georgian Agricultural Institute Tbilisi
2	Agricultural hydrotechnical melioration for the implementation of a course project for students of the hydromelioration specialty and forestry specialty. Methodological reference	1985	T. Tsitsishvili, O. Tsutsunashvili.	Georgian Agricultural Institute of the Order of the Red Banner of Labor Georgian Agricultural Institute Tbilisi
3	Agricultural land reclamation for students of agronomic specialties for control and coursework. Methodological instructions	1987	T. Tsitsishvili, O. Tsutsunashvili, K. Kobaladze	Georgian Agricultural Institute of the Order of the Red Banner of Labor
4	Agricultural reclamation for students of the Eco-organization, Horticulture and Viticulture Methodical instructions	1987	K. Kobaladze	Georgian Agricultural Institute of the Order of the Red Banner of Labor
5	Agricultural land reclamation for the implementation of control work for students of the Economics of Organization, Horticulture and Viticulture specialty, correspondence studies. Methodological reference	1991	K. Kobaladze	Georgian Agrarian University

6	Agricultural land reclamation: The effectiveness of drip irrigation considering fertigation. Methodological reference	1999	G. Gavardashvili	Georgian State Agrarian University
7	Agricultural Hydrotechnical Melioration Design of Irrigation Systems Part IV G. Tughushi	2000	G. Tugushi P. Tugushi K. Bziava	Georgian State Agrarian University
8	Agricultural Hydrotechnical Melioration Design of Irrigation Systems Part V	2000	G. Tugushi P. Tugushi K. Bziava	Georgian State Agrarian University
9	Agricultural hydrotechnical melioration Special types of land irrigation Watering and water supply	2000	G. Tugushi P. Tugushi	Georgian State Agrarian University
10	Determining the amount of water needed for the region	2006		Georgian State Agricultural Institute
11	Land Reclamation	2010	E. Kukhalashvili, T. Katsarava, S. Giorgadze, N. Undilashvili, Sh. Kupreishvili	Georgian I. Chavchavadze International Scientific Cultural Educational Union Society Knowledge ISBN 978.9941 -411-25-0 UDC 6314.32-631.674.3 Ch-252
12	The influence of irrigation regime and fertilizers on the programmed yield of corn in the conditions of the Mukhran-Samgori Valley	2011		Georgian State Agrarian University
13	Practicum of agricultural melioration	2018	D. Gubeladze	Publisher: Ind. entrepreneur Gocha Dalakishvili; E-mail: gocha.dalakishvili@yahoo.com ISBN 978-9941-8-0713-8 UDCuak 631.6./g-921 2018. GTU .626.(02)/15
14	Corn crop forecasting	2019	O. Kharashvili	UDC(UAK)631.6g-921 ISBN 978-9941-8-1006-0 2019 year GTU 633.1/17(02)15
15	Agricultural Hydromelioration	2020	D. Gubeladze	Publisher: Ind. Entrepreneur Gocha Dalakishvili, E-mail: gocha.dalakishvili@yahoo.com ISBN 978-9941-8-2230-8 UDC UAC 631.6./G-921 2020
16	Drainage workshop	2020	E. Kechkhoshvili	Georgian Technical University UAC 631.62

				ISBN 978-9941-28-576-9 http://www.gtu.ge 2020 gtu.ge https://publishhouse.gtu.ge › post
17	Agro-ameliorative measures for growing agricultural crops	2022	L. Baidauri	Publisher: Ind. Entrepreneur Gocha Dalakishvili; E-mail: gocha.dalakishvili@yahoo.com UAK 631.6 Kh-25 ISBN 978-9941-8-4724-0 STU.CD7179 2022 year
18	Agromelioration	2022	D. Gubeladze	Publisher: Ind. Entrepreneur Gocha Dalakishvili E-mail: gocha.dalakishvili@yahoo.com ISBN 978-9941-8- 4167-5 UDC UAC 631.6(075. 80g-921 Stu. 631.6(02)/9 2022 year
19	Ecology, Ethics and Environment	2022		Publisher: Ind. Entrepreneur Gocha Dalakishvili; E-mail: gocha.dalakishvili@yahoo.com ISBN 978- 9941-84723-3 UDC UAC 574.Kh-25 GTU CD7180 2022 year
20	Irrigation practicum	2023	D. Gubeladze	Publishing House Technical University ISBN 978-9941-28-954- 5 UDC UAK 631.6 2023 year
21	Economic efficiency of rational use of irrigation water for sustainable development of mountain regions	2023	M. Vartanov Sh. Kupreishvili	Publisher: Ind. Entrepreneur Gocha Dalakishvili; E-mail: gocha.dalakishvili@yahoo.com ISBN 978-9941-8-4258- 0 UDC (UAC)-626628.38 2023 year
22	Irrigation Laboratory Workbook	2023	I. Inashvili K. Bziava Sh. Kupreishvili N. Undilashvili M. Lomishvili	Publishing House Georgian Technical University UAC 332 ISSN978- 9941-28-266-9 http://www.gtu.ge 60 p.
23	Practical guide to irrigation	2023	E. Kechkhoshvili	UAC 631.6 Publishing House Georgian Technical University, 2023 ISBN 978-9941-28-954-5 http://www.gtu.ge p. 121

24	Developing skills in the use of irrigation and drainage systems	2024	I. Iremashvili T. Akhaladze L. Giorgadze	Digital textbook https://lms.geoskills.ge/course/view.php?id=54
25	Harmless and safe food for human health	2024	I. Iremashvili, T. Akhaladze, K. Melikidze	Digital textbook https://lms.geoskills.ge/course/view.php?id=54
26	Agriculture	2024	O. Kharashvili D. Baidauri	Publishing House "Universal" Tbilisi.01806 A. Politkostava St. 4 Gamomcemloba universali@gmail.com ISBN978-9941-8-6543-5
27	Optimization of water resources in agriculture	2024	P. Sichinava, M. Kupravisvili, K. Beriashvili N. Kakabadze N. Mebonia	Publishing house "Universal" Tbilisi.01806 A. Politkostava St. 4 Gamomcemloba universali@gmail.com ISBN978-9941-8-6544-2 UDC (UAC) 631.6 x – 921
28	Environmental safety and land reclamation	2024	St. Rokva	Publishing house "Universal" Tbilisi.01806 A. Politkostava St. 4 Gamomcemloba universali@gmail.com ISBN978-9941-8-6542-8 UAC 631.6 R-921 STU.631.5(02)/1
29	Vegetable quality and taste properties	2025	O. Kharashvili, P. Vacheishvili	UDC(UAK)-631-635.1/8 Publishing House "Universal", 2025 ISBN 978-9941-0-8560-4
30	Clarification of irrigation indicators for administrative units of Marneuli Municipality, Kvemo Kartli Region	2025	G. Gavardashvili Sh. Kupreishvili N. Mebonia	The manual has been approved by the Scientific Educational, Methodological Editorial Board of the Tsotne Mirtskhulav Institute of Water Management of the Georgian Technical University, Protocol #1 12.01.2025 Publishing house 2025 Universal ISBN 978-941-521-26-3

31	Wise management and use of water resources on degraded soils	2025	O. Kharaishvili, T. Akhaladze, Sh. Kupreishvili, K. Bziava, I. Inashvili, K. Rokva, N. Gabashvili, N. Mebonia M. Macharashvili, L. Baidauri, K. Beriashvili, P. Sichinava.	The manual is compiled in accordance with the curriculum, analyzed and approved by the Department of Agricultural Engineering, Faculty of Agricultural Sciences and Biosystems Engineering, Georgian Technical University, Protocol N 8 18.02.2025 Publishing House 2025 Universal ISBN 978-941-521-27-1
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Monograph:

№	Title of scientific paper	Year of publication	Co-author	Publishing house, journal
1	Corn crop forecasting	2019		Publishing house Ind.entrepreneur Gocha Dalakishvili E-mail: gocha.dalakishvili@yahoo.com ISBN 978-9941-8-1006-0-5 UAC 631.6 G-921 Stu.633.1/17
2	Determining irrigation indicators and irrigation needs of Georgia's irrigation regions by municipality.	2023	N. Mebonia L. Akhvlediani	The monograph was published with the support of the Shota Rustaveli National Science Foundation of Georgia (grant Nsp-22-1313) The monograph was approved by the Department of Agroengineering of the Faculty of Agricultural Sciences and Biosystems Engineering of the Georgian Technical University on 10.05.2023, Protocol 9 By the Scientific and Methodological Editorial Board of the Mirtskhulav Institute of Water Resources of the Georgian Technical University on 19.05.2023, Protocol 25 First edition Sachino Publishing House ISSN – 978-9941-9846-0-0 DOI1 0.52340 www.calameo.com /accdunts/7382956

Lecture courses:

№	Title of scientific paper	Year of publication	Co-author	Publishing house, journal
1	Agricultural Land Reclamation Lecture Course	2015	D. Gubeladze,	სტუ CD2722
2	Optimal Irrigation Water Use Regimes in Sustainable Organic Mountain Farming Systems Lecture Course.	2019	D. Gubeladze, N. Mebonia, P. Sichinava	სტუ CD5866
3	Soils of the Georgian Highlands.	2019	D. Gubeladze,	სტუ CD5876
4	Irrigation of Mountain Pastures	2020	D. Gubeladze, P. Sichinava	სტუ CD5883
5	Water Demand and Water Supply of Mountain Regions	2020	D.Gubeladze, N.Mebonia, P.Sichinava M.Kikabidze	სტუ CD5881

Articles:

№	Title of scientific paper	Year of publication	Co-author	Publishing house, journal
1	Some issues of soil erosion from slopes	1985	D. Dokhnadze, M. Shelia	Georgian Red Banner of Labor Agricultural Institute Georgian SSR Irrigation of mountain and foothill lands Scientific papers UDK631.4 50-54 p.
2	Soil reclamation indicators of the Digomi experimental farm	1987	O. Tsutsunashvili	Georgian Agricultural Institute Rational use of water resources and increasing the characteristics of water supply and wastewater systems. Scientific papers UDK634:671:1
3	Determining the physical and water properties of soil for the purpose of rational use of irrigation water	1990	S. Giorgadze, J. Panchulidze	Georgian Agricultural Institute Issues of construction and exploitation of hydro-ameliorative systems in Georgia. Scientific paper UDK631:602:631.674.1

				pp. 81-88 ISBN5-8120-0012-3
4	The influence of photosynthetic potential on leaf development of the corn hybrid "Enguri"	1995		Georgian Agrarian University Proceedings of the Republican Scientific Conference of Postgraduate Students and Degree Seekers ISBN5-9120-0066-2
5	Dynamics of mobile forms of phosphorus in corn hybrid "Enguri" crops	1995		Georgian Agrarian University Proceedings of the Republican Scientific Conference of Postgraduate Students and Degree Seekers ISBN5-9120-0066-2
6	The current state of the open irrigation network and ways to increase its efficiency using the example of the Digomi irrigation system	1996	G. Tughushi, L. Abashidze, S. Giorgadze, J. Panchulidze	Georgian Agrarian University Issues of Engineering Ecology in Hydrotechnical Reclamation Scientific Papers 24 -27 pp. UAK 551:629 ISBN 275-8120-0065-7
7	The influence of irrigation and mineral fertilizers on the grain yield of the corn hybrid 'Enguri'	1996		Georgian Agrarian University Issues of Engineering Ecology in Hydrotechnical Reclamation Scientific Papers pp.85-88pp. UAK 551:629 ISBN 275-8120-0065-7
8	The effect of increasing doses of mineral fertilizers on grain and straw yield of the corn hybrid "Enguri"	1996	I.Kasaburi	Georgian Agrarian University Issues of Engineering Ecology in Hydrotechnical Melioration Scientific Papers p81-85 UAK 551:629 ISBN 275-8120-0065-7
9	Corn water demand considering metrological factors and soil moisture dynamics	1997		Georgian State Agrarian University Collection of Scientific Works of Postgraduate Students and Degree Seekers Vol. 2 350-353 pp. UAK 631.6.602.631.674. ISBN 275-8120-0065-7
10	Criteria for evaluating climatic factors for programming	1998		SSAU Agrarian Sciences Problems of Scientific Works Collection Volume 3
11	Water requirement of green mass of corn considering climatic factors and soil moisture dynamics	1998		SSAU Problems of Agricultural Sciences Collection of Scientific Works Vol. 3
12	Results of a preliminary field and weed survey on the Colchis Plain	2000	Z. Tkebuchava	Z. Tkebuchava Georgian State Agrarian University Current Issues in Agricultural Sciences Scientific Papers
13	Determination of the main H/M and morphometric parameters of surface runoff	2001	Sh. Kupreishvili, V. Shurgaia	Georgian State Agrarian University Current Issues in Agricultural Sciences Scientific Papers

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14	Parameters of an open drainage network taking into account the erosion resistance characteristics of the soil	2002	R. Lortkipanidze	Georgian State Subtropical University. Imereti Ecological Academy Agroecology of the Subtropical Zone of Georgia. Collection of Works 74-77 p.
15	Determining the distance between dry catchment channels	2003	Sh. Kupreishvili	Ministry of Education of Georgia Georgian State Agrarian University Georgian State Zoo-Veterinary University Georgian State University of Subtropical Agriculture Problems of Agrarian Science Collection of Scientific Works. Vol. XXIX, ISSN1512-200X 63(082)A243
16	Quantitative assessment of energy and volume characteristics of water in the capillary bed of soil-soil	2004	Sh. Kupreishvili, T. Odilavadze	Ministry of Education of Georgia Georgian State Agrarian University Georgian State Zoo-Veterinary University Georgian State University of Subtropical Agriculture Problems of Agrarian Science Collection of Scientific Works. Vol. XXIX, ISSN1512-200X 63(082)A243
17	Determination of Capillary Potential in Soils	2004	S. Giorgadze, Sh. Kupreishvili, T. Odilavadze	Ministry of Education of Georgia Georgian State Agrarian University Georgian State Zoo-Veterinary University Georgian State University of Subtropical Agriculture Problems of Agrarian Science Collection of Scientific Works. Vol. XXIX, ISSN1512-200X 63(082)A243 124-126p
18	The quality of water resources of the Aragvi River Basin against the background of anthropogenic and natural factors	2005	R. Diakonidze Zh. Mamasakhlisi	Ministry of Education and Science of Georgia Georgian State Agricultural Institute Problems of Agrarian Science Collection of Scientific Works Vol. XXXIII, 146-153
19	Criteria for solar radiation and its dependent factors during the vegetation period for programming corn harvest	2008	N. Burduli T. Glonti	Ministry of Education and Science of Georgia Georgian State Agricultural Institute Collection of Scientific Works, Vol. 1, #3(44), ISSN 1987-6599
20	Determination of the optimal soil moistening depth with consideration of irrigation water saving	2009	N. Undilashvili, L. Abashidze	Ministry of Education and Science of Georgia Georgian State Agrarian University Collection of Scientific Works, Vol. 2 #4(49) 63(082) A 243 ISSN 1987-6599
21	Development of criteria for assessing the sensitivity and risks of expected ecological problems caused by disasters, and their use for the prevention of these	2014	R. Diakonidze, P. Lortkipanidze Z. Parkadze	Ministry of Education and Science of Georgia, St. Ts. Mirtskhulav Institute of Water Management, Collection of Scientific Works #69 – Dedicated to the 85th Anniversary of

	problems		K. Dadiani N. Nibladze	the Institute of Water Management ISSN1512-2344
22	The influence of irrigation on the yield of agricultural	2014	M. Kikabidze	Ministry of Education and Science of Georgia, Ts. Mirtskhulava Institute of Water Resources, Collection of Scientific Works #69 – Dedicated to the 85th Anniversary of the Institute of Water Resources ISSN1512-2344
23	Criteria of solar radiation and factors dependent on it during the growing season for the programming of Ajamet Tetri variety corn harvest	2015		Ministry of Education and Science of Georgia, GTU. Ts, Mirtskhulavasakh, Collection of scientific works of the Institute of Water Management Volume 70 year ISSN1512-2344 p215-218
24	The influence of feeding regime and milking on the yield of "Georgian Krugi" corn variety	2015	GTU international scientific magazine, historical verticals #-32 p. 100-104 ISSN1512-4959	The influence of feeding regime and milking on the yield of "Georgian Krugi" corn variety
25	Nutrients removed from soil by grain, straw and total biomass of corn variety Ajameti Tetri under irrigation systems of Shida Kartli (Mukhran)	2016	N. Mebonya Q. Rokva M. Kikabidze L. Baidauri M. Lomishvili	Ministry of Education and Science of Georgia, GTU. Ts, Mirtskhulavasakh, Collection of scientific works of the Institute of Water Management Volume 71 year ISSN1512-2344 p145-150
26	Effect of nutrition regime and irrigation on yield of maize variety Ajamet	2016	Q. Rokva L. Baidauri	GTU. Historical Verticals Volume 34 p. 217-221 ISSN1512-4959
27	Specifying the elements of the irrigation regime taking into account the physical water properties of the soil	2017	N. Mebonya M. Kikabidze M. Lomishvili	Ministry of Education and Science of Georgia, GTU. Ts, Mirtskhulavasakh, Collection of scientific works of the Institute of Water Management Volume 72 year ISSN1512-2344 p185-189
28	Calculation of the open network of acceleration of the surface water flow of the agricultural fields located in the surrounding area of Anaklia, Lazik, Poti, 2017	2017	P. Sichinava, Sh. Kupreishvili, F. Lortkipanidze	Ministry of Education and Science of Georgia, GTU. Ts, Mirtskhulavasakh, Collection of scientific works of the Institute of Water Management Volume 72 year ISSN1512-2344 p152-156
29	Determining the physical- water properties of the soil for the purpose	2018	N. Mebonya M. Kikabidze	"Science and Life" magazine, Volume 1(17), TSU, Tbilisi, p. 97-

	of rational use of irrigation water		M. Lomishvili	101. ISSN1987-9377
30	"Akhalkalaki Tsertsvela" as a reliable measure to increase the food base of livestock and increase soil fertility	2018	L. Baidauri	International peer-reviewed scientific journal "Erudite" of education Academy 10-13 ISSN2587-4861
31	The yield of green mass of Akhalkalaki tsertsvela under conditions of different irrigation regimes under the conditions of Mukhran Saguramo field.	2018	N. Mebonya L. Baidauri	"Science and Life" magazine, Volume 1(17), TSU, Tbilisi, pp. 101-105. ISSN1987-9377
32	Calculation parameters of the open drainage network taking into account the characteristics of erosion resistance of NIA-DAG- soils	2018	N. Undilashvili	Stu international scientific magazine, historical verticals #-39 p. 137-139 ISSN 1512-4959
33	Methodology for determining the maximum costs of water accounting provision	2018	J. Fanchulidze, R. Diakonidze, Z. CHarbadze, M. Shavlakadze, K. Dadiani, B. Diakonidze, N. Nibladze	Ministry of Education and Science of Georgia, GTU. Ts, Mirtskhulavasakh, Collection of scientific works of the Institute of Water Management Volume 72 year ISSN1512-2344 p90-94
34	Interaction between flow and bed, taking into account the filtration characteristics of the soil	2018	D. Gubeladze	Ministry of Education and Science of Georgia, GTU. Ts, Mirtskhulavasakh, Collection of scientific works of the Institute of Water Management Volume 72 year ISSN1512-2344 p 30-34.
35	Study of materials for use as water-soluble, non-bulk manganese-containing microfertilizers based on local mineral resources	2018	M.Shavlakadze K. Dadiani L. Maisaia Kh. Kiknadze O. Kharaishvili	https://dspace.nplg.gov.ge/handle/1234/2999 56 ISSN 1512-2344 Ministry of Education and Science of Georgia Ts. Mirtskhulavava Institute of Water Resources Environmental Protection Ecocenter V11I International Scientific Conference 'Modern Problems of Water Resources, Environmental Protection Architecture and Construction'

				Collection of Proceedings 1-5- November 253-256 pp. 2018
36	Water erosion processes impact, protection of forest resources and agricultural lands	2019	D. Gubeladze O. Kharaishvili N. Mebonia M. Kikabidze	Ministry of Education and Science of Georgia Ts. Mirtskhulav Institute of Water Management Ecocenter for Environmental Protection IX International Scientific Conference 'Modern Problems of Water Management, Environmental Protection Architecture and Construction' Collection of Proceedings #74 69-73pp. 25-27 July 2019
37	Distribution of Water Resources on Earth	2019		Georgian Technical University, 86th International Scientific Conference of Students 392-395.
38	Methods of evaluating the economic effectiveness of drip irrigation	2019	G. Natroshvili M. Glunchadze	Georgian Academy of Agricultural Sciences, collection of scientific works "Moambe" volume 2(43) Tbilisi 201 p. 69-66 UDC (UAC)63+338.4+664)(08) ISSN 1512- 2743
39	Determining the limit water carrying capacity and volumetric weight index of the soils of the Mukhran-Saguramo Valley in laboratory conditions	2019	N. Mebonia M. Kikabidze M. Lomishvili Q. Rokva	Ministry of Education and Science of Georgia, GTU. Ts, Mirtskhulavasakh, Collection of scientific works of the Institute of Water Management Volume 74 year ISSN1512-2344 p 130-135.
40	Experimental study of bed deformations	2019	N. Mebonia M. Kikabidze	Ministry of Education and Science of Georgia, GTU. Ts, Mirtskhulavasakh, Collection of scientific works of the Institute of Water Management Volume 74 year ISSN1512-2344 p 18-23.
41	in Tetrtskaro municipality Assessment of irrigation regime For efficient management of farms	2021	N. Mebonia	International scientific and practical conference dedicated to the 80th anniversary of Professor Guram Tkemaladze, an academician of the Academy of Social Sciences of the Technical University of Georgia. Aspects of innovative research in agricultural sciences. Collection of works. .ge pp. 425-430. 2021
42	Vertical water permeability in soil and	2021	O. Kharaishvili	Journal "Science and Life", 3(22) vol., TSU, Tbilisi

	methods for its determination			pp. 80-86. 2021
43	SEED ROTATION BY DETERMINING THE SUPPLY OF IRRIGATION WATER	2022	M. Lomishvili Sh. Kupreishvili P. Sichinava L. Shegelaia	Proceedings of the 1st International Scientific Conference «World Scientific Reports» (November 17-18, 2022). Paris, France, UDC 001.1 p97 ISBN 978-1-8628-5741-4, DOI 10.5281/zenodo.7338607, Published: 2022-11-20, 211-216 pp. https://ojs.publisher.agency/index.php/WSR/issue/view/7 2022 წელი
44	Cultivable land Water supply and a Perspective View of Agricultural Crop Yield	2022	O. Kharashvili, N. Mebonia, A. Omanadze	Publisher.agency : Proceedings of the 1st International Scientific Conference «Academics and Science Reviews Materials» (November 10-11, 2022). Helsinki, Finland, 2022. 228p ISBN 978-8-5911-8827-7 DOI 10.5281/zenodo.7315918
45	Determining the amount of water needed to dissolve salts soil	2022	M. Lomishvili K. Rokva Sh. Shamatava	Publisher.agency : Proceedings of the 1st International Scientific Conference «Academics and Science Reviews Materials» (November 10-11, 2022). Helsinki, Finland, 2022. 228p UDC 001.1 P 97 ISBN 978-8-5911-8827-7 DOI 10.5281/zenodo.7315918 Editor@publisher.agency Http://publisher.agency/
46	Determining parameters of soil	2022	E. Kukhalashvili N. Beraya K. Rokva K. Bagauri	Proceedings of the 1st International Scientific Conference «Reviews of Modern Science» (November 24-25, 2022). Zürich, Switzerland, UDC 001.1 p97 ISBN 978-6-6054-8210-6, DOI 10.5281/zenodo.7369832, Published: 2022-11-27, 251-259 pp Ciurixi, Sveicaria
47	Irrigation area of agricultural crops Irrigation mode	2022	E. Kukhalashvili T. Odilavadze N. Mebonia M. Tananashvili	Publisher.agency: Proceedings of the 1st International Scientific Conference «World Scientific Reports» (November 17-18, 2022). UDC 001.1 p97

			Sh. Shamatava G. Mosiashvili	ISBN 978-1-8628-5741-4 DOI10.5281/zenodo.7338607, Paris, France, 2022. 216-222 https://ojs.publisher.agency/index.php/WSR/issue/view/7/21
48	IRRIGATION EFFICIENCY DURING SOWING AND VEGETATION PERIOD	2022	T. Darsavelidze T. Gogishvili M. Meladze G. Natrosvili T. Gabrielidze	Publisher.agency: Proceedings of the 1st International Scientific Conference «World Scientific Reports» (November 17-18, 2022). UDC 001.1 p97 ISBN 978-1-8628-5741-4 DOI 10.5281/zenodo.7338607/7338607, Paris, France, 2022. 223-226 https://ojs.publisher.agency/index.php/WSR/issue/view/7/21
49	IRRIGATION MODE OF SAQARTVELO MUNICIPALITY KAKHETI SUBZONE OF VITICULTURE ZONE I OF GEORGIA	2022	N. Mebonia M. Tananashvili A. Omanadze	Proceedings of the scholarly abstracts European Academic Science and Research https://ojs.scipub.de/index.php/EASR/issue/view/50/91 სერთიფიკატები https://ojs.scipub.de/index.php/EASR/issue/view/50/90 ISSN 2789-1968 2022. pp20-30
50	DETERMINING THE WATER DEMAND OF AGRICULTURAL CROPS IN THE VILLAGE OF VIDYA, GARDABANI MUNICIPALITY	2022	N. Mebonia M. Kikabidze L. Baidauri D. Baidauri M. Meladze F. Lortkipanidze A. Omanadze	Publisher.agency: Proceedings of the 1st International Scientific Conference «World Scientific Reports» (November 17-18, 2022). ISBN 978-1-8628-5741-4 DOI 10.5281/zenodo.10962054 Paris, France, 2022. 339p. https://ojs.publisher.agency/index.php/WSR/issue/view/7/21
51	Irrigation indicators of the second viticulture zone, subzone, Shida Kartli, irrigation zone of Mtskheta municipality	2022	M. Tananashvili A. Omanadze	Publishing House, Technical University of Georgia Faculty of Agricultural Sciences and Biosystems Engineering Faculty of Business Technologies Faculty of Mountain Sustainable Development Iter

				Vit Georgian Viticulture and Winery Scientific Research Center Stu From a series of monographs World viticulture and winemaking history, modernity and prospects for sustainable development International scientific conference UDC Vac Tbilisi, 2022 p164-171
52	The main fifth zone of viticulture is the coastal zone of the Black Sea, sub-zone Samegrelo according to the acidity of the soil.	2022	Sh. Shamatava F. Lortkifanidze	Publishing House, Technical University of Georgia Faculty of Agricultural Sciences and Biosystems Engineering Faculty of Business Technologies Faculty of Mountain Sustainable Development Iter Vit Georgian Viticulture and Winery Scientific Research Center Stu From a series of monographs World viticulture and winemaking history, modernity and prospects for sustainable development International scientific conference ISBN 978-9941-28-946-0 Tbilisi 2022 year pp. 171-176
53	The influence of the acidic reaction of the soil surface on the physico-chemical processes taking place in the soil. Applying increased amounts of lime to acidic soils for the purpose of chemical melioration	2022	D. Gubeladze Sh. Shamatava	Georgian Academy of Agricultural Sciences Collection of Scientific Works Moambe N 2/48 2022. Tbilisi Publishing House "Agro", 61-69 pp. www.gaas.dsi.ge UDC (UAC) 63+338.\$+664}(08) ISBN1512-2743 ISSN 1512-2743,
54	Irrigation Efficiency During Sowing and Vegetation	2022	T. Darsavelidze, T. Gogishvili, M. Meladze, G. Natroshvili T. Gabrielidze	ISBN 978-1-8628-5741-4 DOI 10.5281/zenodo.7338607; «World Scientific Reports» (November 17-18, 2022). Paris, France; 5 გვ.
55	Irrigation regime of Sagarejo Municipality, Kakheti Subzone of Georgian Viticulture Zone I		N. Mebonia, M. Tananashvili,	Proceedings of the 1st International Scientific Conference;

		2022	A. Omanadze	ISSN 2789-1968, online norvegia, Publisher: „EASR”, SciPub.de ISSN 2789-195X;. DOI10.5281/zenodo.7338607
56	Determination of water demand of agricultural crops in the village of Gavrizhi, Gardabani Municipality	2022	M. Kikabidze, L. Baidauri, M. Meladze, D. Baidauri, F.Lortkipanidze, A. Omanadze	ISBN 978-1-8628-5741-4 DOI 10.5281/zenodo.7338607 «World Scientific Reports» (November 17-18, 2022). Paris, France; 11 ოპ.
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85	Determining the Water Requirements of Agricultural Crops for Tamarisi Village of Marneuli Municipality in Kvemo (Lower) Kartli Region	2024	O. Kharaishvili L. Baidauri P. Sichinava N. Mebonia M. Kikabidze N. Sukhiashvili L. Toklikashvili	GTU Ts. Mirtskhulava Institute of Water Management Collection of Scientific Works ISSN 1512-2344
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