

**MINISTRY OF SCIENCE AND HIGHER EDUCATION
OF THE RUSSIAN FEDERATION
RUSSIAN ACADEMY OF SCIENCES
KUBAN SCIENCE FOUNDATION
NORTH CAUCASIAN FEDERAL SCIENTIFIC CENTER OF
HORTICULTURE, VITICULTURE, WINE-MAKING**



**INTERNATIONAL
RESEARCH AND PRACTICE FORUM
«BIOLOGIZATION OF THE INTENSIFICATION PROCESSES
IN HORTICULTURE AND VITICULTURE»,
DEDICATED TO THE 90TH ANNIVERSARY OF THE ESTABLISHMENT
OF THE SCIENTIFIC INSTITUTION**

**21-23 SEPTEMBER 2021
KRASNODAR**

Arrival:

- 20 September – participants of the solemn meeting dedicated to the 90th anniversary of the North Caucasian Federal Scientific Center of Horticulture, Viticulture, Wine-making; participants of the Scientific coordination council of “the North Caucasian Federal Scientific center’s Program of breeding fruit and berry, nut-fruited crops, ornamental flower plants and grape growing for the period to 2030”.
participants of the International tasting competition of wine products “Anticea-2021”
- 21 September – participants of the international research and practice conference “Biologization of the intensification processes in horticulture and viticulture”;

How to get to FSBSI NCF SCHVW – from the railway and bus station "Krasnodar 1" trolleybus No. 15, 31, stop “Rossiyskaya”; tram No. 1 stop "Dekabristov"

INFORMATION SUPPORT:

SCIENTIFIC JOURNAL “VESTNIK OF THE RUSSIAN AGRICULTURAL SCIENCE”

SCIENTIFIC JOURNAL “HORTICULTURE AND VITICULTURE”

SCIENTIFIC JOURNAL “WINE-MAKING AND VITICULTURE”

SCIENTIFIC JOURNAL “PLANT PROTECTION AND QUARANTINE”

AGRO-INDUSTRIAL NEWSPAPER OF THE SOUTH OF RUSSIA

INTERNATIONAL PROGRAM COMMITTEE OF RESEARCH AND PRACTICE FORUM

Egorov Evgeniy Alekseyevich	<i>Academician of the RAS, Dr. Sci. Econ., Professor, director, FSBSI NCFSCHVW, Krasnodar, Russia (Chairman)</i>
Bagirov Vugar Aliyevich	<i>Corr. Member of RAS, Dr. Sci. Biol., Director of Department of coordination of organization activity in the field of agricultural sciences of the Ministry of science and the higher education of the Russian Federation, Moscow, Russia</i>
Kulikov Ivan Mihailovich	<i>Academician of the RAS, Dr. Sci. Econ., Professor, Director, FSBSI FSSTCHN, Moscow, Russia (Vice chairman)</i>
Sedov Evgeniy Nikolaevich	<i>Academician of the RAS, Dr. Sci. Agr., Professor, Head of Laboratory, FSBSI ARRIFCB, Orel, Russia</i>
Dragavtsev Viktor Aleksandrovich	<i>Academician of the RAS, Dr. Sci. Biol., Professor, Chief Research Associate, FSBSI ARI, Saint-Petersburg, Russia</i>
Ryndin Aleksey Vladimirovich	<i>Academician of the RAS, Dr. Sci. Agr., Professor, Director, FSBSI ARRIFSC, Sochi, Russia</i>
Nadykta Vladimir Dmitrievich	<i>Academician of the RAS, Dr. Sci. Tech., Professor, Chief Scientific Consultant, FSBSI ARRIBPP, Krasnodar, Russia</i>
Paola Barba Burgos	<i>PhD, MS Plant Breeding and Genetics, Biotechnology Engineer, Institute of Agricultural Research INIA, Chile, Santiago,</i>
Anisimov Viktor Vladimirovich	<i>Director, UNPO «Kuban Science Foundation»</i>
Dadu Konstantin Yakovlevich	<i>Academician of the RAAS, Dr. Sci. Agr, Executive director of Scientific-practical Institute of perennial crops and processing of agricultural products, Chişinău, Republic of Moldova</i>
Arus Pere	<i>PhD, Researcher in the Genomics & Biotechnology programme, Center for Research in Agricultural Genomics (CRAG), IRTA, UAB Campus – CRAG Building, Barcelona, Spain</i>
Savel'eva Natalia Nikolaevna	<i>Dr. Sci. Biol., Leading Research Associate of Laboratory of gene pool, FSBSI "I.V. Michurin Federal Science Center", Michurinsk, Russia</i>
Rupasova Zhanna Alexandrovna	<i>Corresponding Member of NAS of Belarus, Dr. Sci. Biol., Professor, Head of Laboratory of Chemistry of Plants, Central Botanical Garden of the NAS of Belarus, Minsk, Belarus Republic</i>
Kukharchyk Natalya Valer'evna	<i>Dr. Sci. Agr., Docent, Head of Department of biotechnology, RUP "Institute of Fruit Growing", Samohvalovichi, Belarus</i>

ORGANIZING COMMITTEE OF INTERNATIONAL RESEARCH AND PRACTICE FORUM

- Egorov Evgeniy Alekseyevich, *Academician of the RAS, Director of FSBSI NCF SCHVW* (Chairman) (861) 252-70-74
- Irina Anatolevna, *Associate director of research, FSBSI NCF SCHVW* (co-chairman) – general organization and coordination of the Forum (861) 252-59-72
- Gorlov Sergey Mikhailovich, *First Deputy Director of FSBSI NCF SCHVW* – general administrative issues of the International Research and Practice Forum “Biologization of the intensification processes in horticulture and viticulture” (861) 252-59-61
- Fomenko Taras Grigorievich, *Head of the FSC “Gardening”* – coordination of the work of the horticulture section of the International Research and Practice Conference “Biologization of the intensification processes in horticulture and viticulture” (861) 252-56-76
- Russo Dmitriy Eduardovich, *Head of the FSC “Viticulture and Wine-making”* – coordination of the work of the viticulture and wine-making section of the International Research and Practice Conference “Biologization of the intensification processes in horticulture and viticulture” (861) 252-64-82
- Zaremuk Rimma Shamsudinovna, *Chairman of the Scientific Coordination Council* – organization and coordination of the work of the Coordination Council of “the North Caucasian center’s Program of breeding fruit crops and grapes for the period to 2030”. (861) 257-57-09
- Suprun Ivan Ivanovich, *Head of the FSC “Breeding and Nursery”* – coordination of the work of the coordination council (861) 252-58-69
- Sheludko Olga Nikolaevna, *Head of the FSC “Wine-making”* – organization and coordination of the work of the International tasting competition of wine products “Anticea-2021” (861) 257-57-04

GENERAL RULES OF THE FORUM

21 September

- 10⁰⁰-12³⁰** – Solemn meeting dedicated to the 90th anniversary of the FSBSI “North Caucasian Federal Scientific Center of Horticulture, Viticulture, Wine-making”
- 12⁰⁰-18⁰⁰** – The exhibition of scientific and technical achievements: promising varieties and products of their processing.
- 13⁰⁰-18⁰⁰** – Meeting of the Scientific Coordination Council
“the North Caucasian Federal Scientific center’s Program of breeding fruit and berry, nut-fruited crops, ornamental flower plants and grape growing for the period to 2030” on the topic: “Management of genetic resources and the breeding process of creating garden crops and grapes based on methods of biotechnology, bioinformatics and digital technologies”

22 September

- 9⁰⁰-18⁰⁰** – Plenary and breakout sessions of participants of the International Research and Practice Conference **“Biologization of the intensification processes in horticulture and viticulture”**
The exhibition of scientific and technical achievements: promising varieties and products of their processing;
agrochemicals, plant protection products and growth regulators.
Summing up and awarding the winners of the International tasting competition of wine products “Anticea-2021”

23 September

- 7³⁰-19³⁰** – Departures of participants of the International Research and Practice Conference **“Biologization of the intensification processes in horticulture and viticulture”** along the routes:
– demonstration sites of garden plantings in CJSC "Loris", breeding and nursery center of a scientific institution on the basis of OOO "OPH named after K. A. Timiryazev" (Krasnodar region);
– demonstration sites of grape plantations in the Agro-industrial firm "Yuzhnaya" (Krasnodar region).
- 9³⁰-14³⁰** – Breakout section of young scientist of the International Research and Practice Conference **“Biologization of the intensification processes in horticulture and viticulture”**

***SOLEMN MEETING DEDICATED TO THE 90TH ANNIVERSARY
OF THE FSBSI “NORTH CAUCASIAN FEDERAL SCIENTIFIC
CENTER OF HORTICULTURE, VITICULTURE, WINE-MAKING”***

(21 September 2021)

Egorov Evgeniy Alekseyevich, *Academician of the RAS, Dr. Sci. Econ., Professor, Director of FSBSI NCF SCHVW*. Opening of the solemn meeting, a brief history of the scientific institution.

Bagirov Vugar Aliyevich, *Corr. Member of RAS, Dr. Sci. Biol., Director of Department of coordination of organization activity in the field of agricultural sciences of the Ministry of science and the higher education of the Russian Federation, Moscow*. Welcome speech, awarding.

Korobka Andrey Nikolaevich, *Deputy Head of the Administration (Vice-Governor) of Krasnodar region*. Welcome speech, awarding.

Lachuga Yurii Fedorovich, *Academician of the RAS, Academician-Secretary of the DAS of the RAS*. Welcome speech, awarding.

Kulikov Ivan Mihailovich, *Academician of the RAS, Presidium member of RAS, Director of «Federal Scientific Selection and Technology Center for Horticulture and Nursery»*. Welcome speech, awarding.

Trubilin Alexander Ivanovich, *Deputy Chairman of the Legislative Assembly of the Krasnodar region – Chairman of the committee for the development of the agro-industrial complex and food*. Welcome speech, awarding.

Dereka Fedor Ivanovich, *Minister of Agriculture and Processing Industry of the Krasnodar region*. Welcome speech, awarding.

Pronko Sergey Valentinovich, *First Deputy of Minister of education, science and youth policy of the Krasnodar region*. Welcome speech, awarding.

Pervyshov Evgeniy Alekseevich, *the head of the municipal formation of the city of Krasnodar*. Welcome speech, awarding.

Zhuravlev Alexander Andreevich, *Head of the administration of the Prikubansky inner-city district*. Welcome speech, awarding.

Anisimov Viktor Vladimirovich, *Director of «Kuban Science Foundation»*. Welcome speech, awarding.

Mospanenko Marina Valentinovna, *Chairman of the Krasnodar Regional organization of the Trade Union of workers of the agro-industrial complex*. Welcome speech, awarding.

Congratulations to colleagues from scientific institutions, higher educational institutions, industry associations, horticultural and wine-growing enterprises

***MEETING OF THE SCIENTIFIC COORDINATION COUNCIL
“THE NORTH CAUCASIAN FEDERAL SCIENTIFIC CENTER’S
PROGRAM OF BREEDING FRUIT AND BERRY, NUT-FRUITED
CROPS, ORNAMENTAL FLOWER PLANTS AND GRAPE
GROWING FOR THE PERIOD TO 2030”***

(21 September 2021)

ORGANIZING COMMITTEE

Zaremuk Rimma Shamsudinovna, *Dr. Sci. Agr., Professor, Chairman of the Scientific Coordination Council “The North Caucasian center’s Program of breeding fruit and berry, nut-fruited crops, ornamental flower plants and grape growing for the period to 2030”, Head of Laboratory of variety's study and breeding of stone fruit cultures, FSBSI NCFSCHVW, (Chairman)*

Ulyanovskaya Elena Vladimirovna, *Dr. Sci. Agr., Head of Laboratory of variety study and breeding of garden cultures, FSBSI NCFSCHVW (Co-chairman)*

Suprun Ivan Ivanovich, *Cand. Biol. Sci., Head of the Functional Scientific Center “Breeding and Nursery”, FSBSI NCFSCHVW (Co-chairman)*

Ilitskaya Elena Tarasovna, *Cand. Biol. Sci., Head of Laboratory of Cultivar’s study and Breeding of Grapes, FSBSI NCFSCHVW*

Kuznetsova Anna Pavlovna, *Cand. Biol. Sci., Head of Laboratory of Nursery planting, FSBSI NCFSCHVW*

Tokmakov Sergrey Vyacheslavovich, *Cand. Biol. Sci., Head of Laboratory of Breeding and Biotechnology, FSBSI NCFSCHVW*

Limits of the time for speakers

Time for reports at the meeting	– 10-15 min.
Time for reports on memorable dates of leading breeders	– up to 10 min.
Presentations during the discussion of reports	– up to 3 min.

21 September 2021

Meeting of the Scientific Coordination Council

“The North Caucasian Federal Scientific center’s Program of breeding fruit and berry, nut-fruited crops, ornamental flower plants and grape growing for the period to 2030” on the topic:

“MANAGEMENT OF GENETIC RESOURCES AND THE BREEDING PROCESS OF CREATING GARDEN CROPS AND GRAPES BASED ON METHODS OF BIOTECHNOLOGY, BIOINFORMATICS AND DIGITAL TECHNOLOGIES”

Issues under consideration:

1. The main scientific tasks and expected breakthrough results in the field of genetic resources management, molecular genetics and breeding, reflected in the PFSR of the Russian Federation for the long-term period (2021-2030), approved by the decree of the Governments of the Russian Federation No. 3684 of 31.12.2020.
2. Ensuring the conservation of genetic resources of garden crops and grapes within the framework of the implementation of the Federal State Program for the Development of Genetic Technologies for 2019-2027, approved by Decree of the Government of the Russian Federation No. 479 of April 22, 2019.
3. Molecular breeding in the formation of a new paradigm of the breeding process of creating new varieties of garden crops and grapes.
4. Implementation of indicative parameters of the subprograms: “Development of viticulture, including nursery breeding”, “Development of nursery breeding and horticulture” by the number of popular varieties of garden crops and grapes being created and adjustment of “The North Caucasian Federal Scientific center’s Program of breeding fruit and berry, nut-fruited crops, ornamental flower plants and grape growing for the period to 2030”.
5. Memorable dates of the founders of scientific schools in the breeding of garden crops for the 125th anniversary of the birth of L. M. Sergeev, the 115th anniversary of the birth of M. A. Kolesnikov, the 90th anniversary of the birth of E. K. Kirtbay.
6. Analysis of the implementation of “The North Caucasian Federal Scientific center’s Program of breeding fruit and berry, nut-fruited crops, ornamental flower plants and grape growing for the period to 2030” for 2020

Chairs of the meeting –

*Dr. Sci. Agr., Professor Zaremuk R.Sh., Cand. Biol. Sci. Suprun I.I.,
cab. 305*

- 12⁰⁰-13⁰⁰** Registration of participants of the forum and the meeting of the Scientific Coordination Council
- 12⁰⁰-19⁰⁰** The work of the exhibition of breeding achievements
- 13⁰⁰-13⁰⁵** **Egorov E.A.**, *Academician of the RAS, Dr. Sci. Econ., Professor, FSBSI NCFSCHVW*. Opening of the meeting of the Scientific Coordination Council.
- 13⁰⁵-13²⁰** **Zaremuk R.Sh.**, *Dr. Sci. Agr., Professor, FSBSI NCFSCHVW*. The main tasks and results in the field of conservation and management of genetic resources and breeding within the framework of the Program of Basic Scientific Research for 2021-2030, the Federal State Program for the Development of Genetic Technologies for 2019-2027.
- 13²⁰-13⁴⁰** **Suprun I.I.**, *Cand. Biol. Sci., FSBSI NCFSCHVW*. Molecular breeding in the formation of a new paradigm of the breeding process of garden crops and grapes.
- 13⁴⁰-13⁵⁰** **Ulyanovskaya E.V.**, *Dr. Sci. Agr., FSBSI NCFSCHVW*. The founder of the scientific direction "Introduction, variety study and breeding of seed crops" – Lev Mikhailovich Sergeev (on the 125th anniversary of his birth).
- 13⁵⁰-14⁰⁰** **Dolya Yu.A.**, *Cand. Agr. Sci., FSBSI NCFSCHVW*. The founder of the scientific direction "Introduction, variety study and breeding of stone crops" – Mikhail Alekseevich Kolesnikov (on the 115th anniversary of his birth).
- 14⁰⁰-14¹⁰** **Yakovenko V.V.**, *Cand. Agr. Sci., FSBSI NCFSCHVW*. The founder of the scientific direction "Introduction, variety study and breeding of berry crops" – Elena Kirillovna Kirtbaya (on the 90th anniversary of her birth).
- 14¹⁰-14²⁵** **Eremin G.V.**, *Academician of the RAS, Dr. Sci. Agr., Professor, Krymsk EBS – branch of VIR*. Results of the implementation of the "Program of breeding of fruit, berry, nut-bearing, flower-ornamental crops and grapes" for 2020

- 14²⁵-14⁴⁰** **Likhovskoy V.V.**, *Dr. Sci. Agr., FSBIS ARNRIVW “Magarach” of the RAS, Republic of Crimea*. Autochthonous grape varieties of the Crimea.
- 14⁴⁰-14⁵⁰** **Maistrenko A.N.**, *Cand. Agr. Sci., FSBSI ARRIVW named after Ya.I.Potapenko – branch of FSBSI “FRARC”*. Breeding developments of technical grape varieties of ARRIVW Potapenko – branch of FSBSI “FRARC”.
- 14⁵⁰-15⁰⁰** **Maistrenko L.A.**, *Cand. Agr. Sci., Cand. Agr. Sci., FSBSI ARRIVW named after Ya.I.Potapenko – branch of FSBSI “FRARC”*. Breeding developments of table grape varieties of ARRIVW Potapenko – branch of FSBSI “FRARC”.
- 15⁰⁰-15³⁰** **Refreshment break**
- 15³⁰-15⁴⁵** **Saveleva N.N.**, *Dr. Sci. Biol.*, **Yushkov A.N.**, *Dr. Sci. Agr.*, **Zemisov A.S.**, *Cand. Agr. Sci., FSBSI «I.V. Michurin Federal Scientific Center»*. Frost resistance of hazelnut varieties in the Central Black Earth Region of Russia.
- 15⁴⁵-15⁵⁵** **Ilitskaya E.T.**, *Cand. Biol. Sci., FSBSI NCFSCHVW*. The study of grape biocollections using DNA marker technology.
- 15⁵⁵-16⁰⁵** **Kazakhmedov R.E.**, *Dr. Sci. Biol., DSESVVG – branch of FSBSI NCFSCHVW*. Results of the implementation of the "Program of breeding of fruit, berry, nut-bearing, flower-ornamental crops and grapes" for 2020.
- 16⁰⁵-16¹⁵** **Gorbunov I.V.**, *Cand. Biol. Sci., AZESV&W – branch of FSBSI NCFSCHVW*. Results of the implementation of the "Program of breeding of fruit, berry, nut-bearing, flower-ornamental crops and grapes" for 2020.
- 16¹⁵-16²⁵** **Kulyan R.V.**, *Cand. Agr. Sci., FRC SSC RAS*. Results of the implementation of the "Program of breeding of fruit, berry, nut-bearing, flower-ornamental crops and grapes" for 2020.
- 16²⁵-16³⁵** **Slepchenko N.A.**, *Cand. Biol. Sci., FRC SSC RAS*. Introduction and breeding studies in the FRC SSC RAS.
- 16³⁵-16⁴⁵** **Ermolenko V.G.**, *SESH – branch of FSBSI “NCF SAC”*. Results of the implementation of the "Program of breeding of fruit, berry, nut-bearing, flower-ornamental crops and grapes" for 2020.

16⁴⁵-17⁰⁰ Zaremuk R.Sh. – Summing up, making a decision.

17⁰⁰-18⁰⁰ Tasting of promising varieties of fruit, berry crops, grapes and their processed products; dinner (tasting room)

NOTES_____

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

INTERNATIONAL RESEARCH AND PRACTICE CONFERENCE
**“BIOLOGIZATION OF THE INTENSIFICATION PROCESSES IN
HORTICULTURE AND VITICULTURE”**

(22-23 September 2021)

*The event is held with the financial support
of the Kuban Scientific Foundation*

ORGANIZING COMMITTEE

Egorov Evgeniy Alekseyevich, *Academician of the RAS, Dr. Sci. Econ., Professor, Director, FSBSI NCFSCHVW (Chairman)*

Ilna Irina Anatolevna, *Dr. Sci. Tech., Professor, Associate director of research, FSBSI NCFSCHVW (Deputy chairman)*

Fomenko Taras Grigorievich, *Cand. Agr. Sci., Head of the FSC “Gardening”, FSBSI NCFSCHVW*

Russo Dmitriy Eduardovich, *Cand. Agr. Sci., Head of the FSC “Viticulture and Wine-making”, FSBSI NCFSCHVW*

Sheludko Olga Nikolaevna, *Dr. Tech. Sci., Docent, Head of the FSC “Wine-making”, FSBSI NCFSCH*

Zaporozhets Natalya Mikhailovna, *Cand. Agr. Sci., Scientific Secretary, FSBSI NCFSCHVW*

Suprun Ivan Ivanovich, *Cand. Biol. Sci., Head of the FSC “Breeding and Nursery”, FSBSI NCFSCHVW*

Yurchenko Eugeniya Georgievna, *Cand. Agr. Sci., Head of the SC “Protection and biotechnology of plants”, FSBSI NCFSCHVW*

Popova Valentina Petrovna, *Dr. Sci. Agr., Head of the SC “Agricultural chemistry and soil sciences”, FSBSI NCFSCHVW*

Limits of the time for speakers

Time for reports at the plenary meeting	– up to 15 min.
Time for reports on breakout sessions	– up to 10 min.
Presentations during the discussion of reports	– up to 3 min.

22 September 2021

**International research and practice conference
“BIOLOGIZATION OF THE INTENSIFICATION PROCESSES IN
HORTICULTURE AND VITICULTURE”**

9⁰⁰-10⁰⁰ – Registration of Forum and conference participants

9⁰⁰-10⁰⁰ – The exhibition of scientific and technical achievements: promising varieties and products of their processing; agrochemicals, plant protection products and growth regulators.

10⁰⁰-10¹⁵ – Opening of the International research and practice conference “Biologization of the intensification processes in horticulture and viticulture”

Director of FSBSI NCF SCHVW, *Academician of the RAS, Dr. Sci. Econ., Professor, Egorov E.A.*

Director of Department of coordination of organization activity in the field of agricultural sciences of the Ministry of science and the higher education of the Russian Federation, *Corr. Member of RAS, Dr. Sci. Biol., Professor Bagirov V.A.*

Academician-Secretary of the DAS of the RAS., *Academician of the RAS, Dr. Sci. Tech., Professor Lachuga Yu.F.*

Plenary meeting

Chairman: Academician of the RAS Egorov E.A., cab. 312

10¹⁵-10³⁰ **Egorov E.A.**, *Academician of the RAS, Dr. Sci. Econ., Professor, FSBSI NCF SCHVW.*

Biologization of the intensification processes in horticulture and viticulture.

10³⁰-10⁴⁵ **Khlestkina E.K.**, *Professor of the RAS, Dr. Sci. Biol., FRC N.I. Vavilov All-Russian Institute of Plant Genetic Resources (VIR)*

Genetic technologies for horticulture and viticulture.

10⁴⁵-11⁰⁰ **Yurchenko E.G.**, *Cand. Agr. Sci., FSBSI NCF SCHVW.*

Biotechnologies in the protection of perennial crops from pests and diseases.

- 11⁰⁰-11¹⁵** **Dolzhenko V.I.**, *Academician of the RAS, Dr. Sci. Biol., Professor, Professor, FSBSI ARIPP.*
 Fundamental and applied aspects of the protection of perennial plantings from harmful organisms.
- 11¹⁵-11³⁰** **Sundyreva M.A.**, *Cand. Agr. Sci., FSBSI NCF SCHVW.*
 Management of physiological and biochemical processes for the purpose of immunization of grape plants.
- 11³⁰-11⁴⁵** **Dolgov S.V.**, *Dr. Sci. Biol., FSBSI IBC RAS.*
 Achievements of bioengineering in the breeding of fruit and berry crops in Russia and the world.
- 11⁴⁵-12⁰⁰** **Sheludko O.N.**, *Dr. Tech. Sci., Docent, FSBSI NCF SCHVW.*
 Biotechnological processes of regulating the quality and safety of wine products.
- 12⁰⁰-12¹⁵** **Dadu K.Ya.**, *Dr. Sci. Agr., Scientific-practical Institute of perennial crops and processing of agricultural products, Republic of Moldova.*
 Development of intensive horticulture, viticulture, winemaking and food technologies for the production of new types of products in the Republic of Moldova.
- 12¹⁵-12⁴⁰** **Awarding** of the winners of the International Wine Tasting Competition "Anticea–2021".
- 12⁴⁰-13⁰⁰** **Refreshment break**

I. Breakout session
of international research and practice conference
“BIOLOGIZATION OF THE INTENSIFICATION PROCESSES IN
HORTICULTURE”

Chairs of the meeting –

Cand. Agr. Sci. Fomenko T.G., Cand. Biol. Sci. Suprun I.I., cab. 312

- 13⁰⁰-13¹⁰** **Suprun I.I.** *Cand. Biol. Sci., FSBSI NCF SCHVW.*
 Biotechnologies in the organization of the processes of improvement and reproduction of horticultural crops and grapes
- 13¹⁰-13²⁰** **Upadyshev M.T.**, *Corr. Member. of RAS, Dr. Sci. Agr, FSBSI FSC of Horticulture.*
 Modern methods of recovery from viruses of planting material of fruit and berry crops.

- 13²⁰-13³⁰** **Kovalenko N.N.**, *Dr. Biol. Sci., Krymsk EBS – branch of VIR.*
Adjustment of culture media to optimize *in vitro* rhizogenesis of domestic plums of various origin.
- 13³⁰-13⁴⁰** **Grigorieva L.V.**, *Dr. Sci. Agr., Professor, FSBEI HE “Michurinsk State Agrarian University”.*
Changes in the hydrothermal regime in the Central Black Earth Region and the reaction of cultivated plants.
- 13⁴⁰-13⁵⁰** **Anatov D.M.**, *Cand. Biol. Sci., Mountain Botanical Garden DFRC RAS, Dagestan.*
Phenotypic diversity of apricot cultivars derived from of Shalakh variety.
- 13⁵⁰-14⁰⁰** **Fomenko T.G.**, *Cand. Sci. Agr., FSBSI NCF SCHVW.*
Biologization of methods of soil fertility reproduction and nutrition optimization in plantings of horticultural crops and grapes.
- 14⁰⁰-14⁰⁵** **Kozlov I.D.**, *OOO «UGPOLIV KOROLEV AGRO».*
Automation of drip irrigation and fertigation of fruit plantations.
- 14⁰⁵-14¹⁰** **Doroshenko T.N.**, *Dr. Sci. Agr., Professor, FSBEI HE “Kuban SAU”.*
Features of the formation of an economic harvest in apple plants when using foliar nutrition in organic plantations in the south of Russia.
- 14¹⁰-14²⁰** **Rogozhina E.V.**, *Cand. Biol. Sci., FSBIS FRC SSC RAS.*
Features of the microbial community of agrogenically altered brown forest acidic soils in the humid subtropics of Russia.
- 14²⁰-14³⁰** **Podgornaya M.E.** *Cand. Biol. Sci., FSBSI NCF SCHVW.*
Features of the formation of entomocomplexes of apple tree plantations in the southern region of Russia.
- 14³⁰-14³⁵** **Korostilev M.N.**, *company "Syngenta".*
LIRUM, SK and PROCLAIM FIT, VDG – new products of the company "Syngenta" for the protection of gardens.
- 14³⁵-14⁴⁵** **Kashirskaya N.Y.**, *Dr. Sci. Agr., FSBSI “FSC named after I.V. Michurin”.*
Biological effectiveness of drugs in the fight against the codling moth on immune apple varieties.
- 14⁴⁵-14⁵⁰** **Davletshin F.**, *OOO «RPE «Biosphere».*
Biological products Biosphere for modern agriculture.

- 14⁵⁰-15⁰⁰** **Haustov E.I.**, *Scientific-practical Institute of perennial crops and processing of agricultural products, Republic of Moldova.*
 Blackening of wood in the Republic of Moldova.
- 15⁰⁰-15³⁰** **Refreshment break**
- 15³⁰-15³⁵** **Vakulenko I.N.**, Preparations made by the company "Korteva" for the protection of perennial fruit crops from diseases and pests.
- 15³⁵-15⁴⁵** **Yakuba G.V.**, *Cand. Biol. Sci., FSBSI NCF SCHVW.*
 Features of the formation of mycopathocomplexes of the ground part of the apple tree under conditions of increased abiotic and anthropogenic impacts.
- 15⁴⁵-15⁵⁰** **Bubenok D.V.**, AO «Shchelkovo». Preparations of the Shchelkovo company in the protection of perennial fruit crops from diseases and pests.
- 15⁵⁰-16⁰⁰** **Maslenko L.V.**, *Dr. Sci. Biol., FSBSI FSC ARSRIOC ФГБНУ ФНЦ БИИИМК.* Testing of laboratory samples of microbiological preparations based on promising producer strains for the control of apple scab.
- 16⁰⁰-16⁰⁵** **Shishiko S.N.**, *ООО «Sober».* The drug 30 in the system of protection of seed crops from pests..
- 16⁰⁵-16¹⁵** **Balykina E.B.**, *Dr. Sci. Biol., Ivanova O.V.*, *Cand. Biol. Sci., The Nikitsky Botanical Gardens - National Scientific Center of the RAS, Yalta.* Susceptibility of collectible pear varieties to the scab pathogen *Venturia pirina* Aderh.
- 16¹⁵-16²⁰** **Karyaga A.M.**, *ООО «YUPL».*
 Preparations of the company YUPL in the protection of perennial fruit crops from diseases and pests.
- 16²⁰-16³⁰** **Mager M.G.**, *Cand. Agr. Sci., SAU of Republic of Moldova.*
 Fungicide Teldor 500 SC in the fight against fruit rot in the sweet cherry plantations of Moldova.
- 16³⁰-16⁴⁰** **Burmenko Yu.V.** *Cand. Biol. Sci., FSBSI FSC of Horticulture.*
 Assortment of FSC Horticulture: Achievements and Prospects.
- 16⁴⁰-16⁵⁰** **Prichko T.G.**, *Dr. Sci. Agr., professor, FSBSI NCF SCHVW.*
 Biotechnology-based ways to reduce losses during apple storage.
- 16⁵⁰-17⁰⁰** **Gorlov S.M.**, *Cand. Tech. Sci., Docent, FSBSI NCF SCHVW.*
 Biotechnology in the storage of vegetables and fruits.
- 17⁰⁰-17¹⁰** **Salina E.S.**, *Cand. Agr. Sci., FSBSI ARRIFCB.*
 Influence of the variety on the quality of organic black currant juices.

- 17²⁰-17³⁰** **Popel S.S.,** *Dr. Sci. Tech., Scientific-practical Institute of perennial crops and processing of agricultural products, Republic of Moldova*
Influence of the variety on the quality of organic black currant juices.
- 17³⁰-17³⁵** **Kardovskaya V.A.,** *OOO «GK AgroPlus».*
Organic protection of perennial fruit crops.
- 17³⁵-17⁴⁵** **Shamaeva I.Z.,** *Cand. Agr. Sci., Akhmatova Z.P., Cand. Agr. Sci., Docent, NCSRIM&FH, Kabardino-Balkarian Republic.*
Chemical composition and taste of apricot fruits of domestic breeding varieties in the foothill zone of the Kabardino-Balkarian Republic.
- 17⁴⁵-17⁵⁰** **Mikhulya A.I.,** *OOO «Biotechagro».*
Biotechagro's products for protection perennial fruit crops from diseases and pests.
- 17⁵⁰-18⁰⁰** **Summarizing and conference decision making**
- 18⁰⁰-20⁰⁰** Tasting of processed products and dinner

II. Breakout session
of international research and practice conference
“BIOLOGIZATION OF THE INTENSIFICATION PROCESSES IN
VITICULTURE AND WINE-MAKING”

Chairs of the meeting –

Cand. Agr. Sci. Russo D.E., Dr. Sci. Tech., Docent Sheludko O.N., cab. 305

- 13⁰⁰-13¹⁰** **Russo D.E.,** *Cand. Agr. Sci., FSBSI NCF SCHVW.*
Biotechnological methods for managing the production processes of grape plants.
- 13¹⁰-13²⁰** **Likhovskoy V.V.,** *Dr. Sci. Agr., FSBIS ARNRIVW “Magarach” of the RAS, Republic of Crimea.* Methodology for improving the genetic diversity and assortment of grapes.
- 13¹⁰-13²⁰** **Makarkina M.V.,** *FSBSI NCF SCHVW.*
Potential of genetic resistance of new table grape hybrids to fungal pathogens.
- 13²⁰-13³⁰** **Troshin L.P.,** *Dr. Sci. Biol., FSBEI HE “Kuban SAU”.*
Kuban grape assortment: promising and standard.

- 13³⁰-13⁴⁰** **Klimenko V.P.**, *Dr. Sci. Agr., Docent, FSBIS ARNRIVW “Magarach” of the RAS, Republic of Crimea.*
 Polyploidy in plant tissues *in vitro* of grape somaclones.
- 13⁴⁰-13⁵⁰** **Kazakhmedov R.E.**, *Dr. Sci. Biol., DSESVVG – branch of FSBSI NCFSCHVW.*
 Biochemical characteristics of roots and quality of own-rooted planting material of grape varieties tolerant to phylloxera when using biologically active substances and hormones.
- 13⁵⁰-14⁰⁰** **Radchevsky P.P.**, *Cand. Agr. Sci., FSBEI HE “Kuban SAU”.*
 Increasing the regenerative capacity of grape cuttings, the yield and quality of seedlings, through the use of physiologically active compounds of a new generation.
- 14⁰⁰-14¹⁰** **Batukaev A.A.**, *Dr. Sci. Agr., ChSU, ChSRIAC.*
 Scientific and applied aspects of the development of viticulture in the Chechen Republic.
- 14¹⁰-14²⁰** **Kononenko S.V.**, *AO of firm «Avgust».*
 The products of company “Avgust” for protection perennial fruit crops from diseases and pests.
- 14²⁰-14²⁵** **Kostenko V.V.**, *OOO «Summit Agro».* The system of disorientation of male lepidoptera pests in gardens from the company SumiAgro.
- 14²⁵-14³⁵** **Vinogradova S.V.**, *Cand. Biol. Sci., FRC Biotechnology RAS.* Application of high-performance sequencing to study the species composition of grape phytopathogens.
- 14³⁵-14⁴⁰** **Borisova I.P.**, *«OOO NPC Farmbiomed».*
 Biological protection of fruit crops and grapes from viral and bacterial diseases.
- 14⁴⁰-14⁵⁰** **Galkina E.S.**, *Cand. Agr. Sci., FSBIS ARNRIVW “Magarach” of the RAS, Republic of Crimea.*
 Fungicides of biological and chemical origin for the control of grape *Alternaria*.
- 14⁵⁰-15⁰⁰** **Bubenok D.V.**, *AO “Shchelkovo Agrochem”.*
 Preparations of the AO “Shchelkovo Agrochem” company in the protection of perennial fruit crops from diseases and pests.
- 15⁰⁰-15³⁰** **Refreshment break**
- 15³⁰-15⁴⁰** **Ryabchun I.O.**, *Cand. Agr. Sci., FSBSI ARRIVW named after Ya.I.Potapenko – branch of FSBSI “FRARC”.*
 The dynamics of the development of harmful insects on the mother liquor of basic grape plants in the Rostov region.

- 15⁴⁰-15⁵⁰** **Dolzenko T.V.,** *Dr. Sci. Biol., FSBEI HE SPbSAU.*
Biorational insectoacaricides based on avermectins to protect grapes.
- 15⁵⁰-16⁰⁰** **Kungurtseva O.V.,** *Cand. Biol. Sci., FSBSI ARPPI.*
New Fungicides for Protecting Vines Infected with Downy Mildew
- 16⁰⁰-16⁰⁵** **Borisova I.P.,** *OOO "Farmbiomed".*
Preparations produced by OOO "Farmbiomed" for the protection of grapes from harmful organisms.
- 16⁰⁵-16¹⁵** **Aliskerov A.R.,** *CECCA.*
The use of isotope mass spectrometry in the study of wine products.
- 16¹⁵-16²⁰** **Orlov A.V.,** *OOO "BASF".*
BASF products for protection perennial fruit crops from diseases and pests.
- 16²⁰-16³⁰** **Kolesnov A. Yu.,** *Dr. Sci. Tech., RUDN.*
The national standard of the Russian Federation GOST R 59570-2021 in the development of scientific and regulatory support for applied problems in the study of the quality of wine products.
- 16³⁰-16³⁵** **Vlasenko A.,** *OOO «Bayer».* The preparations of the Bayer company in the protection of perennial fruit crops from diseases and pests.
- 16³⁵-16⁴⁵** **Fedosov D.U.,** *Cand. Phys. Sci., Kurchatov Genomic Center.*
Program for genetic research of autochthonous grape varieties of the Russian Federation. First results and prospects.
- 16⁴⁵-16⁵⁵** **Murzina M.I.,** *FSBSI ARRIVW named after Ya.I.Potapenko – branch of FSBSI "FRARC".* Roseate cicada.
- 16⁵⁵-17⁰⁰** **Kazanok T.S.,** *Cand. Agr. Sci., OOO «GK AgroPlus».*
Organic protection of vine plantations.
- 17⁰⁰-17¹⁰** **Rebrov A.N.,** *Cand. Biol. Sci., FSBSI ARRIVW named after Ya.I.Potapenko – branch of FSBSI "FRARC".*
The influence of the mineral composition of the nutrient medium on the morphogenesis of grape plants in in vitro culture.
- 17¹⁰ -18⁰⁰** **Summarizing and conference decision making**
- 18⁰⁰-20⁰⁰** Tasting of processed products and dinner

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Poster reports

1. **Babakina M.V., Pershakova T.V., Dr. Sci. Tech., Samoylenko M.V., KRIAPSP – branch of FSBSI NCFSCHVW.** Investigation of the biotechnological properties of *Zygosaccharomyces kombuchaensis* and *Gluconacetobacter xylinus* as promising microorganisms for the production of functional drinks.
2. **Bobkova V.V., FSBSI FSC “Horticulture”, Anokhina T.O., G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms of RAS, Bjadovskiy I.A., Cand. Agr. Sci., Konovalov S.N., Cand. Biol. Sci., FSBSI FSC “Horticulture”.** Effect of rhizosphere microorganisms on the adaptation of regenerated plants of apple clonal rootstocks to *ex vitro* conditions.
3. **Bobkova V.V., Konovalov S.N., Cand. Biol. Sci., Upadyshev M.T., Corr. member of RAS, Dr. Sci. Agr., FSBSI FSC “Horticulture”.** Phylogenetic diversity of the endophytic bacterial component of the microbiome of apple clonal rootstocks during *in vitro* reproduction and cultivation under various agroecological conditions.
4. **Vasyukova A.T., Dr. Sci. Tech., Alekseev A.E., Moshkin A.V., Bondarenko Yu., Tytar V., Docent, MSUTM named after K.G. Razumovsky.** Developing Safe Foods as a Competitive Mechanism.
5. **Grishechkina L.D., Dr. Sci. Agr., FSBSI ARPPI, Podgornaya M.E., Cand. Biol. Sci., FSBSI NCFSCHVW, Dolzhenko V.I., Academician of the RAS, Dr. Sci. Biol., Professor, FSBSI ARPPI.** Difenconazole-based fungicides for orchard protection.
6. **Dragavtseva I.A. Dr. Sci. Agr., Professor, Kuznetsova A.P., Cand. Biol. Sci., FSBSI NCFSCHVW, Savin I.Yu., Corr. member of RAS, FRC V.V. Dokuchaev Soil Science Institute, Klyukina A.V., FSBSI NCFSCHVW.** The study of multivariate systems to the changing conditions of environment in the Krasnodar region with the use of digital technologies.
7. **Zaremuk R.Sh., Dr. Sci. Agr., Dolya Yu.A., Cand. Agr. Sci., Kopnina T.A., Cand. Agr. Sci., FSBSI NCFSCHVW.** Realization of sweet cherry varieties productivity in stressful conditions in the south of Russia.
8. **Zelenskaya O.M., Cand. Biol. Sci., Orlov V.N., Cand. Biol. Sci., FSBSI “NCG named after P.P. Lukyanenko”.** The use of disorientation of the plum moth in the conditions of chemical protection of the orchard.

9. **Ivanenko E.N.**, *Cand. Agr. Sci.*, **Menshutina T.V.**, *Cand. Agr. Sci.*, *FSBSI "CAFSC RAS"*. Productive and adaptive potentials of Renet Simirenko variety on rootstocks with different growth rates in arid conditions.
10. **Kiseleva G.K.**, *Cand. Biol. Sci.*, *Docent*, **Nenko N.I.**, *Dr. Sci. Agr.*, *Professor*, **Ilina I.A.**, *Dr. Sci. Tech.*, *Professor*, **Sokolova V.V.**, *Cand. Agr. Sci.*, **Zaporozhets N.M.**, *Cand. Agr. Sci.*, *FSBSI NCF SCHVW*. Formation of adaptive responses of grapes to the action of abiotic stressors of the winter period.
11. **Krasina I.B.**, *Dr. Sci. Tech.*, **Kurakina A.N.**, *Cand. Tech. Sci.*, **Viktorova E.P.**, *Dr. Sci. Tech.*, *Professor*, **Strelkova A.K.**, *FSBEI HE KubSTU*. The effect of dietary fibers on the viscoelastic properties of the gluten-free cookie dough.
12. **Kremneva O.Yu.**, *Cand. Biol. Sci.*, **Nekoval S.N.**, *Cand. Biol. Sci.*, **Pachkin A.A.**, *Cand. Biol. Sci.*, **Zakharchenko A.V.**, **Gasiyan K.E.**, *FSBSI FSCBPP*. Influence of a biological fungicide on the development and spreading of *Alternaria alternata* on vegetable crops.
13. **Lapshin V.I.**, *Cand. Biol. Sci.*, **Yakovenko V.V.**, *Cand. Agr. Sci.*, *FSBSI NCF SCHVW*, **Shcheglov S.N.**, *Dr. Sci. Biol.*, *FSBEI HE «KubSTU»*. Genotypic assessment of productivity and quality of berries of strawberry varieties.
14. **Lisovaya E.V.**, *Cand. Tech. Sci.*, **Viktorova E.P.**, *Dr. Sci. Tech.*, *Professor*, **Zhane M.P.**, **Vorobyova O.V.**, **Velikanova E.V.**, *KRIAPSP – branch of FSBSI NCF SCHVW*. Research of the chemical composition peculiarities of food additives – vegetable lecithins for the development of methods for assessing their quality.
15. **Lyzhin A.S.**, *Cand. Agr. Sci.*, **Saveleva N.N.**, *Dr. Sci. Agr.*, *FSBSI "FSC named after I.V. Michurin"*. Identification of QTL FBF7 fire blight resistance in apple varieties germplasm.
16. **Lyzhin A.S.**, *Cand. Agr. Sci.*, **Luk'yanchuk I.V.**, *Cand. Agr. Sci.*, *FSBSI "FSC named after I.V. Michurin"*. Assessment of strawberry varieties by anthracnose resistance gene.
17. **Mozhar N.V.**, *Cand. Agr. Sci.*, *FSBSI NCF SCHVW*. Phenotypic assessment of pear varieties in mutual pollination.
18. **Nenko N.I.**, *Dr. Sci. Agr.*, *Professor*, **Kiseleva G.K.**, *Cand. Biol. Sci.*, *Docent*, **Ulyanovskaya E.V.**, *Dr. Sci. Agr.*, **Karavaeva A.V.**, **Shalyakho T.B.**, *FSBSI NCF SCHVW*. Adaptive resistance of apple trees in the unstable climate of southern Russia.

19. **Orlov V.N.**, *Cand. Biol. Sci., FSBSI “NCG named after P.P. Lukyanenko”*. Features of the formation of click beetle complexes in perennial plantings of the Western Caucasus.
20. **Orlova A., Gribkova V., Lebedeva N., Slavyanskiy A., Nikolaeva N.**, *MSUTM named after K.G. Razumovsky*. Development of technology for powdered soy milk with the addition of coconut powder.
21. **Prichko T.G.**, *Dr. Sci. Agr., Professor, FSBSI NCFSCHVW*, **Mager V.M.**, *GC “Priority”*, **Oplachko R.A.**, *Cand. Agr. Sci., FSBSI NCFSCHVW*. Determination of the effectiveness of microbiological preparations and bioavailable nutrients while growing a vegetative apple root stock.
22. **Sergeeva N.N.**, *Cand. Agr. Sci.*, **Yaroshenko O.V.**, *Cand. Agr. Sci., FSBSI NCFSCHVW*. The application of biomodified fertilizers as a way to increase the effective fertility of orchard soils.
23. **Selivanova M.V., Aysanov T.S., Romanenko E.S., Mironova E.A., Esaulko N.A.**, *FSBEI HE “Stavropol SAU”*. Using of immunomodulating substances in optimizing cucumber nutrition in protected soil conditions.
24. **Sidorova T.N.**, *branch of Shemyakin-Ovchinnikov Institute of Bioorganic chemistry of the RAS*. Bioengineering of stone crops for resistance to plum virus pox disease: achievements and problems.
25. **Sobol I.V.**, *Cand. Tech. Sci.*, **Rodionova L.Ya.**, *Dr. Sci. Tech.*, **Donchenko L.V.**, *Dr. Sci. Tech.*, **Stepovoy A.V.**, *Cand. Tech. Sci., FSBEI HE KubSAU*. Changes in biologically active substances of stone fruits under the influence of low temperatures.
26. **Ulyanovskaya E.V.**, *Dr. Sci. Agr., FSBSI NCFSCHVW*, **Stcheglov S.N.**, *Dr. Sci. Biol., FSBEI HE KubSU*, **Belenko E.A., Balapanov I.M.**, *FSBSI NCFSCHVW*. Mobilization of genetic diversity of the genus *Malus* on the basis of information technologies for the breeding of varieties with complex resistance to fungal pathogens.
27. **Khashpakyants B.O., Krasina I.B.**, *Dr. Sci. Tech.*, **Filippova E.V.**, *Cand. Tech. Sci., FSBEI HE KubSTU*. Coffee sludge as a new food ingredient.
28. **Bahmetov R.N.**, *FSBSI ARRIVW named after Ya.I. Potapenko – branch of FSBSI “FRARC”*. Comparative analysis of the quality of distillates produced from varietal wine in bulk Kristall and yeast sediments.

29. **Egorov E.A.**, *Academician of the RAS, Dr. Sci. Econ., Professor, Shadrina Zh.A.*, *Dr. Sci. Econ., Docent, Kochyan G.A.*, *Cand. Econ. Sci., FSBSI NCF SCHVW*. Efficiency of biologization of intensification processes in industrial fruit growing.
30. **Petrov V.S.**, *Dr. Sci. Agr.*, **Russo D.E.**, *Cand. Agr. Sci.*, **Krasilnikov A.A.**, *Cand. Agr. Sci.*, **Marmorshtein A.A.**, *FSBSI NCF SCHVW*. The reaction norm of Augustine and Moldova grape varieties in the agroecological conditions of the moderate continental climate of the south of Russia.
31. **Aleynikova G.Yu.**, *Cand. Agr. Sci.*, **Seget O.L.**, *Cand. Agr. Sci.*, *FSBSI NCF SCHVW*. Realization of biological productivity of grape varieties in conditions of the south of Russia under influence of shoot load.
32. **Ryndin A.V.**, *Academician of the RAS, Dr. Sci. Agr., Professor, Slepchenko N.A.*, *Cand. Biol. Sci.*, **Kulyan R.V.**, *Cand. Agr. Sci.*, *FSBIS FRC SSC RAS*. Introduction and selection studies at the Federal Research Centre the Subtropical Scientific Centre of the Russian Academy of Sciences.
33. **Dubchak M.**, **Sultanova O.**, **Bondarchuk V.V.**, *Cand. Agr. Sci., Scientific-practical Institute of perennial crops and processing of agricultural products, Republic of Moldova*. Propagation of phytosanitary clones by *in vitro* culture.
34. **Grishechkina L.D.**, *Dr. Sci. Agr.*, *FSBSI ARPPI*, **Podgornaya M.E.**, *Cand. Biol. Sci.*, *FSBSI NCF SCHVW*, **Dolzhenko V.I.**, *Academician of the RAS, Dr. Sci. Biol., Professor, FSBSI ARPPI*. Difenoconazole-based fungicides for orchard protection.
35. **Yakuba G.V.**, *Cand. Biol. Sci.*, **Mishchenko I.G.**, **Yakuba Ю.Ф.**, *Dr. Sci. Chem., Docent, FSBSI NCF SCHVW*. Possibility of biologizing the apple and plum trees protection technology based on the use of inorganic copper compounds.
36. **Podgornaya M.E.**, *Cand. Biol. Sci.*, **Prakh S.V.**, *Cand. Biol. Sci.*, **Vasilchenko A.B.**, **Didenko N.A.**, *FSBSI NCF SCHVW*. Biorational method for controlling the abundance of *Cydia pomonella* L. in apple agroecosystems of the Krasnodar region.
37. **Prichko T.G.**, *Dr. Sci. Agr., Professor, FSBSI NCF SCHVW*, **Sivoplyasov V.I.**, *AF «Krasnyi sad»*. The influence of the rootstock on the formation of quality indicators of sweet cherry variety Alexandria.

- NOTES**

23 September 2021

**III. Breakout session of young scientist
of International research and practice conference
“BIOLOGIZATION OF THE INTENSIFICATION PROCESSES IN
HORTICULTURE AND VITICULTURE”**

Chairman – *Cand. Biol. Sci. Nasonov A.I., cab. 305*

- 9³⁰-9⁴⁰** **Astapchuk I. L.**, *Cand. Biol. Sci., FSBSI NCFSCHVW*.
Antifungal activity of microbiological drugs in relation to
pathogens rot of roots and fruits of apple trees from the genus
Fusarium Link
- 9⁴⁰-9⁵⁰** **Astakhov M. M.**, *FSBSI FSCBPP*. Effect of citric acid on the
availability mineral components of the nutrient medium and the
physiological activity of *Bacillus subtilis* BZR 336g.
- 9⁵⁰-10⁰⁰** **Antonenko M.V.**, *Cand. Tech. Sci., FSBSI NCFSCHVW*.
Research of mechanisms of transformation and removal of
antibiotics from wine by sorbents of different nature
- 10⁰⁰-10¹⁰** **Artyukhova L.V.**, *FSBSI NCFSCHVW*.
Analysis of promising walnut forms for resistance to return frost.
- 10¹⁰-10²⁰** **Belkina D.D.**, *FSBSI NCFSCHVW*. To study the diversity of
bacterial endophytes of grapes in the Western Pre-Caucasus.
- 10²⁰-10³⁰** **Burovinskaya M.V.**, *FSBSI NCFSCHVW*. Characteristics of the
antagonistic activity of microscopic fungi against the pathogenic
strain *Alternaria* sp. *in vitro*.
- 10³⁰-10⁴⁰** **Gyrnets E. Yu.**, *FSBSI FSCBPP*. Selection of bacterial strains
from the BRC “States collections of entomoacariphages and
microorganisms” according to the criterion of entomopathogenic
activity
- 10⁴⁰-10⁵⁰** **Didenko N.A.**, *FSBSI NCFSCHVW*. Influence of abiotic factors
on the population dynamics and developmental biology of the
pear copperhead *Psylla pyri*.
- 10⁵⁰-11⁰⁰** **Droficheva N. V.**, *Cand. Tech. Sci., FSBSI NCFSCHVW*.
Optimization of biotechnological processes in the production of
apple juice.
- 11⁰⁰-11¹⁰** **Zakharchenko A.V.**, *FSBSI FSCBPP*. Genetic collection of
mutant tomato forms as a source of economically valuable traits
for breeding

- 11¹⁰-11²⁰** **Karpushina M.V.**, *Cand. Agr. Sci., FSBSI NCFSCHVW*. Efficiency of using biostimulants Agrinos 1 and Agrinos 2 in adaptation of microplants of garden strawberry to *ex vitro* conditions.
- 11²⁰-11³⁰** **Makarova I.N.**, *FSBSI FSCBPP*. Biological and economic effectiveness of a fungicide based on a complex of polyoxins against fungal diseases
- 11³⁰-12⁰⁰** **Refreshment break**
- 12⁰⁰-12¹⁰** **Milovanov A.V.**, *Cand. Agr. Sci., FSBEI HE “Kuban State Agrarian University named after I. T. Trubilin”*. Study of the VvMybA1 gene allele state of some colored and uncolored grapevine varieties
- 12¹⁰-12²⁰** **Mishko A.E.**, *Cand. Biol. Sci., FSBSI NCFSCHVW*. Effects of drought on the physiological parameters of fruit crops leaves.
- 12²⁰-12³⁰** **Orlov O.V.**, *FSBSI NCFSCHVW*. Digital methods for the search and analysis of morphological variability on the example of a cluster leaflet.
- 12³⁰-12⁴⁰** **Pavlova M.D.**, *FSBSI FSCBPP*. The growth rate and antagonistic activity of natural *Trichoderma* strains of the bioresource collection of the FSCBPP.
- 12⁴⁰-12⁵⁰** **Savchuk N.V.**, *FSBSI NCFSCHVW*. Screening of antagonist strains for antifungal activity against pathogens of fusarium desiccation of grapes.
- 12⁵⁰-13⁰⁰** **Sadovaya A.E.**, *FSBSI FSCBPP*. The effectiveness of biological and chemical systems for protecting potatoes from harmful organisms in the central zone of the Krasnodar region.
- 13⁰⁰-13¹⁰** **Stepanov I.V.**, *FSBSI NCFSCHVW*. The using of gene-oriented SCoT markers in genotyping of the Apple genus (*Malus* Mill.).
- 13¹⁰-13²⁰** **Tomashevich N.S.**, *Cand. Agr. Sci., FSBSI FSCBPP*. Soil health is the basis of organic agriculture.
- 13²⁰-13³⁰** **Fedoryanskaya I.S.**, *FSBSI FSCBPP*. Evaluation of the effectiveness of a copper-containing fungicide against the pathogen of late blight of potatoes.
- 13³⁰-13⁴⁰** **Khomyak A.I.**, *FSBSI FSCBPP*. New strains of bacteria of the genus *Bacillus* to protect vegetable crops from the southern gall nematode *Meloidogyne incognita* Kof.

23 September 2021

Departures of participants along the routes:

8⁰⁰-16⁰⁰

- group of participants of the “**Biologization of the intensification processes in horticulture**” section and Scientific Coordination Council “the North Caucasian Federal Scientific center’s Program of breeding fruit and berry, nut-fruited crops, ornamental flower plants and grape growing for the period to 2030”

Responsible person – Fomenko Taras Grigorievich

The aim of the visit: Promising assortments and technologies in horticulture and nursery (garden design; technology of growing planting material).

Demonstration experiments:

Promising varieties, rootstocks, planting schemes and formations; technological methods of growing planting material of the highest quality categories.

Visited farms: CJSC "Loris", breeding and nursery center of a scientific institution on the basis of OOO "OPH named after K. A. Timiryazev" (Krasnodar region).

6³⁰-21⁰⁰

- group of participants of the “**Biologization of the intensification processes in viticulture and wine-making**” section.

Responsible person – Russo Dmitriy Eduardovich

The aim of the visit: Promising assortments and technologies for subsystems of bio-earth farming and biosecurity of grape plants from harmful organisms, familiarization with grape varieties for high-quality winemaking, new brands of table and sparkling wines of Kuban, winemaking technology.

Demonstration experiments:

Biologized methods of soil management on vineyards, types of microorganisms; biologized methods of protecting grape plantations from pests and diseases; management of the species composition of ampelocenosis microorganisms; technologies for the production of grape planting material; technical grape varieties for high-quality winemaking and new brands of Kuban wines.

Visited farms: Agro-industrial firm "Yuzhnaya" (Krasnodar region).

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FSBSI «North Caucasian Federal Scientific Center
of Horticulture, Viticulture, Wine-making»



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Krasnodar, 2021