



The National Academy of Sciences of Belarus



RUE "Research and Practical Center of National Academy of Sciences of Belarus for Potato, Fruit and Vegetable Growing"



RUE "The Institute for Fruit Growing"

*Program
of the International
Scientific Conference*

**PROSPECTS FOR THE DEVELOPMENT
OF MODERN SOFT FRUIT GROWING
IN THE CHANGED CLIMATIC CONDITIONS**

**Samokhvalovichy
July 17-19, 2019**

Wednesday, July 17th

Arrival and accommodation of participants of the conference
Hotel "Belarus" (Minsk, Storozovskaya str., 15)

Thursday, July 18th

RUE "The Institute for Fruit Growing"
(Samokhvalovichy, Kovalev str., 2)

- 8:15 – Departure of the participants of the conference from the hotel "Belarus" to RUE "The Institute for Fruit Growing"
- 9:00–10:00 – Registration of the conference participants, placement of posters
- 10:00–10:20 – **WELCOME NOTE AND OPENING** (conference hall)
- PLENARY SESSION**
- 10:20–10:35 – **Problems of soft fruit growing development in Belarus at the present time** Krivorot Anatoly M., RUE «The Institute for Fruit Growing», Belarus
- 10:35–10:50 – **Current status of soft fruit production and research in Latvia**
Laugale Valda, Institute of Horticulture, Latvia
- 10:50–11:05 – **Varieties of soft fruit crop for industrial cultivation breeding at All-Russian Scientific Research Institute of Fruit Crops Breeding**
Knyazev Sergey D., All-Russian Scientific Research Institute of Fruit Crops Breeding, Russia
- 11:05–11:20 – **Directions and progress in soft fruit crop breeding at the Niwa Berry Breeding Ltd.**
Orzel Agnieszka, Niwa Berry Breeding Ltd., Poland
- 11:20–11:35 – **Department of genetic resources of fruit crops VIR: history and fate**
Shlyavas Anna V., Federal Research Center "N. I. Vavilov All-Russian Institute of Plant Genetic Resources", Russia
- 11:35–11:50 – **The changes of climatic conditions and phenological rhythmicity of berry crops in Belarus**
Andrushkevich Tatiana M., RUE "The Institute for Fruit Growing", Belarus
- 11:50–12:05 – **The actual areas of raspberry breeding**
Evdokimenko Sergey N., Kokino Base Station of ARHIBAN, Russia
- 12:05–12:40 – **Fotosession. Coffee break**
- PLENARY SESSION**
- 12:40–12:50 – **Study of gooseberry in the fruit growing department of RUE "Brest Regional Agricultural Experimental Station of the National Academy of Sciences of Belarus"**
Poukh Elena V., RUE "Brest Regional Agricultural Experimental Station of the National Academy of Sciences of Belarus", Belarus
- 12:50–13:00 – **The experience of identifying large-fruited cranberry varieties based on their morphological and biological characteristics**
Kurlovich Tatiana V., SCI "Central Botanical Garden of the NAS of Belarus", Belarus
- 13:00–13:10 – **The modern methods of management Actinidia deliciosa (kiwi) production potential in the conditions of Russian humid subtropics**
Besedina Tina, FSBSI "All-Russian Institute of Floriculture and Subtropical Crops", Russia
- 13:10–13:20 – **Phytosanitary situation in black chokeberry plantations in Belarus**
Komardina Veronika S., RUE «Institute of Plant Protection», Belarus

- 13:20–13:30 – **Field resistance of red currant varieties to anthracnose**
Rodyukova Olga S., FSBSI "I.V.Michurin Federal Research Center", Russia
- 13:30–13:40 – **Evaluation of strawberry varieties for the biochemical composition of fruits**
Pugachev Roman M., UO "The Belarusian State Agricultural Academy", Belarus
- 13:40–17:30 – **Excursion to the Mir Castle**
- 17:30 – **Conference dinner**

Friday, July 19th

RUE "The Institute for Fruit Growing"
(Samokhvalovichy, Kovalev str., 2)

- 8:15 – Departure of the participants of the conference from the hotel "Belarus" to RUE «The Institute for Fruit Growing»
- 9:00–9:30 – **Coffee break**
- PLENARY SESSION**
- 9:30–9:40 – **The effect of rootstock on the biochemical composition of sweet cherry fruits (Cerasus avium)**
Motyleva Svetlana M., FSBSI "All-Russian Horticultural Institute for Breeding, Agrotechnology and Nursery", Russia
- 9:40–9:50 – **The influence of fertilizers and growth stimulators on the fruiting parameters of blue honeysuckle at cutover peatland**
Yakovlev Aleksandr P., SCI "Central Botanical Garden of the NAS of Belarus", Belarus
- 9:50–10:00 – **Cultivation of soft fruit crops in the experimental production farm of the FSBSI "North Caucasian Federal Scientific Center for Horticulture, Viticulture and Wine-Making"**
Gridnev Sergey I., FSBSI "North Caucasian Federal Scientific Center of Horticulture, Viticulture, Wine-making"
- 10:00–10:10 – **The experience of sea buckthorn growing**
Lobachevski Cheslav S., PF «Svitanok-L», Belarus
- 10:10–10:20 – **The experience of blueberries growing in the household plot**
Bordok Ivan V., SCI "Institute of Forest of the NAS of Belarus", Belarus
- 10:20–10:30 – **Development of new types of non-alcoholic fruit drinks**
Maksimenko Maria G., RUE «The Institute for Fruit Growing», Belarus
- 10:30–10:40 – **Yield structure and organoleptic evaluation of red currant products**
Martsinkevich Dmitriy I., RUE «The Institute for Fruit Growing», Belarus
- 10:40–10:50 – **Suitability of new strawberry hybrids for processing and freezing**
Novik Galina A., RUE «The Institute for Fruit Growing», Belarus
- 10:50–11:00 – **Changes in fatty acid compositions of white and black mulberry fruit oils**
Özcan Mehmet Musa, University of Selcuk, Faculty of Agriculture, Department of Food Engineering, Turkey
- 11:00–12:00 – **POSTER SESSION**
- 12:00–14:00 – **A visit to the repository of the soft fruit crops department, the biotechnology department of the Institute for Horticulture and the raspberry plantations in "Red Garden" LLC**
- 14:00–15:00 – **Lunch**
- 15:00–17:00 – **The outcome of the conference**
- Departure of the participants**

Program of the poster session

- 1. Appending of the genetic resources of soft fruit crops in Belarus**
Frolova L.V., Emelyanova O.V., Andrushkevich T.M., Shalkevich M.S., Kondratenok Yu.G., Klakotskaya N.V., Murashkevich L.A., Pigul M.L., Radkevich D.B., Zazulin A.G., Platonov A.R.
- 2. Оценка сортов смородины черной в качестве исходного материала для селекции** Evaluation of black currant varieties as a parent material for breeding
Zazulin A.G., Frolova L.V., Platonova A.R.
- 3. Evaluation of Belorussian and Estonian black currant (*Ribes nigrum* L.) cultivars in Estonia**
Kikas A., Laurson P., Libek A-V.
- 4. Strawberry cultivar selection for northeast climate and effect of some fertilizers**
Laugale V., Dane S., Strautiņa S., Kalniņa I.
- 5. Evaluation of strawberry variety 'Vima Zanta' for disease resistance**
Meleshko N.I.
- 6. Evaluation of the present assortment of autumn raspberry for large fruits**
Frolova L.V., Emelyanova O.V., Radkevich D.B., Sumarenko A.M.
- 7. Gooseberry cultivar 'Orlets'**
Kharchenko A.A.
- 8. Hawthorn cultivar 'Svayak'**
Murashkevich L.A., Frolova L.V., Maksimenko M.G., Ostapchuk I.N., Zeleznyak L.G.
- 9. Assessment of the phytosanitary state of high blueberry plantations in Belarus**
Pleskatsevich R.I.
- 10. The use of microbiological preparations in the nursery**
Kuznetsova A.P.
- 11. In vitro propagation of blackberry 'Stefan' variety**
Gashenko O.A., Frolova L.V.
- 12. In vitro initiation of blue honeysuckle (*Lonicera caerulea* L. var. *kamtschatica*)**
Kolbanova E.V.
- 13. The features of in vitro introduction and stabilization of *Amelanchier alnifolia***
Ostapchuk I.N., Pivovarchik I.A., Kukharchyk N.V.
- 14. The effect of prolonged-release fertilizer on the development of red bilberry at the stage of postadaptation**
Bozhiday T.N.
- 15. The effect of zeatin and 2-isopentinyladenine on the morphogenesis of regenerated plants of 'Zilga' grape variety in vitro**
Krasinskaya T.A.
- 16. Morphological and physiological development of regenerated plants of 'Bianca' grape variety during adaptation to ex vitro conditions**
Krasinskaya T.A., Ostapchuk I.N.
- 17. In vitro propagation of mountain ash and black chokeberry**
Kukharchyk N.V., Kastritskaya M.S.
- 18. Mulching material as an element of technology for strawberry mother plantation** Мульчирующий материал как элемент технологии на маточнике земляники садовой
Сидоренко Т.Н., Левзикова Е.Г.
- 19. The genotypic features of the biochemical composition of *Actinidia arguta* Siebold et Zucc. (Planch, ex Miq.) fruits at the introduction in Belarus**
Rupasova Zh.A., Garanovich I.M., Shpitalnaya T.V., Vasilevskaya T.I., Krinitskaya N.B., Frolova L.V., Pigul M.L.
- 20. Shelf life of blueberry berries depending on the varietal specificity and meteorological conditions of the season**
Drozd O.V.
- 21. Juice retention and organoleptic evaluation of frozen raspberry of different varieties**
Novik G.A., Maksimenko M.G., Martsinkevich D.I.