

Кубанский государственный аграрный университет им. И.Т. Трубилина
Федеральный научный агроинженерный центр ВИМ
Севастопольский государственный университет
ООО «ИНЛИНК»

МЕЖДУНАРОДНАЯ НАУЧНО-ТЕХНИЧЕСКАЯ КОНФЕРЕНЦИЯ

INTERNATIONAL CONFERENCE

**«ИССЛЕДОВАНИЯ И ПОСЛЕДНИЕ ДОСТИЖЕНИЯ
В АПК И БИОТЕХНОЛОГИЯХ»**

*INTERNATIONAL CONFERENCE
ADVANCES IN AGROBUSINESS AND BIOTECHNOLOGY RESEARCH*

ABR 2021

*Краснодар
24 – 26 мая 2021 г.*

*May 24-26, 2021
Krasnodar, Russia*

НАУЧНАЯ ПРОГРАММА

SCIENTIFIC PROGRAM

КОМИТЕТЫ (COMMITTEE)

Председатель

Prof. Andrey Koshchaev (vice-rector of Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia)

Международный программный комитет

Prof. Andrey Izmaylov (Academician of the Russian Academy of Sciences, Federal Scientific Agroengineering Center VIM, Moscow, Russia)

Prof. Alexey Dorokhov (corresponding member of Russian Academy of Sciences, Federal Scientific Agroengineering Center VIM, Moscow, Russia)

Prof. Alexander Tsoi (Almaty Technological University, Kazakhstan)

Prof. Aleksandra Deluka-Tibljaš (University of Rijeka, Croatia)

Prof. Manarbek Galiev (West Kazakhstan agrarian and technological University, Kazakhstan)

Assoc. prof. Nouredin Sharaby (Kafrelsheikh University, Egypt)

Prof. Evgeniy Trubilin (Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia)

Assoc. prof. Hoang Ngia Dat (Hanoi University of Agriculture, Vietnam)

Prof. Sadridin Turobjonov (Tashkent State Technical University named after Islam Karimov, Uzbekistan)

Prof. Lyudmila Donchenko (Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia)

Prof. Sergey Bratan (Sevastopol State University, Sevastopol, Russia)

Assoc. prof. Bahromjon Akhmadov (Tajik Agrarian University named Shirinsho Shotemur, Tajikistan)

Оргкомитет

Assoc. prof. Sergey Belousov (Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia)

Assoc. prof. Anatoly Gulyaev (Federal Scientific Agroengineering Center VIM, Moscow, Russia)

Assoc. prof. Maxim Moskovskiy (Federal Scientific Agroengineering Center VIM, Moscow, Russia)

Assoc. prof. Stanislav Roshchupkin (Sevastopol State University, Sevastopol, Russia)

К СВЕДЕНИЮ УЧАСТНИКОВ

ПРИБЫТИЕ участников конференции 23 мая 2021 г.

МЕСТО ПРОВЕДЕНИЯ – КубГАУ, корпус факультета механизации, ул. Калинина 13,
Краснодар, Россия,

РЕГИСТРАЦИЯ участников 24 мая (с 08.00 до 10.00), главный холл.

Порядок работы конференции

24 мая, понедельник

8.00-10.00 –Регистрация участников (холл факультета)

10.00-11.00 – Открытие конференции (ауд. (345 мх.)

11.00-18.00 – Секционные заседания (с перерывами на обед и кофе-брейки)

25 мая, вторник

9.00-15.00 Секционные заседания (ауд. (345 мх.)

26 мая, среда

10.00 Закрытие конференции.

Рабочие языки – русский, английский

Регламент

Продолжительность устных докладов – 10-12 минут, включая ответы на вопросы.

Формат презентации: Power Point, pdf, doc.

Загрузка докладов на компьютер ассистента руководителя секции осуществляется только перед началом работы секции. При необходимости руководитель секции может вносить изменения в порядок выступлений.

Стендовые доклады – в формате А1 (вертикальное или горизонтальное расположение).

СЕКЦИЯ 1. АГРОБИЗНЕС

1.1	Agronomist vacancy in the online labor market: how employers want to see it	Anna Aletdinova
1.2	The use of accounting outsourcing in small agricultural enterprises	Sergey Yekimov, Viktoriia Nianko, Serhii Harkusha, Oksana Burlitska and Tetiana Gavrillo
1.3	State support for tourism clusters in green tourism	Sergey Yekimov, Viktoriia Nianko, Zhanna Chesnokova, Lyudmila Dolmatova and Anna Tkachenko
1.4	Fuzzy multivariate forecasting of the implementation of regional development programs for the agro-industrial complex	Vadim Lomazov, Olga Ivashchuk, Alexander Lomazov and Olga Akupiyani
1.5	Need for application of remote sensing technologies for development of agro-industrial complex	Elena Denisova, Victoria Silova
1.6	New technical solution for resource-saving tasks in chemical plant protection	Ivan Borisenko, Marina Meznikova, Omariy Chamurliev, Ekaterina Ulybina
1.7	The economic relationships of essential oil production as a basis for supply chain modeling	R.R. Timirgaleeva, M.V. Verdysch, A.A. Popova, N.Yu. Polyakova
1.8	Urbanization and development of vertical agriculture in Russia	Galina Kurcheeva, George Klochkov and Anna Aletdinova
1.9	Development of the standard of quality of life in rural areas in the system of institutional building of the internal environment of the regional economy	Elena Ostapenko
1.10	Simulation modeling in assessing the agricultural enterprise state in an emergency	Kirill Zhichkin, Vladimir Nosov, Lyudmila Zhichkina and Natalia Fomenko
1.11	Economic mechanism of the region breeding service activity	Konstantin Titorenko and Kirill Zhichkin
1.12	The question of estimating the efficiency of investment costs in the agro-industrial complex	A.Yu. Gusev
1.13	Modern aspects of the development of financial inclusion in rural areas of the Russian Federation	Svetlana Podgorskaya
1.14	Model of diagnostics of the efficiency of using the resource potential of the agricultural sector economy	Marina Kholodova
1.15	Determinants of regional agroindustry and spillovers between Siberian local markets	Tatyana Krasnova, Shahid Nawaz Khan, Alexander Pozdnyakov, and Alexander Vilgelm
1.16	Comparative tests of differentiated fertilizer application for wheat using task cards and nitrogen scanner	Truflyak E. V., Kurchenko N. Yu., Kuryan V. E. and Dadu Mones

СЕКЦИЯ 2. АГРОНОМИЯ

2.1	Effect of ionizing radiation with 1 MeV on phenology of potatoes inhabited by fungi <i>Rhizoctonia solani</i> Kuhn	Ulyana Bliznyuk, Natalia Chulikova, Victoria Ipatova, and Anna Malyuga
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2.2	Bacillus subtilis for biological protection of Taxus baccata L. in landscape gardens	Sergey Kopyltsov, and Anna Gneush
2.3	The effectiveness of the use of microbiological preparations when interacting with seed stocks of the genus Prunus L.	Anna Kuznetsova, Sergey Gridnev, Anna Drygina
2.4	Biologically active fungi of the genus Trichoderma as a perspective means of environmentally safe plant protection	Liliya Khalikova, Natalia Borovkova, Oksana Semkina, Evgeniy Korchikov
2.5	State, problems and prospects for the development of sugar beet seed production in the Krasnodar Territory	Anatoliy G. Shevchenko, Aleksey V. Logvinov, Vladimir N. Mishchenko, and Sergey S. Koshkin
2.6	Identification of Sakura interspecific hybrids in Prunus collections	Ilya Stepanov, Ilnur Balapanov, and Anna Drygina
2.7	Parameters and modes of the technological process of scattered rice sowing	Ivan Masienko, Sergey Shevchenko and Kirill Glytyan
2.8	Potato yield on dark gray soils when using microbiological preparation	Irina Pityurina, Dmitry Vinogradov
2.9	Ecological and economic aspects of optimizing the creation and functioning of drainage systems in accordance with modern requirements	Anatoly Rokochinskiy, Yuri Mazhayskiy, Pavlo Volk, Roman Koptyuk, Lubov Volk, Olga Chernikova
2.10	Automation of crop production in the Siberian region with the development of precision farming technologies	Boris Dokin, and Anna Aletdinova
2.11	Berry bushes in the landscape architecture of urban megacities	Olga Hanbabaeva, Dmitry Kalashnikov, Vladimir Sorokopudov and Anna Matsneva
2.12	Biological features of growing tomatoes in closed agroecosystems	Oksana Vershinina, Inna Knyazeva and Vladimir Gudimo
2.13	Thermoregulation of plant systems as a factor of production processes	Alexander Grishin, Andrey Grishin, Inna Knyazeva and Vladimir Grishin
2.14	Trends in the development of non-invasive technologies for assessing quality of seeds	Maksim Moskovskiy, Aleksander Lavrov, Anatoly Gulyaev and Maksim Sidorov
2.15	Research of the spectral characteristics of healthy and fusarium-infected oat seeds of the variety «ZALP» with hyperspectral camera	Maksim Moskovskiy, Stanislav Gerasimenko, Andrey Boiko and Sergey Vorobev
2.16	Research of the spectral characteristics of healthy and fusarium-infected wheat seeds variety Moskovskaya 56 by hyperspectral spectroscopy	Maksim Moskovskiy, Maksim Litvinov, Andrey Boiko, Sergey Maklakov
2.17	Nezara viridula L - опасный адвентивный вредитель в Краснодарском крае	Снесарева Е.Г.
2.18	Results of growing parsley using aquaponics method	Denis Yurin, Natalya Yurina, Gayanje Arutyunova, Ekaterina Maxim and Boris Khorin
2.19	A promising method to control ragweed Ambrosia artemisiifolia L. in urban cenoses	Leonid Esipenko and Almaskhan Ketsba

2.20	Изучение исходного материала для селекции донника желтого	Нина Чухлебова, Инна Донец, Анна Голубь и Ольга Мухина
2.21	Влияние препаратов нового поколения на продуктивность озимой пшеницы в условиях дефицита влаги	Елена Дрёпа, Роман Пшеничный, Марина Пономаренко, Елена Голосная, Людмила Петрова
2.22	Phenotypic evaluation of dh-lines developed on the base of rice samples with blast resistance genes	E. G. Savenko, Zh. M. Mukhina, V. A. Glazyrina, T. L. Korotenko and S. V. Garkusha
2.23	Integrated Use of AHP-GIS-Remote sensing predicting potential areas of coffee plants: a case study of buffer zone of Ta Dung Nature park, Vietnam	Mai Phuong Pham, Dinh Duy Vu, Thi Hanh Tong and Robert Sandlerky
2.24	Modelling for Hevea brasiliensis and Manihot esculenta plantations responses to climate change in Song Ninh District of Phu Yen province, Vietnam	Mai Phuong Pham, Thi Hanh Tong, Dinh Duy Vu and Quoc Khanh Nguyen
2.25	Использование мультитременных данных дистанционного зондирования земли для оценки сельскохозяйственной территории	Антон Александрович Мелентьев
2.26	Inventory of forest belts on agricultural lands of Streletsky rural settlement of Belgorodsky district of Belgorod region	Anton Melentyev
2.27	Опыт выращивания сои (Glycine max (L) merryll) в условиях орошении в зоне неустойчивого увлажнения, Ставропольского края	Шабалдас О.Г. Пимонов К.И. Мухина О.В.
2.28	Influence of the tillage method on the development of leaf diseases of winter wheat	Kremneva O.Yu., Gasiyan K.E., Ponomarev A.V., Kokhmetova A. and Novoseletsky S.I.
2.29	Photosynthetic activity and productivity of potato plants when using foliar dressings with complex micronutrients and humate	Olga Savina, Svetlana Afinogenova, Valentina Krishtafovich and Bakhytkul Baikhozhaeva
2.30	Innovative trends in breeding disease resistant rice varieties	Grigory Zelensky, Elena Dubina, Maxim Ladatko and Olga Zelenskaya
2.31	Productivity of the main ear of winter soft wheat varieties in ontogenesis	V. V. Kazakova, V. S. Kazakova, N. V. Repko, and V. S. Dinkova
2.32	Plant productivity parameters in rice varieties with different type of panicles and their variability	Tatyana Korotenko, Semen Yurchenko and Lyubov Esaulova
2.33	The use of a new generation chemicals on early ripening potatoes	Ryslan Gish, Anastasiya Zvyagina and Nina Arakelyan
2.34	Cyto-histological aspects of haploid androgenesis when obtaining haploids/doubled haploids in rice (Oryza Sativa l.) anther culture in vitro	E.G. Savenko, Zh.M. Mukhina, V.A. Glazyrina and L.A. Shundrina
2.35	Formation of rice plants productivity traits in first generation hybrids and their inheritance	Irina Chukhir, Nikolay Chukhir, and Diana Belik
2.36	Variability of grain and milled rice quality traits of long-grain rice variety	Ruslan Dzhamirze , Nadezhda Ostapenko и Natalia Chinchenko
2.37	Immunological variability of rice varieties depending on growing conditions	Olesya Bragina, Andrey Ogly and Pshimaf Khachmamuk

2.38	Physical and chemical properties of rice grain of variety Rapan at different seeding rates and doses of nitrogen fertilizers	Elina Papulova, Svetlana Chizhikova, Knarik Olkhovaya, Natalia Tumanyan
2.39	Rice crops research according to remote sensing data	Michael Skazhennik, Vitaly Chizhikov, Anna Shevchenko, Andrey Migachev
2.40	Features of heterosis manifestation in interlinear hybrids of sweet pepper in unheated film greenhouses	Svetlana Koroleva, Nelly Polyakova, and Olga Pistun
2.41	Influence of the orientation of uterine bulbs during planting on the seed yield of winter onion variety Ellan in a two-yield direct crop	Victor Lazko, Olga Yakimova
2.42	Development of seed production elements of new grain beans variety Yuzhanka bred by FSBSI Federal Scientific Rice Centre	Grigory Pischulin, Lybov Esaulova and Sergey Garkusha
2.43	Development of rice variety with blast resistance genes Pi-b and Pi-z basing on DNA-technologies	Andrey Ogly, Viktor Kovalev, Olesya Bragina, and Ivan Suprun
2.44	К проблеме повреждения зерна риса в виде темных пятен в полевых условиях при возделывании в Краснодарском крае	Туманьян Наталья Георгиевна, Кумейко Татьяна Борисовна, Гаркуша Сергей Валентинович
2.45	Efficiency of applying urea and UTEC carbamide on rice crops	Askhad Sheudzhen, Tatyana Bondareva, Oksana Gutorova, and Pshimaf Khachmamuk
2.46	Development, evaluation and characteristic of economically valuable traits in new sterile line of tomato for producing hybrids in the South of Russia	Irina Kozlova, Lyubov Esaulova and Sergey Garkusha
2.47	Variability of Rice Varieties in the Composition of Essential Amino Acids	Yulia Goncharova, Svetlana Vereshchagina, Nikolay Ochkas, Sergey Goncharov
2.48	Anion content in Russian rice samples due to increased adaptability to dehydration	Yulia Goncharova, Nadezhda Gapishko, Nikolay Ochkas, and Sergey Goncharov
2.49	Economic assessment of grain and ear crops harvesting techniques and technologies in the conditions of the South of Russia	Yury Kastidi
2.50	Evaluation of productivity and quality of rice varieties included into State register of breeding achievements approved for use, in production tests in Krasnodar region	Sergey Garkusha, Susanna Tesheva, and Dmitry Pischenko

СЕКЦИЯ 3. БИОТЕХНОЛОГИИ И АГРОХИМИЯ

3.1	Illumina-based identification of arbuscular mycorrhizal fungi from Karachay-Cherkessia soils for development of bio-fertilizers	Andrey Yurkov, Alexey Kryukov, Yulia Mikhaylova, Peter Zhurbenko
3.2	Biotechnological peculiarities of microalgae chlorella production and use in poultry	Nadezhda Machneva, Anna Gneush, Kirill Ivanov
3.3	Determination of biologically active compounds (costunolide and dehydrocostuslactone) in the leaves of some forms of sweet bay	Naida Nasukhova, Dmitry Konovalov, Valeriya Orobinskaya, and Evgeny Galdin

3.4	Use of growth inhibitor chlormequat chloride in potato culture in vitro	Sergey Buldakov
3.5	Разработка биотехнологии беспестицидной защиты озимой пшеницы в Центральной зоне Краснодарского края	Пушня Марина Владимировна
3.6	Entomopathogenic activity of bacterial and viral strains from the bioresource collection "State Collection of Entomoacariphages and Microorganisms"	Elena Yu. Bondarchuk, Alexandra A. Tsygichko, Natalia S. Tomashevich and Anzhela M. Asaturova
3.7	Biochemical dymorphism of potassium content and its adaptive significance in domestic reindeer	Alexander Yuzhakov, Anatoly Kushnir, Kasim Laishev , and Vasily Zabrodin
3.8	Xenobiotics: a threat to the health of living organisms	Svetlana V. Kucherenko, Alla M. Ovcharenko and Sergey L. Pushenko
3.9	Derivation of pesticide aged sorption parameters from laboratory incubation data	Victoria Kolupaeva
3.10	Use of an environmentally oriented organic mineral fertilizer from liquid waste of pig farms in the cultivation of wheat	Tatiana Kolesnikova, Marina Kulikova
3.11	Molecular marking in breeding Brassica oleracea L. for resistance to Xanthomonas campestris pv. campestris	Yuliya Makukha, and Elena Dubina
3.12	Ectoparasite habrobracon hebetor say is an efficient biological control agent of lepidopteran pests	Irina Agasyeva
3.13	System of biological protection of corn against pests for organic farming	Vladimir Ismailov
3.14	Breeding the predatory bug Podisus maculiventris Say to protect potatoes from Leptinotarsa decemlineata Say	Mariya Nefedova
3.15	Effect of cAMP on bovine oocyte maturation in vitro	Valeria Makutina, Albina Isaeva, Anna Krivonogova, Alexey Deykin
3.16	The development system of biotech management of reproduction fish populations based on neuroendocrinological research	Garlov P.E, Kolman R.
3.17	Efficacy of fungicides against pathogens of apple core rot from the genera Fusarium Link, Alternaria Nees and Botrytis (Fr.) under laboratory conditions	Irina Astapchuk, Galina Yakuba, and Andrei Nasonov
3.18	Changes in analytical characteristics of pectic substances when freezing berries	Irina Sobol, Ludmila Rodionova, Ludmila Donchenko and Albina Varyvoda
СЕКЦИЯ 4. ЖИВОТНОВОДСТВО		
4.1	The use of modern bactericidal UV irradiators in poultry houses for broilers	Irina P. Saleeva, Evgeniya V. Zhuravchuk, Vitaly Yu. Morozov, Roman O. Kolesnikov and Anna A. Zaremskaya

4.2	Study of the influence of the feeding type of calves during the milk fattening period on the subsequent growth and development of bulls up to 12 months of age	Valentin Golovan, Denis Osepchuk, Denis Yurin and Aleksey Kucheryavenko
4.3	Clinical and metabolic effects of the original iodine metabolic composition in the experiment on calves	Al.A. Evglevskiy , O.M. Shvets, T.I. Mikhaleva
4.4	Advantages and disadvantages of mechanical manure dewatering	Valentin Gusev, Lyubov Zazykina, Inna Sysoeva and Valeriy Lukashenko
4.5	Influence of reproductive qualities on dairy productivity of cows of the Simmental breed	Maria Grinchuk and Yulia Nesterova
4.6	Selection and justification of priority tasks of biogas plant management taking into account technological risks	Valery Lubentsov, Ekaterina Ozhogova, Elena Lubentsova, and Evgeniy Shakhray
4.7	Study of the effect of active coal feed additive on the productivity of meat geese	Vagan Ovsepyan, Natalya Yurina, Bella Tsipinova, Taisia Ustjuzhaninova, and Boris Khorin
4.8	Horse breeding of the Kaliningrad region: state and development prospects	Tamara Antunovich , Vasily Verkhoturov
4.9	Cycles and intervals in hen egg laying	Vyacheslav I. Shcherbatov, Artem G. Shkuro
4.10	A promising method for pre-sowing grain treatment	Teterina Olga, Kostenko Mikhail, Teterin Vladimir, Mitrofanov Sergey
4.11	Multi-criteria decision support system for selecting the structural and functional scheme of a biogas plant in the agro-industrial complex	Valery Lubentsov, Ekaterina Ozhogova, Elena Lubentsova, and Evgeniy Shakhray
4.12	The influence of nanosized iron particles on morphological parameters of blood and reproductive ability of sows in the third trimester of gestation	Lydia Kashirina, Vitaly Kulakov, Elman Saitkhanov, and Sergey Denikin
4.13	Микрофлора организма белого медведя (<i>Ursus maritimus</i>) из природной популяции Российской Арктики.	Татьяна Денисенко, Андрей Болтунов, Станислав Беликов
4.14	Meat chicken productivity when vitamin-selenium-containing preparations in combination with enzymes use in diets	V.A. Zlepkin, A.A. Ryadnov, V.V. Salomatin, N.A. Zlepkina
4.15	Патологии пищеварительного тракта у лемура лори (секционное исследование)	Ткаченко Лия Викторовна
4.16	Digital phenotyping technologies: an emerging tool in genomic selection and animal welfare science?	Eugenia V. Solodneva, Aleksei K. Piskunov, Yury Stolpovsky, and Sergey Kuznetsov
СЕКЦИЯ 5. ПИЩЕВЫЕ ТЕХНОЛОГИИ И ВИНОДЕЛИЕ		
5.1	Sensory and physic-chemical properties of wheat bread prepared with apple pomace	Elvira A. Pyanikova, Anna E. Kovaleva, Maria A. Zaikina and Aleksey G. Belyaev
5.2	Effect of enzyme preparations used for oak wood biocatalysis on the set of highly volatile components of aged brandy distillates	Kristina Reznichenko, Galina Aleynikova

5.3	Study of the nutritional value of fermented milk drinks from goat's milk	Alma Shunekeyeva, Mariam Alimardanova, Alexander Majorov
5.4	Study of the effect of organic acids on the crystal stability of wines	Sofia Cherviakov, Nadezhda Anikina, Nonna Gnilomedova and Antonina Vesytova
5.5	Application of combined methods for the production of ingredients for the confectionery industry	Zinaida Baranova, Irina Krasina, Natalia Tarasenko, and Rimma Elemanova
5.6	Development of the grain energy bars with the high content of dietary fibers	Irina Krasina, Anna Kurakina, Cholpon Kasymova, and Ekaterina Krasina
5.7	Development of the recipe and technology of dessert butter with black currant	Inessa Zachesova, Maria Gorbacheva, Anna Merkylova, and Natalia Shagaeva
5.8	The influence of inulin on the structural and mechanical properties of dough for the gluten-free biscuit	Irina Krasina, Anastasia Strelkova, Nargiz Duishenbek, and Elizabeth Filippova
5.9	Influence of oil combinations on the structural properties of oleogels	Yuliya Frolova , Roman Sobolev, and Alla Kochetkova
5.10	Study the properties of a chickpea-based jelly product	Elena Molchanova, Marya Shipareva, Tatyana Evmeshkina, and Ismoil Isabayev
5.11	The effect of dihydroquercetin on the stability of consumer properties of chopped semi-finished meat	N. N. Shagaeva, S. V. Kolobov, and I. A. Zachesova
5.12	In vitro antibacterial and antioxidant activity of <i>Rosmarinus officinalis</i>	A. K. Milyuhina, L. A. Zabodalova, U. Kyzdarbek, I. R. Romazyeva, and N. Yu. Klyuchko
5.13	The use of a food additive based on <i>Stevia Rebaudiana</i> Bertoni components in the production of confectionery	Ekaterina Lupova, Dmitry Vinogradov
5.14	A food ingredient containing phytoecdysteroids and polyphenols from quinoa grain: technology and physiological and biochemical evaluation in vivo	Nikita Petrov, Nadezhda Biryulina, Yuliia Sidorova, and Vladimir Mazo
5.15	Using the microflora of grapes for the production of young sparkling wines	Igor Lutkov
5.16	Frying composition based on ostrich fat and a natural antioxidant additive	Mariya V. Gorbacheva, Vasilij E. Tarasov, Svetlana A. Kalmanovich, and Konstantin V. Esepenok
5.17	Formation of properties of meat-containing canned food with the use of rabbit meat for children's and dietary food	Anna Merkulova, Inessa Zachesova, and Maria Gorbacheva
5.18	Resource-saving production technology complex of polysaccharides from ginseng root meal	Valeriya Orobinskaya, Valeriy Kazub, Evgeny Galdin and Sergey Emelyanov
5.19	Study of phenolic compounds and lipids of grape pomace	Natalia Ageyeva , Anastasia Tikhonova, Svetlana Biryukova, and Ekaterina Globa

5.20	Physicochemical parameters of grape pomace subject to grape processing technology applied	Natalia Ageyeva , Anastasia Tikhonova, Boris Burtsev, and Ekaterina Globa
5.21	PCR-RFLP ITS-based analysis of wine yeast autochthonous strains isolated from different grape cultivars in Taman subregion	Elena Lobodina, Ivan Suprun, Natalya Ageeva, Ekaterina Al-Nakib
5.22	The influence of the moisture weight ratio and the activity of the invertase enzyme on the crystallization rate of natural honey	E. A. Murashova, O. A. Karelina, O. V. Serebryakova
5.23	Development of curd dishes for gluten-free nutrition	G.E. Rysmukhambetova, E.N. Artemova, K.E. Beloglazova, and Yu.V. Ushakova
5.24	SO ₂ - binding complex of grapes and factors of its formation	Olga Zaitseva, Elena Ostroukhova, Irina Peskova, and Maria Vyugina
5.25	The effect of the organic plant protection system on the chemical composition and quality of grapes and red wines	Elena Ostroukhova, Irina Peskova, Natalia Lutkova and Elena Stranishevskaya
5.26	Economic substantiation of the use of bicomponent drinks with the use of pectin substances on the example of vegetable juices	Anna I. Belousova, Ludmila V. Donchenko

СЕКЦИЯ 6. ПОЧВОВЕДЕНИЕ И ЛЕСНОЕ ХОЗЯЙСТВО

6.1	The influence of solar activity on the formation of plant phytomass in dry steppe conditions	Karine Trubakova , Svetlana Turko , and Marina Vlasenko
6.2	Повышение эффективности процесса лесозаготовительных работ в контексте рационального природопользования	М. Зырянов, В. Швецов, И. Миляева, Е. Дождев
6.3	The feasibility of using soil runoff in calculating the water balance of ameliorated soil	Ivan Levshunov, Yuri Mazhayskiy, Olga Chernikova
6.4	Исследование возможности использования донных отложений при лесной рекультивации нарушенных территорий	Гордеева Т.Х., Малюта О.В., Ятманова Н.М., Лабаторина О.С., Ибадуллаев М.У.
6.5	Dynamics of mineral nitrogen in the gray forest soil under malt barley on the background of mineral fertilizers in the forest steppe of the east Prisan	Viktor Grebenshchikov, Nikolay Tyutrin, and Vasily Verkhoturov
6.6	Studies of Natural Soil Radioactivity in the Kirchhoff Hill (the Leningrad Region, the Russian Federation)	S.V. Lebedev, I.I. Podlipskiy, S.V. Dubrova, P.S. Zelenkovskiy and S.G. Kamenkova
6.7	Properties, processes and modes characterizing the state of heavy metals in soils	Andrey Sorokin, Sergey Belopukhov, Vladimir Gukalov, Vitaly Savich, Ravil Baibekov and Nikolay Tyutrin
6.8	Efficient activity of soil depending on of precursors and major treatment of soil when cultivating winter wheat	O.I. Vlasova, G.R. Dorojko, V.M.Perederieva, I.A.Volters, L.V.Trubacheva
6.9	Гео-экологическая оценка состояния почв функциональных зон территории Восточного административного округа города Москвы, Российская Федерация	Дуброва Станислав

6.10	Prospects for the use of calcium ammonium nitrate on acidic soils of the Non-Black Earth Area	Akanova N. I., Vizirskaya M. M. and Zhdanov V. Yu.
6.11	Modern characteristics of the properties of meadow-boggy soils of rice agrocenosis in the republic of adygeya	Vitaliy Chizhikov, A. V. Osipov, Ilya, Suminsky, and Katinda Belo
СЕКЦИЯ 7. СЕЛЬСКОХОЗЯЙСТВЕННОЕ МАШИНОСТРОЕНИЕ		
7.1	Design and technological aspects of spiked cereal combine stripping	Gennady Maslov, Elena Yudina, Denis Ushakov and Gavriil Samurganov
7.2	Optimization of the parameters of the rotary working body for harrowing crops	Alexander Serguntsov and Ivan Belyakov
7.3	Analysis of research on soil destruction criteria during its interaction with working bod-ies	Vladimir I. Konovalov
7.4	The results of the study of uneven seed disper-sion by the centrifugal distribution system of a pneumatic grain seeder	Azamat E Bogus, Elena Zubrilina, Lyubov Vysochkina
7.5	Анализ технико – эксплуатационных показате-лей машин для посадки рассады	Виневский Е.И, Лопатин В.С.
7.6	Improving the efficiency of timber sawing process by increasing reliability of attachments for forestry equipment	M. Zyryanov, A. Saltanov, A. Davydenko, E. Dozhdev
7.7	Design and technological scheme and main parameters of a replaceable track unit to the unit of traction class 5	Viktor B. Rykov, Sergey I. Kambulov, Sergey V. Belousov
7.8	New working organs for solid tillage of fallow fields in summer season	Viktor Rykov, Sergey Kambulov, and Sergey Belousov
7.9	Theory on the formation of working fluid formed by an air jet and a slot sprayer	Alexey V. Palapin, Stanislav I. Roshchupkin, Sergey V. Belousov
7.10	Working bodies of a moldboard plow for combined soil processing with a turnover of a layer	Belousov Sergey V., Tsymbal Alexander A.
7.11	Search for rational ratio of maximum speed and minimum fuel consumption of the vehicle	Maxim Sidorov, Igor Eliseev, Vladimir Sidorov, and Svetlana Golubina
7.12	Impact of environmental agents on non-woven polylactide/natural rubber agrofiber	Yulia Tertyshnaya, Maksim Zakharov, Maksim Moskovskiy and Anatoliy Popov
7.13	Improving the technology of repair painting with powder-coated paints in agro-industrial complex	Andrey Bodrov, Anton Panichkin, Denis Lomakin, Andrew Simushkin
7.14	Theoretical and Experimental Studies of the Temperature Difference at the Inlet and Outlet of a Pump as a Function of Time and Pressure	Kostomakhin M.N., Makarkin I.M., Petrishev N.A.
7.15	Use of Plant-Based Fuels in Diesel Engines	Maxim Kulev, Andrew Kulev, Natalya Kuleva, Oleg Ivanov
7.16	Calculation of engine power for a tractor of traction class 1.4 with a technological module	Maksim Sidorov, Alexander Lavrov, Victor Voronin and Anastasia Sidorov
7.17	Justification of the requirements for an environmentally safety mobile power unit of class 1.4-2.0	Alexander Lavrov

7.18	Development of a block system for controlling the main parameters of the seed separation process based on air-gravity machines	Stanislav Gerasimenko , Artak Adamyn, Dmitriy Podlesniy and Valentin Mishin
7.19	Research results of agrotechnical indicators of universal seed-fertilizer stubble drill SZS-4U	S. I. Kambulov, I. V. Bozhko, A. A. Boyko, D. S. Podlesniy and L. A. Vodianitskaya
7.20	Study of the process of seed movement in the seed duct and the impact on the operation of a multi-level seeding system	Maksim Litvinov
7.21	Algorithm for create network diagrams for planning maintenance of agricultural machines	Anton Popov and Vladimir Lukhanin
7.22	The use of unmanned aerial vehicles in digital agriculture	Igor Grishin, and Rena Timirgaleeva
7.23	Предварительная подготовка системы водоснабжения для напорного ящика через станцию очистки воды «Пульсар»	В. Дымченко, Н. Петрушева, Э. Ильязова, М. Липилин
7.24	Estimation of energy consumption for rolling a mobile vehicle equipped with ultra-low pressure tires	Vladimir Pryadkin, Artyom Artyomov, Pavel Kolyadin, Nikolay Bakach
7.25	Automated unit for magnetic pulse processing of strawberries	Dmitriy Khort, Alexey Kutyrev, Rostislav Filippov
7.26	Development automated capture device for picking apples	Dmitriy Khort, Alexey Kutyrev, Igor Smirnov and Daniil Pupin
7.27	Results of using an electric drive platform for harvesting strawberries	Rostislav Filippov , Dmitriy Khort, and Alexey Kutyrev
7.28	Modeling of transport and technological processes of cultivation and harvesting agricultural crops	Nikolay Maystrenko, Alexandr Levshin, Dmitriy Khort and Alexey Kutyrev
7.29	To calculate heat losses with flue gases of coal-fired boilers	Sergey Gordin, Ilya Zaychenko, Vera Sokolova, and Victoria Bazheryanu
7.30	To justification of parameters of ultra-low-volume spraying with pneumatic slot sprayers	Papusha S. K., Zhadko V. V., Kozhura F. A.
7.31	Analitical definition of the law of change in the traction resistance of the plowshare and justifi-cation of its model	V.V. Tsybulevsky, S.G. Rudnev, A.A. Poluektov
7.32	Justification of an effective method of potatoes harvesting	T.S. Baybulatov, B.I. Khamkhoev, K.M. Uzhakhov, A.Kh. Tsechoeva
7.33	Aspects of the production of planting material from lignified cuttings using frameless film microcoats	M.A. Mekhedov, R.A. Filippov, A.A. Tymbal, I.I. Chukhlyaev
7.34	Experimental study of thermophysical properties of gasoline oil fractions	Chebotaryev M.I., Kharchenko P.M.

СЕКЦИЯ 8. ЭКОЛОГИЯ

8.1	Extrusion technologies in ensuring sustainable development	Alexander R. Volkov, Svetlana A. Chernikova
8.2	Assessment of the effect of aerotechnogenic pollution on male reproductive organs <i>Convolvulus arvensis</i> L.	Evelina Ibragimova, Olga Manankova

8.3	Ecological and economic transformations of natural management systems of agrarian type (based on materials from the South of Russia)	Galina Karpova, Natalya Medyanik
8.4	Modelling episode of Saharan dust transfer over the Black Sea according to the WRF model and MODIS satellite data	Anna Papkova, Yulia Papkova, and Dmitrii Shukalo
8.5	Assessment of agricultural ecosystem benzo(a)pyrene pollution on a wheat field model	Alla Ovcharenko, Svetlana Kucherenko, and Khamzat Gazgireev
8.6	Atmospheric precipitation is an ecological aspect of climate change	Svetlana Turko , Karine Trubakova