

PROGRAMME

International Scientific Conference PLAMIC2018

«Plants and microbes: the future of biotechnology»

Russia, Ufa, 13-17 June 2018



13th of June, Holiday Inn

Opening of the conference Hall «Gafuri» («Гафури»)	
8 ³⁰ - 10 ⁰⁰	Registration
10 ⁰⁰ – 10 ²⁰	Speech of welcome by the chief of the Program committee, member of RAS Tikhonovich I.A.; The director of the Institute of biochemistry and genetics Khusnutdinova E.K.
10 ²⁰ - 11 ⁰⁰	Plenary speech Tikhonovich I.A. Mobilization of the combined genetic systems of microorganisms and plants (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)
11 ⁰⁰ - 11 ⁴⁰	Plenary speech Shchyogolev S.Yu. Experience of application of modern approaches to genetic systematics of prokaryotes in taxonomic studies of rhizosphere microflora (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
11 ⁴⁰ - 12 ⁰⁰	Coffee break
12 ⁰⁰ - 12 ⁴⁰	Plenary speech Provorov N.A. Evolutionary geography of nodule bacteria: molecular, population and genetic engineering aspects (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)
12 ⁴⁰ - 13 ²⁰	Plenary speech Khlestkina E.K. Genome editing in plant breeding and genetics (All-Russian Research Institute of Plant Genetic Resources, Saint Petersburg, Russia)
13 ²⁰ - 14 ⁰⁰	Plenary speech Kudoyarova G.R. Capacity of rhizobacteria to produce and destroy plant hormones as a basis for biotechnology to promote growth, productivity and stress resistance of inoculated plants (Ufa Institute of Biology, Ufa, Russia)
14 ⁰⁰ - 15 ³⁰	Lunch time
Session «Microbial biotechnology» Hall «Shalyapin» («Шаляпин») <i>Session moderator Shchyogolev S.Yu.</i>	
15 ³⁰ - 16 ¹⁰	Plenary speech Kamnev A.A. Molecular spectroscopy techniques in microbial biotechnology (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
16 ¹⁰ - 16 ⁵⁰	Plenary speech Kuznetsov V.I. Industrial production of biologic preparations based on microorganisms (BASHINKOM, Ufa, Russia)
16 ⁵⁰ - 17 ⁰⁰	Coffee break
17 ⁰⁰ - 17 ⁴⁰	Plenary speech Markova Yu.A. Plant-microbial associations as a source of bacteria, promising for bio-technological use (Siberian Institute of Plant Physiology and Biochemistry, Irkutsk, Russia)
17 ⁴⁰ - 18 ²⁰	Plenary speech Doolotkeldieva T.D. The microbial degradation of obsolete pesticides in burial soils of Kyrgyzstan (Kyrgyz-Turkish Manas University, Plant Protection Department, Bishkek, Kyrgyzstan)
19 ⁰⁰ - 22 ⁰⁰	Welcome party in Hotel Tan

Session «Plant-microbe symbiosis and biotechnology of symbiotic systems»

Hall «Gafuri» («Гафури»)

Session moderator Provorov N.A.

15 ³⁰ - 16 ¹⁰	Plenary speech Tarchevsky I.A. The role of streptomycetes in the relationships of plant and rhizobiota (Kazan Institute of Biochemistry and Biophysics, Kazan, Russia)
16 ¹⁰ - 16 ⁵⁰	Plenary speech Onishchuk O.P. Competition of rhizobia for the nodule formation: genetic control, evolution and practical significance (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)
16 ⁵⁰ - 17 ⁰⁰	Coffee break
17 ⁰⁰ - 17 ²⁰	Gogolev Y.V. Plant-microbial dialogue in the formation of pathosystems (Kazan Institute of Biochemistry and Biophysics, Kazan, Russia)
17 ²⁰ - 17 ⁴⁰	Gorshkov V.Y. The “xylem story” of life of pectobacteria inside the host plants (Kazan Institute of Biochemistry and Biophysics, Kazan, Russia)
17 ⁴⁰ - 18 ⁰⁰	Turkovskaya O.V. Potential of plants and microorganisms to degrade polycyclic aromatic hydrocarbons (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
18 ⁰⁰ - 18 ²⁰	Didovich S.V. The influence of the physiological potential of cyanobacteria on plant-microbe interaction (FSBSI «Research Institute of Agriculture of Crimea», Simferopol)
19 ⁰⁰ - 22 ⁰⁰	Welcome party in Hotel Tan

Free transfer will be available on 13th of June between Hotel Tan (08:30 a.m.) and Holiday Inn (6:30 p.m.)
You can also use a bus №226, №290, №272



14th of June, Hotel Tan

<p style="text-align: center;">Session «Plant biotechnology» Hall «Nur» («Hyp») <i>Session moderator</i> Tarchevsky I.A. <i>Co-moderators</i> Chumakov M.I., Chemeris A.V.</p>	
9 ⁰⁰ - 9 ⁴⁰	Plenary speech Chemeris A.V. CRISPR/Cas genome editing of plants (Institute of biochemistry and genetics, Ufa, Russia)
9 ⁴⁰ - 10 ²⁰	Plenary speech Vetkina A.S. Nanopore sequencing Oxford Nanopore (Dia-M LLC)
10 ²⁰ - 11 ⁰⁰	Plenary speech Chumakov M.I. Genome editing as applied to maize (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
11 ⁰⁰ - 11 ²⁰	Coffee break
11 ²⁰ - 11 ⁴⁰	Galin I.R. Embryoidogenic ability of wheat and barley calli in vitro is determined by the balance of content of endogenous IAA and ABA (Ufa Institute of Biology, Ufa, Russia)
11 ⁴⁰ - 12 ⁰⁰	Yegorova N.A. Influence of genotype and culture medium composition on the rooting of essential oil rose during micropropagation in vitro (Nikitsky Botanical Gardens, Crimea)
12 ⁰⁰ - 12 ²⁰	Stepanova A.Yu. In vitro cultures of <i>Scutellaria baicalensis</i> as a source of physiologically active substances (Institute of Plant Physiology, Moscow, Russia)
12 ²⁰ - 12 ⁴⁰	Terletskaya N.V. Photomorphogenesis of embryogenic wheat calli in conditions of edafic stresses (Institute of Plant Biology and Biotechnology, Almaty, Kazakhstan)
12 ⁴⁰ - 13 ⁰⁰	Mikhaylova E.V. Prospects for aquaculture of water caltrop <i>Trapa sibirica</i> Fler. (Lythraceae) in the Republic of Bashkortostan (Institute of Biochemistry and Genetics, Ufa, Russia)
13 ⁰⁰ - 15 ⁰⁰	Lunch time
15 ⁰⁰ - 15 ⁴⁰	Plenary speech Kuluev B.R. Molecular mechanisms of organ size regulation in plants (Institute of Biochemistry and Genetics, Ufa, Russia)
15 ⁴⁰ - 16 ²⁰	Plenary speech Komakhin R.A. Promoters pro-SmAMP1 and pro-SmAMP2 from the weed <i>Stellaria media</i> for genetic engineering of dicots (All-Russia Research Institute of Agricultural Biotechnology, Moscow, Russia)
16 ²⁰ - 17 ⁰⁰	Plenary speech Lysenko E.A. Genome outside a nucleus: Plastome, its features and application in biotechnology (Institute of Plant Physiology, Moscow, Russia)
17 ⁴⁰ - 19 ²⁰	Tasting of ethnic cuisine, excursion and poster session in the Institute of biochemistry and genetics

Session «Plant-microbe symbiosis and biotechnology of symbiotic systems»

Hall «Tan» («Тан»)

Session moderator Tikhonovich I.A.
Co-moderators Belimov A.A., Gogolev Y.V.

9 ⁰⁰ - 9 ⁴⁰	<p>Plenary speech Demchenko K.N. The diversity of actinorhizal symbiosis: cellular and molecular genetic mechanisms (Komarov Botanical Institute, Saint Petersburg, Russia)</p>
9 ⁴⁰ - 10 ⁰⁰	<p>Yurkov A.P. Effect of the fungus <i>Rhizophagus irregularis</i> on the hormonal status and photosynthesis in <i>Medicago lupulina</i> during arbuscular mycorrhiza development (All-Russian Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)</p>
10 ⁰⁰ - 10 ²⁰	<p>Tsivileva O.M. Biopolymeric composites of fungal origin against bacterial phytopathogens (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)</p>
10 ²⁰ - 10 ⁴⁰	<p>Gilmaeva A.V. Study of biological properties of new <i>Trichoderma</i> fungus strains, recovered from soil in Ufimsky district (BASHINKOM, Ufa, Russia)</p>
10 ⁴⁰ - 11 ⁰⁰	<p>Veselova S.V. Influence of ethylene and reactive oxygen species on the growth of the pathogen <i>Stagonospora nodorum</i> BERK. in tissues of wheat plants (Institute of biochemistry and genetics, Ufa, Russia)</p>
11 ⁰⁰ - 11 ²⁰	<p>Coffee break</p>
11 ²⁰ - 11 ⁴⁰	<p>Dolgikh E.A. Role of chitooligosaccharide signal molecules in the control of plant symbiotic and pathogenic relationships with microorganisms (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)</p>
11 ⁴⁰ - 12 ⁰⁰	<p>Tsyganov V.E. Cellular mechanisms of plant cell differentiation in symbiotic nodule (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)</p>
12 ⁰⁰ - 12 ²⁰	<p>Tsyganova A.V. Ultrastructural features of symbiotic nodules of relict legumes (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)</p>
12 ²⁰ - 12 ⁴⁰	<p>Shtark O.Y. Transcriptomics of symbiotic systems formed by pea (<i>Pisum sativum</i> L.) (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)</p>
12 ⁴⁰ - 13 ⁰⁰	<p>Andronov E.E. Plants as a factor of soil microbiome formation (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)</p>
13 ⁰⁰ - 15 ⁰⁰	<p>Lunch time</p>
15 ⁰⁰ - 15 ²⁰	<p>Bezler N.V. Useful properties of indigenous strains of microorganisms in leached black earth (All-Russian Research Institute of Sugar Beet and Sugar, Voronezh, Russia)</p>
15 ²⁰ - 15 ⁴⁰	<p>Klimenko N. N. Assessment of the influence of biopreparations on the yield of grapes Muscat white (Research institute of Agriculture of Crimea, Simferopol)</p>
15 ⁴⁰ - 16 ⁰⁰	<p>Baimiev Al.Kh. Artificial associations of plants and microorganisms (Institute of biochemistry and genetics, Ufa, Russia)</p>
16 ⁰⁰ - 16 ²⁰	<p>Belimov A.A. Mechanisms of adaptation of associative symbiosis of peas with rhizosphere microorganisms to toxic aluminum (All-Russia Research Institute for Agricultural Microbiology, Saint Petersburg Russia)</p>
16 ²⁰ - 16 ⁴⁰	<p>Muratova A.Yu. Effect of <i>A. brasiliense</i> on cadmium accumulation and antioxidant enzymes activity in <i>Sorghum bicolor</i> (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)</p>
16 ⁴⁰ - 17 ⁰⁰	<p>Fedonenko Yu.P. Structure and functions of capsular glycopolymers from nitrogen-fixing bacteria <i>Azospirillum</i> (Institute of Biochemistry and Physiology of Plants and Microorganisms, Russia)</p>
17 ⁴⁰ - 19 ²⁰	<p>Tasting of ethnic cuisine, excursion and poster session in the Institute of biochemistry and genetics</p>

Session «Microbial biotechnology»
 Hall «Ayaz» («Аяз»)
Session moderator Shchyogolev S.Yu.
Co-moderators Kuznetsov V.I., Maksimov I.V.

9 ⁰⁰ - 9 ²⁰	Homyak A.I. The conditions for the cultivation of bacteria antagonists <i>Bacillus subtilis</i> the basis of biopreparations for plant protection (All-Russian Research Institute of Biological Plant Protection, Krasnodar, Russia)
9 ²⁰ - 9 ⁴⁰	Kyzin A.A. Nutrient medium optimization on protein component to cultivate <i>Bacillus subtilis</i> 26D strain (BASHINKOM, Ufa, Russia)
9 ⁴⁰ - 10 ⁰⁰	Morozov V.N. Development of preparations for bioconversion (utilization) of grease-containing waste waters (BASHINKOM, Ufa, Russia)
10 ⁰⁰ - 10 ²⁰	Minligareyeva E.V. The study of growth dynamics and antagonistic activity of the culture <i>Bacillus subtilis</i> 1K strain in periodic homogeneous deep cultivation (BASHINKOM, Ufa, Russia)
10 ²⁰ - 10 ⁴⁰	Yarullina L.G. Stimulation of the cellular mechanisms of virus resistance of potatoes by the action of the drug based on the <i>Bacillus subtilis</i> bacteria (Institute of biochemistry and genetics, Ufa, Russia)
10 ⁴⁰ - 11 ⁰⁰	Kozitsyn A. E. Investigation of the optimal conditions for cultivation of bacteria of the genus <i>Bacillus</i> - producers of biopreparations to reduce the severity of economically significant diseases of fruit crops (All-Russian Research Institute of Biological Plant Protection, Krasnodar, Russia)
11 ⁰⁰ - 11 ²⁰	Coffee break
11 ²⁰ - 11 ⁴⁰	Zykova Yu.N. Cyanobacteria as objects of biotechnology (Vyatka state agricultural Academy, Kirov, Russia)
11 ⁴⁰ - 12 ⁰⁰	Titova J.A. New technologies for obtaining biologics used in plant protection (All-Russian Institute of Plant Protection, Saint Petersburg, Russia)
12 ⁰⁰ - 12 ²⁰	Laktionov Y.V. New aspects of production and application of biopreparation for plant growing (All-Russian Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)
12 ²⁰ - 12 ⁴⁰	Sergeev V.S. Microbiological preparations of the scientific and innovation enterprise BASHINKOM for soil improvement and plant protection (BASHINKOM, Ufa, Russia)
12 ⁴⁰ - 13 ⁰⁰	Melnichuk T.N. Selection of strains of associative bacteria to different plant species (FSBSI «Research Institute of Agriculture of Crimea», Simferopol)
13 ⁰⁰ - 15 ⁰⁰	Lunch time
15 ⁰⁰ - 15 ⁴⁰	Plenary speech Verner A.E. Droplet Digital PCR Fundamentals. Applications in Gene Editing, GMO Quantification, and Pathogen Detection (Helikon)
15 ⁴⁰ - 16 ⁰⁰	Chebotar V.K. Microbial diversity of endophytes from wooden plants as promising biotechnological source for agriculture (All-Russian Research Institute for Agricultural Microbiology, Saint Petersburg, Russia)
16 ⁰⁰ - 16 ²⁰	Petrova O. E. The conception of a multiplicity of adaptive strategies in phytopathogenic bacterium <i>P. atrosepticum</i> (Kazan Institute of Biochemistry and Biophysics, Kazan, Russia)
16 ²⁰ - 16 ⁴⁰	Doolotkeldieva T.D. Rhizosphere microorganisms as the basis of biofertilizers for organic agriculture (Kyrgyz-Turkish Manas University, Plant Protection Department, Bishkek, Kyrgyzstan)
16 ⁴⁰ - 17 ⁰⁰	Malysh Y.M. Technology elements of mass propagation of microsporidia <i>Nosema pyrausta</i> (All-Russian Institute of Plant Protection, Saint Petersburg, Russia)
17 ⁴⁰ - 19 ²⁰	Tasting of ethnic cuisine, excursion and poster session in the Institute of biochemistry and genetics

14th of June, Institute of biochemistry and genetics, Poster session

Presenter	Poster title
Dodd I.	Root-to-shoot signalling of drying soils: fundamental mechanisms and agricultural exploitation
Talat F.	Yield and yield components in Cotton (<i>G. hirsutum</i> L.) cultivars from multivariate statistical analyses point of view
Talat F.	Synonymous codon usage bias in chloroplast genome of <i>Vitis vinifera</i> and two caucasica subspecies of grape fruit
Abdurashytov S.F.	The revealing of arbuscular mycorrhizal fungi in Crimean Steppe
Abdurashytova E.R.	Antagonistic activity of fluorescent <i>Pseudomonas</i> strains to phytopathogenes of genus <i>Fusarium</i>
Avalbaev A.M.	Protective action of humi preparation on wheat plants under the action of salt stress
Antonets K.S.	Amyloid-forming proteins of bacteria of the order <i>Rhizobiales</i> are involved in pathogenesis and plant-microbial interactions
Artyukhin A.E.	Aquaculture and introduction of water caltrop <i>Trapa sibirica</i> Fler. (Lythraceae) in the Republic of Bashkortostan
Arkhipova T.N.	Effect of bacteria titer on the results of biotesting their growth-regulating activity under conditions of heterotrophic plant nutrition
Afonin A.M	Bacterial genetic features determining the strain specificity of <i>Pisum sativum</i> line P61 interaction with <i>Rhizobium leguminosarum</i>
Akhayarova G.R .	Immunobiotechnological approach for differential localization of free cytokinin bases and their ribosylated forms in wheat roots
Bogoutdinova L.R.	Effect of sodium chloride on the anatomical and morphological characteristics of tomato root cells under conditions of salinity <i>in vitro</i>
Bilalova E.G.	Clonal micropagation of citrus of bashkir selection initiation phases
Vasileva E.N.	Cultivated endophytic bacteria from garden pea (<i>Pisum sativum</i> L.)
Vershinina Z.R.	Biofilms of rhizobia in the artificial symbiotic systems
Vladimirova A.A.	Evaluation of conjugative activity in some <i>Rhizobia</i> species
Voitka D.V.	Multifunctional microbial composition action by spring barley cultivation
Volynchikova E.A.	The orchid-associated bacterial communities of <i>Dendrobium moschatum</i> (Buch.-Ham.) Sw. rhizoplane and phylloplane
Gladkov G.V.	Host specificities of microsymbionts relic legumes <i>Vavilovia formosa</i>
Golovina L.A.	Rooting of black currant (<i>Ribes nigrum</i> L.) <i>in vitro</i>
Gorshkov A.P.	Localization of hydrogen peroxide in pea nodules
Grishechkina S.D.	Screening of the <i>Bacillus thuringiensis</i> (Bt) isolates for developing of environmentally friendly biological insecticides
Gubaev R.F.	Complex characterization of plant responses that determine resistance/susceptibility to pectobacteria by means of transcriptome profiling
Gumenko R.S.	Creating new strains of nodules bacteria with modified regulation of nitrogenase complex genes
Gumerova G.R.	Production of transgenic regenerants of tobacco from the hairy roots culture
Davidovich N.A.	Some approaches to the selection of diatoms
Dmitriev A.A.	Expression of genes of <i>F. oxysporum</i> fungus upon infection of flax cultivars with diverse resistance
Yevstigneyeva S.S.	Structural features of glycopolymers of the matrix and the cell surface of <i>Azospirillum halopraefereens</i> Au4 biofilms
Erina N.V.	Microbiocenosis of phyllosphere of some cultivated plants of <i>Grossulariaceae</i> family
Ermolova V.P.	Entomopathogenic microbiological insecticide "Bitoks" for the control of phytophagous pests
Ivanov R.S	Immunobiotechnological approaches in the study of abscisic acid effects on auxin content and lateral root development in ABA deficient mutant of barley
Ivanova E.A.	Organization of <i>E. coli</i> , as basis of the biotechnological bioinformatics, in conception of system of looks of supramolecular chemistry
Kabanova A.P	Phage control of potato bacteriosis caused by the new pathogen <i>Pectobacterium parmentieri</i>
Kazartsev I.A.	Biodiversity and ecological role of the fungi associated with ips typographus in spruce forests stands of the Leningrad region
Karasev E.S.	Polymorphism and evolution of goatskin's rhizobia
Kargapolova K.Yu.	Assessment of growth-stimulating ability of strains of rhizosphere microorganisms concerning potatoes microplants
Karimova L.R.	The role of the MtN5 gene of <i>Medicago truncatula</i> in the formation of legume-rhizobia symbiosis
Kimeklis A.K.	Genetic analysis of rhizobia from three populations of the relic legume <i>Vavilovia formosa</i>
Koryakov I. S.	Evaluation of the plant growth promotion of endophyte bacteria obtained from different varieties of <i>Pisum sativum</i> L
Kryzhko A.V.	Influence of bioinsecticides based on <i>Bacillus thuringiensis</i> on potato leaves pigment and antioxidant complex
Kryuchkova Ye.V.	Effect of glyphosate on Cu(II) uptake by <i>M. sativa</i> Lam. inoculated with <i>E. cloacae</i> complex K7
Kuzakova O.V.	Reaction of the components of the adenylate cyclase signaling system of pea seedlings roots to infecting with differently effective strains of <i>Rhizobium leguminosarum</i> bv.viceae
Kuzina E.V.	Assessment of efficiency of introduction of microbial strains of the genera <i>Paenibacillus</i> and <i>Pseudomonas</i> in a natural ecosystem of legume plant

Kuznetsova I. G.,	Two rhizobial co-microsymbionts isolated from the relic legume <i>Oxytropis popoviana</i> have complementary sets of symbiotic genes and together increase the efficiency of host plant nodulation
Kuluev A.R.	The research of the <i>Triticum sinskajae</i> on the content of DNA markers of immunogenic peptides
Kusakin P.G.	Cytokinin immunolocalization in pea nodules
Lavina A.M.	Transformation of tobacco plants by the pseudohelatin gene pph6
Mazina S.E.	Application of associations of fouling from the entrance areas of karst caves for recultivation
Malovichko Y.V.	Localization of cle peptide receptors in radish storage root and natural tumors
Maslikova T.I.	Characteristic of new strains of nodule bacteria suppressing mutations in the late symbiotic genes of pea (<i>P. sativum</i>)
Melnikova N.V.	Transcriptome of flax plants under unfavorable soil acidity and zinc deficiency
Minibaeva F.V.	Lichen as a ground for symbiosis
Minnebaev L.F.	Phosphorus mobilization by rhizosphere bacteria
Mikhaylova E.V	Prospects for genome editing in <i>Brassicaceae</i>
Miranda Chikurova N.C.	<i>Bacillus subtilis</i> metabolites in modulation of wheat resistance to pathogenic fungi
Musin Kh.G.	Chemical mutagenesis of the hairy roots of <i>Whitania somnifera</i> and <i>Nicotiana tabacum</i>
Mustafina A.N.	About a problem of studying of biological features of rare species of the sort Iris in the Republic of Bashkortostan
Nazarova Y.I.	The ability of the rhizosphere streptomycetes of some Solanaceae to hemagglutination
Nekrashevich N.A.	Evaluation of expression of SIIAA1 and SIIAA9 genes in tomato (<i>Solanum lycopersicum</i> L.) by interaction with <i>Burkholderia</i> sp. 418.
Nizhnikov A.A.	Novel mechanism of protein storage in plant seeds
Nukolova A.Yu.	Prospects of using immobilized on shungite microorganisms of the genus <i>Azotobacter</i> for stimulation of growth and development of plants
Pavlenko O.S.	CG-rich synthetic sequence in the 5' - UTR increases the activity of transcription and translation in plants
Parfirova O.I.	Jasmonate- and salicylate-regulated plant responses during development of typical and latent infection caused by <i>Pectobacterium atrosepticum</i>
Polivanova O.B.	Induction of shoot regeneration from different explant types of Agastache J.Clayton ex Gronov.
Rafikova G.F.	Nitrogenase activity of nitrogen-nitrogen spectrum and its influence on nitrogen content in ground without plants
Rumyantsev S.D.	The role of endophytic bacteria <i>Bacillus subtilis</i> and <i>Bacillus thuringiensis</i> in the induction of systemic resistance of spring wheat to the greenbug aphid <i>Schizaphis graminum</i>
Sadovskaya N.S.,	JetGene – Internet resource for creation and analysis of individual sets of nucleotide sequences
Salimova D. R.	Effect of the composition of the nutrient environment on the metabolic profile of extracts from the culture of different strains of <i>Alternaria japonica</i>
Sarvarova E.R.	Oxycinnamic acids action on colonies growth and on cells reproduction of endophytic <i>Bacillus subtilis</i> bacteria.
Senderskiy I.V.	In vitro propagation of <i>Paranosema locustae</i> as a base for creation of microbiological plant protection formulation against locust
Serbaeva E.R.	Creation a vector construct pJN105Turbo-pph6
Shayakhmetova A.S.	The influence of <i>Bacillus subtilis</i> 10 ⁴ on growth parameters and biochemical stress-tolerance characteristics of bean plants to salinity
Sigida E.N.	Structural studies of the lipopolysaccharides from <i>Azospirillum formosense</i> and <i>Azospirillum fermentarium</i>
Simonova E. O.	Effect of the bacteria strains from permafrost on a number of photosynthesis pigments in seedling of <i>Avena sativa</i> L.
Sulima A.S.	Genetic basis for construction of high-specific symbiotic systems of garden pea (<i>Pisum sativum</i> L.)
Taipova R.M.	Generation of transgenic amaranth plants <i>Amaranthus cruentus</i> with the genetic engineering structure 35S::ARGOS-LIKE
Tyrin A.A.	In silico analysis of 5'-utrs of plant genes
Khafizova G.V.	Whole-genome investigation of the naturally transgenic plant <i>Nicotiana glauca</i> genome
Tsygichko A.A.	Granulovirus of <i>Cydia pomonella</i> apple moth as commercial agent of biological control of a dangerous fruit pest
Tchebotarev L. Y.	Induction of systemic resistance in plants with the help of recombinant harpins
Cherednichenko M.Yu.	Study of the morphogenetic potential in vitro of thyme varieties
Chumakov D.S..	Characteristics of gold nanoparticle size-dependent toxicity using microplate test –system based on using microalga <i>Dunaliella salina</i> as biosensor
Shvets D.Yu.	Molecular genetic analysis of new invasive plant <i>Thladiantha dubia</i> (<i>Cucurbitaceae</i>)
Schmidt K.N.	Development of biopreparation based on <i>Bacillus thuringiensis</i> strain effective against Colorado potato beetle larvae
Shtark O.Y.	Mechanisms of formation and effective functioning of arbuscular mycorrhiza in pea
Yakupova A.B.	Generation of sunflower hairy root cultures with strains A4 and 15834 of <i>Agrobacterium rhizogenes</i>
Iasakov T.R.	The plasmidome of bacteria of the genus <i>Serratia</i> : composition and classification

15th of June, Hotel Tan

Session «Plant biotechnology»
 Hall «Nur» («Hyp»)
Session moderator Khlestkina E.K.
Co-moderators Goldenkova-Pavlova I.V., Deineko E.V.

9⁰⁰ - 9⁴⁰	Plenary speech Goldenkova-Pavlova I.V. Effective expression of heterologous genes in plants: problems and modern approaches to their solution (Institute of Plant Physiology, Moscow, Russia)
9⁴⁰ - 10²⁰	Plenary speech Deineko E.V. Comparative analysis of plant expression systems for the synthesis of recombinant proteins (Institute of cytology and genetics, Novosibirsk, Russia)
10²⁰ - 10⁴⁰	Gusev Yu.S. Analysis of maize DNA methylation genes and modeling of proteins encoded by them (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
10⁴⁰ - 11⁰⁰	Volokhina I.V. Expression of DNA methylation genes in a parthenogenetic maize line (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
11⁰⁰ - 11²⁰	Coffee break
11²⁰ - 11⁴⁰	Leonova I.N. Perspectives of using biotechnological approaches in genetic and pre-breeding studies of common wheat (<i>T. aestivum</i> L.) (Institute of cytology and genetics, Novosibirsk, Russia)
11⁴⁰ - 12⁰⁰	Khaliluev M.R. Transgenic tomato plants (<i>Solanum lycopersicum</i> L.) as experimental models for applied and fundamental research (All-Russia Research Institute of Agricultural Biotechnology, Moscow, Russia)
12⁰⁰ - 12²⁰	Shpakovski G.V. Progesterone and adrenodoxin-like mitochondrial ferredoxins as components of a new steroid hormone regulatory system in higher plants (Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russia)
12²⁰ - 12⁴⁰	Ishmuratova M.Yu. Assessment of viability of shanks of wood plants after cryo freezing (Karaganda State University, Karaganda, Kazakhstan)
12⁴⁰ - 13⁰⁰	Efremova O. S. Usage efficiency of methods of biotechnology and genetic engineering in soybean breeding in Primorsky Krai (Primorsky Scientific Research Institute of Agriculture, Ussuriysk, Russia)
13⁰⁰ - 13⁴⁰	Plenary speech Ilyin A. JEOL transmission electron microscopy for life science (Interactive Corporation, Japan)
13⁴⁰ - 15⁰⁰	Lunch time
15⁰⁰ - 15²⁰	Elkonin L.A. Transgenic sorghum with improved digestibility of endosperm proteins: inheritance and expression of the genetic construct for gamma-kafirin silencing (Agricultural Research Institute for South-East Region, Saratov, Russia)
15²⁰ - 15⁴⁰	Rogozhin E.A. Biotechnology for production of "next-generation" biopesticides based on plant and bacterial antimicrobial peptides (Shemyakin and Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russia)
15⁴⁰ - 16⁰⁰	Farshid Talat Chloroplast DNA sequencing and analysis of three D-Genome cotton species (West Azarbaijan Agricultural and Natural Resources Research and Education Center, Iran)
16⁰⁰ - 16²⁰	Shipunova A.A. Biotechnology in Horticulture and Nursery (Scientific Production Centre of Biotechnology «Fitogenetika», Tula, Russia)
16²⁰ - 16⁴⁰	Coffee break

16 ⁴⁰ - 17 ⁰⁰	Tomilova S.V. The cell culture of <i>Digitalis</i> spp. as a source of cardiac glycosides with antitumor activity (The Lomonosov Moscow State University, Moscow, Russia)
17 ⁰⁰ - 17 ²⁰	Tsavkelova E.A. Orchid seed germination in co-cultures with diverse orchid-associated and plant growth-promoting bacteria (The Lomonosov Moscow State University, Moscow, Russia)
17 ²⁰ - 17 ⁴⁰	Evseeva N.V. Effect of plant-growth-promoting rhizobacteria on potato microclones subjected to osmotic stress in vitro (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
17 ⁴⁰ - 18 ⁰⁰	Burygin G.L. Influence of cellular surface biomacromolecules of associative rhizobacteria on potato microplants in vitro conditions (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
18 ⁰⁰ - 18 ²⁰	Rakhmangulov R.S. Morphogenesis induction of <i>Galanthus woronowii</i> Losinsk. under in vitro conditons (Russian Research Institute of Floriculture and Subtropical Crops, Sochi, Russia)
Session «Microbial biotechnology» Hall «Ayaz» («Аяз») <i>Session moderator</i> Doolotkeldieva T.D. <i>Co-moderators</i> Markova Yu.A., Kamnev A.A.	
9 ⁰⁰ - 9 ²⁰	Berestetskiy A. O. Modern approaches in searching fungal metabolites for control of insect pests (All-Russian Institute of Plant Protection, Saint-Petersburg, Russia)
9 ²⁰ - 9 ⁴⁰	Tokarev Y.S. Technologies of application of microsporidia for control of <i>Orthoptera pestiferous</i> for agriculture (All-Russian Institute of Plant Protection, Saint-Petersburg, Russia)
9 ⁴⁰ - 10 ⁰⁰	Tomilova O.G. Interactions in the system: Potato - <i>Metarhizium robertsii</i> - Colorado beetle (Institute of Systematics and Ecology of Animals, Novosibirsk, Russia)
10 ⁰⁰ - 10 ²⁰	Mohamad Darkazanli Endophytic bacteria from leaves optimization of isolation procedure and growing in different medium (Ural Federal University, Institute of Natural sciences and Mathematics, Department of Experimental Biology and Biotechnologies, Yekaterinburg, Russia)
10 ²⁰ - 10 ⁴⁰	Maksimov I.V. The new strain of <i>Bacillus subtilis</i> 26DCryChS with combines insecticide and fungistatic activities (Institute of biochemistry and genetics, Ufa, Russia)
10 ⁴⁰ - 11 ⁰⁰	Baimiev An.Kh. Modification of nitrogen fixation genes regulation in nodule bacteria (Institute of biochemistry and genetics, Ufa, Russia)
11 ⁰⁰ - 11 ²⁰	Coffee break
11 ²⁰ - 12 ⁰⁰	Plenary speech Garipova S.R. Strategies of precise design of endophyte microbioms in the creation of preparations for plant growing (Bashkir State University, Ufa, Russia)
12 ⁰⁰ - 12 ²⁰	Morits A.S. Biodegradation of aromatic compounds is a possible cause of the influence of <i>Rhizobium leguminosarum</i> bv. <i>viceae</i> on the composition of these compounds in the root exudates of pea plants (<i>Pisum sativum</i> L.) (Siberian Institute of Plant Physiology and Biochemistry, Irkutsk, Russia)
12 ²⁰ - 12 ⁴⁰	Dashkova I.O. Obtaining a pure culture of a new rhizobium strain from soybean nodules, studying its properties (BASHINKOM, Ufa, Russia)
12 ⁴⁰ - 13 ⁰⁰	Kuzmina L.Yu. Bacteria belonging to genera <i>Advenella</i> , <i>Bacillus</i> and <i>Pseudomonas</i> as a promising biopreparations base for horticulture (Ufa Institute of Biology, Ufa, Russia)
13 ⁰⁰ - 15 ⁰⁰	Lunch time
15 ⁰⁰ - 15 ²⁰	Vorobyov N.I. Plant-microbial signaling in the conditions of the magnetic irradiation (All-Russian Research Institute for Agricultural Microbiology, Saint-Petersburg, Russia)

15 ²⁰ - 15 ⁴⁰	Tugarova A.V. Selenium nanoparticles synthesised by the rhizobacterium <i>Azospirillum brasiliense</i> Sp7: investigation using vibrational spectroscopy techniques (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
15 ⁴⁰ - 16 ⁰⁰	Klimenko O.E. Effective plant-microbial interactions of ornamental plants and rhizosphere bacteria (Nikitsky Botanical Gardens, Crimea)
16 ⁰⁰ - 16 ²⁰	Velichko N.S. Structural peculiarities and biological properties of <i>Herbaspirillum seropedicae</i> Z78 lipopolysaccharide (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
16 ²⁰ - 16 ⁴⁰	Coffee break
16 ⁴⁰ - 17 ⁰⁰	Gvildis D.E. Phthalic acid esters suppress plant pathogens ability to produce biofilms and affect bacterial population growth (Siberian Institute of Plant Physiology and Biochemistry, Irkutsk, Russia)
17 ⁰⁰ - 17 ²⁰	Kupryashina M.A. <i>Azospirillum</i> phenol oxidases interactions with host plants (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
17 ²⁰ - 17 ⁴⁰	Pozdnyakova N.N. The degradation of PAHs by non-symbiotic plant-fungal systems (Institute of Biochemistry and Physiology of Plants and Microorganisms, Saratov, Russia)
Conference closing Hall «Tan» («Тан»)	
18 ²⁰ - 19 ⁰⁰	Conference summarizing and closing
20 ⁰⁰ - 03 ⁰⁰	Closing celebration (tickets at the registration desk)
16-17 of June	Post Conference Tours



