

AGRI  TECH



Красноярский
ДНТ ДОМ НАУКИ И ТЕХНИКИ

IOP Conference Series
Earth and Environmental Science

Indexing by :  Scopus
 Compendex  THOMSON REUTERS  IET Inspec



РОССИЙСКИЙ И МЕЖДУНАРОДНЫЙ
СОЮЗ НАУЧНЫХ И ИНЖЕНЕРНЫХ
ОБЩЕСТВЕННЫХ ОБЪЕДИНЕНИЙ



УФИМСКИЙ ГОСУДАРСТВЕННЫЙ
НЕФТЯНОЙ ТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ
ОПОРНЫЙ ВУЗ РОССИЙСКОЙ ФЕДЕРАЦИИ

ПРОГРАММА

VI Международной научной конференции

«Современные агротехнологии, экологический инжиниринг и устойчивое развитие» -

VI International Conference on Advanced Agritechologies, Environmental Engineering and Sustainable Development (AGRITECH-VI-2021), 18-20 ноября 2021 г.

Section 1. Agritechnologies, Agritech Engineering, Policy and Law for Sustainable Environmental Health

Agritech-1001	Spring triticale yield in mixed crops for sustainable development of the environment	G A Mefodyev, A N Alexandrova, M I Yakovleva, L V Eliseeva and L G Shashkarov	Cheboksary Chuvash State Agrarian University
Agritech-1002	Substantiation of application of the order variable submission principle in the bioenergy theory of plant productivity	A S Dorokhov, A P Grishin, A A Grishin, V A Grishin and N A Semenova	Federal Scientific Agroengineering Center VIM, Moscow, Russia
Agritech-1003	Probiotic feed preparations for aquaculture facilities to ensure sustainable development and preservation of species biodiversity	I V Matrosova , E M Panchishina , A A Politaeva and N L Kornienko	Far Eastern State Technical Fisheries University, Vladivostok, Russia
Agritech-1004	Application of a new generation of growth regulators on winter wheat crops in the conditions of the steppe zone of the RNO-Alania	A A Tedeeva, D M Mamiev and V V Tedeeva	Vladikavkaz Scientific Center of the Russian Academy of Sciences, Mikhailovskoye, Republic of North Ossetia-Alania
Agritech-1005	Research on the ecologization of agriculture: improvement of crop rotations and biological soil fertility reproduction systems	O V Nikitina, O V Nagornaya and N V Dolgopolova	Kursk State Agricultural Academy named after I.I. Ivanov, Kursk
Agritech-1006	Results and prospects of introducing cultivated soybeans into crop rotations for sustainable development of the environment	M.I. Yakovleva, G.A. Mefodyev , V.D. Dimitriev, L.V. Eliseeva, L.G. Shashkarov	Federal State Budgetary Educational Institution "Chuvash State Agrarian University"

Agritech-1007	Framing regional innovation and technology policies for transformative change	S V Solodov, I B Mamai and S V Pronichkin	Federal Center of Theoretical and Applied Sociology of Russian Academy of Sciences, Moscow, Russia; Federal Research Center "Computer Science and Control" of Russian Academy of Sciences, Moscow, Russia
Agritech-1008	State regulation of the preservation and sustainable development of rural areas	A V Minenko and P V Vodyasov	Altai State Agricultural University, Barnaul, Russia; Altai State University, Barnaul, Russia
Agritech-1009	The problem of agricultural waste and ways to solve it	A M Agapkin, I A Makhotina, N A Ibragimova, O B Goryunova, A K Izembayeva and S L Kalachev	Plekhanov Russian University of Economics, Moscow, Russia; Almaty Technological University, Almaty, Kazakhstan
Agritech-1010	Improving the efficiency and environmental reliability of water supply facilities using modern reagents	D V Vasiliev, A I Shayakhmetova and I V Ozden	Ufa State Petroleum Technological University, Ufa 450062, Russian Federation. Address: 450062, Russia, Ufa, st. Cosmonauts, 1
Agritech-1011	Support for technical and technological modernization of agribusiness in the Altai Territory	A V Minenko and M V Seliverstov	Federal State Budgetary Educational Institution of Higher Education "Altai State Agricultural University", Barnaul, Russian Federation
Agritech-1012	Personal subsidiary plots as a tool for sustainable development and overcoming the crisis in the agriculture	K Zhichkin, L Zhichkina, Yu Kholopova, O Tolmacheva, B Skrynchenko and V Kudryavtsev	Samara State Agrarian University, Kinel; K.G. Razumovsky Moscow State University of technologies and management, Moscow; Kuban State Technological University, Krasnodar; Institute of Public Administration, Moscow, Russia
Agritech-1013	Features of the heterosis manifestation in monoecious hybrids of cannabis-free hemp and their resistance to adverse environmental conditions	V L Dimitriev, L G Shashkarov, L V Yeliseeva, I P Yeliseev, M I Yakovleva and A V Chernov	Federal State Educational Institution of Higher Education Chuvash State Agrarian University, Cheboksary, Russia

Agritech-1014	The results of the application of the ZetaGel technology at the fields of TPE "Kogalymneftegaz"	N R Yarkeeva and D V Imangulov	Ufa States Petroleum Technological University, Ufa, Russia
Agritech-1015	Studies of the features of vacuum drying of organic-mineral fertilizers	D I Monastyrskiy, M A Kulikova, T A Kolesnikova, Volchek A P	Federal State Budget Educational Institution of Higher Education "Platov South-Russian State Polytechnic University (NPI)»,Novocherkassk, Russia
Agritech-1016	Influence of basic soil tillage on the physical properties of leached chernozem of Western Siberia	V V Rzaeva and D I Eremin	Federal State Budgetary Educational Institution of Higher Education «Northern Trans-Ural State Agricultural University»
Agritech-1017	Development of waste-free production technologies for the food industry	O Ya Kolman, G V Ivanova, M V Glotova and A N Perestoronina	Siberian Federal University, Svobodny prospect, 79, Krasnoyarsk, 660041, Russia
Agritech-1018	Analysis of correlation of agricultural products and number of agricultural enterprises of the Republic of Sakha (Yakutia)	S S Danilova and A I Borisov	Federal State Autonomous Educational Institution of Higher Education "M. K. Ammosov North-Eastern Federal University", Yakutsk, Republic of Sakha (Yakutia), Russia
Agritech-1019	The role of zeolites in increasing the efficiency of fertilizers in the cultivation of agricultural crops and the sustainable development of the environment	I P Eliseev, L V Eliseeva, O A Vasiliev, V L Dimitriev , A G Lozhkin, N A Fadeeva	Federal State Budgetary educational Institution "Chuvash State Agrarian University". 428000. russian federation. Chuvash Republic. Cheboksary. K. Marx street. 29
Agritech-1020	Modern problems and prospects for the agricultural land use development in the Irkutsk region	D R Chernigova and E A Ponamorenko	Irkutsk State Agrarian University named after A. A. Ezhevsky, Molodezhny, Russia

Agritech-1021	Methodology for monitoring soil moisture in systems of double-acting irrigation	K S Semenova and O V Kablukov	Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russia
Agritech-1022	Formation of a stable yield of grain crops in various meteorological conditions in the northern forest-steppe of the Tyumen region	O A Shakhova and L I Yakubyshina	FSBEI HE Trans-Ural SAU, Tyumen
Agritech-1023	The mechanism of regulation of agriculture in the formation of a sustainable food system of Russia	I V Zhuplely, Yu I Schmidt and E P Zadvorneva	Primorskaya State Agricultural Academy, Ussuriisk; Tver State Agricultural Academy, Tver (Sakharovo); All-Russian Scientific Research Institute for Agricultural Economics, Moscow, Russia
Agritech-1024	Environmental safety of the Privolzhsky Federal District: problems and prospects for implementation	O E Gavrilov, S S Ereemeeva, N G Karaganova, A V Kazakov and A V Dimitriev	Chuvash State University named after I.N. Ulyanov, Cheboksary, Russia
Agritech-1025	Legal foundations of agriculture: institutional aspects of sustainable infrastructure development	G G Fastovich, SA Kapsargina	Krasnoyarsk State Agrarian University
Agritech-1026	Ecological safety and effectiveness of the growth regulator Vigor Forte and Agrovin fertilizers in the technology of growing of watermelon	T G Koleboshina , G S Egorova, N B Ryabchikova, A A Okolelova and E E Nefed'eva	Bykovskaya Melon Breeding Experimental Station - branch of the Federal Scientific Centre for Vegetable Growing, Volgograd region, Volgograd region, Bykovsky district, Russia; Volgograd State Agricultural University, Volgograd, Russia; Volgograd State Technical University, Volgograd, Russia; Agro Expert Group, limited liability company, Moscow region, Russia

Agritech-1027	State regulation measures and existing state strategy for the development of petrochemical industry in Russia	G K Gabdullina, G S Mullagayanova, S V Khusainova, I Z Gafiyatov and B D Nygmetova	Kazan National Research Technical University named after A.N. Tupolev-KAI, Naberezhnye Chelny, Russian Federarion; Elabuga Institute of Kazan Federal University, Elabuga, Russian Federarion; Kazan National Research Technical University, Kazan, Russian Federarion; Naberezhnye Chelny State Pedagogical University, Naberezhnye Chelny, Russian Federarion
Agritech-1028	Sustainable development of ecological and economic use of agricultural land and water resources of the Republic of Tajikistan	K A Sodikov, F P Arabov, Kh R Bobohonzoda, K R Asomuddin and <i>SH R Fozilov</i>	Tajik National University. Dushanbe, Republic of Tajikistan. Tajik State Institute of Culture and Arts named after M. Tursunzade. Dushanbe, Republic of Tajikistan. Bokhtar State University named after Nosiri Khusrav
Agritech-1029	Ecological plasticity and stability of spelt wheat samples under Krasnoyarsk forest-steppe conditions	N M Popova	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-1030	Modeling the operation of recuperative ventilation system of cowshed with air-fountain adsorption devices	A D Kamenskih, E M Onuchin, D V Kostromin, A L Simonov and A A Medyakov	Volga State University of Technology, Yoshkar-Ola, Russian Federation
Agritech-1031	Assessment of the effect of a colloidal solution of silver nanoparticles on the sowing quality of seeds	L N Suntsova, V V Keler and D M Sheklein	Siberian State University named after M.F. Reshetneva, Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-1033	Influence of abiotic environmental factors on agricultural technology of barley cultivation in the steppe zone of the Southern Urals	D V Mitrofanov and T A Tkacheva	Federal Research Centre of Biological Systems and Agrotechnologies of the Russian Academy of Sciences; Orenburg State University, Orenburg, Russia

Agritech-1034	Greening of agricultural technologies to increase productivity of agricultural crops on the example of leaf salad culture	T V Zabolotskaya, A V Goncharova, V A Kostylev and A V Shtaufen	Moscow State Academy of Veterinary Medicine and Biotechnology – MVA by K.I. Skryabin
Agritech-1035	Results of competitive testing of potato varieties in the environmental conditions of the Krasnoyarsk forest-steppe	A N Khalipisky, A A Churakov and A M Popova	Krasnoyarsk State Agrarian University, Krasnoyarsk
Agritech-1036	Using the environmental properties of air permeability for designing of clothing fabrics with specified properties	R.I.Orazbaeva, D.N. Kodirova, S.S. Rakhimkhodzhaev and A.B. Djoldasova	Tashkent Institute of Textile and Light Industry, Tashkent, Karakalpak State University, Nukus, Uzbekistan
Agritech-1037	Improving the process of feeder in saw gin stand in order to improve the quality of fiber	Khamid Akhmedkhodjaev and Akmal Umarov	Namangan Engineering Technological Institute, Namangan, Uzbekistan
Agritech-1038	Analysis of the efficiency of the functioning of the cluster mechanism, taking into account the intensification of dairy farming and obtaining competitive dairy products	V V Krupitsyn, A V Kotarev, E I Ryzhkov and O V Larin	Voronezh State Agrarian University, Department of Agrarian Policy of the Voronezh Region, Voronezh, Russia
Agritech-1039	Improving the environmental management system to ensure sustainable development of the agricultural sector in a circular economy	A I Solodovnik, V I Savkin, O V Sidirenko, E V Buraeva, A I Bogachev	Orel State Agrarian University named after N.V. Parakhin
Agritech-1040	Technical innovations in providing competitive development of agricultural production (on the example of potato farming)	T S Kravchenko, Yu V Bukhvostov, E S Mikhaleva, I V Minakova and T N Bukreeva	Orel State Agrarian University named after N.V. Parakhin, Orel; Southwest State University, Kursk, Russia

Agritech-1041	Formation of stable agrocenoses of corn hybrids in a sharply continental climate	V S Litvinova, V.L. Bopp, R.R. Galeev, A.E. Smirnov, D.D. Petrov	FSBEI HE Krasnoyarsk State Agrarian University FSBEI HE Novosibirsk State Agricultural University Krasnoyarsk Research Institute of Agriculture - a separate subdivision of the Krasnoyarsk Research Center Krasnoyarsk Scientific Center of the Siberian Branch of the Russian Academy of Sciences
Agritech-1042	Development of energy- and resource-saving construction and substantiation of parameters of compound cam batten mechanism of the loom	Shavkat Madrakhimov, Anvar Juraev, Aibek Mavlyanov, Shavkat Khudaykulov and Ibragim Ulukhanov	Tashkent Institute of Textile and Light Industry, Tashkent, Namangan Engineering-Constructional Institute, Namangan, Uzbekistan
Agritech-1043	Development of design and substantiation of parameters of fiber material cleaner with a drum with combined pegs	A.Djuraev, A. Zukhritdinov, O. Rajabov and J. Kholmiraev	Tashkent Institute of Textile and Light Industry, Tashkent, Bukhara Engineering Technological Institute, Bukhara, Uzbekistan
Agritech-1044	Varietal agrotechnics of perennial grasses in the climate of Central Siberia	Alexey G Lipshin	Krasnoyarsk Research Institute of Agriculture - a separate subdivision of the federal state budgetary scientific institution "Federal Research Center" Krasnoyarsk Scientific Center of the Siberian Branch of the Russian Academy of Sciences "(Krasnoyarsk Research Institute of Agriculture), Krasnoyarsk, Russia
Agritech-1045	Land as an object of the environment (trends in public and legal policy development)	V V Safronov	Reshetnev Siberian State University of Science and Technology
Agritech-1046	Efficiency of agrotechnical methods of cultivation of soybean for grain in different ecological zones of Western Siberia	R R Galeev, D D Petrov and A E Smirnov	Novosibirsk State Agrarian University, Novosibirsk, Russia

Agritech-1047	Testing a new separator installation under an ecology survey to obtain production results	Orifjon Mamatqulov and Durbek Abdujalilov	Namangan Engineering-Technological Institute, Namangan, Uzbekistan
Agritech-1048	Effect of tillage on the content of nitrate nitrogen in the arable layer and the yield of spring wheat	V N Romanov, N S Kozulina and A V Vasilenko	Krasnoyarsk Scientific Research Institute of Agriculture, a separate subdivision of the Federal Research Center "Krasnoyarsk Research Center of the Siberian Branch of the Russian Academy of Sciences", Krasnoyarsk, Russia
Agritech-1049	Research of the shaft of the new light-load saw cylinder wall	Jamoliddin Ergashev, Asilbek Mirzaumidov, Ulugbek Khaydarov and Jakhongir Sharipov	Namangan Engineering Technological Institute, Namangan Institute of Civil Engineering, Namangan, Uzbekistan
Agritech-1050	The effect of natural salt with herbicidal activity on the agrochemical properties of soil and Cirsium Arvense	O A Ulyanova, N L Kurachenko and O A Vlasenko	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-1051	Application of granulated mineral fertilizers synchronized with sowing of sugar beet seeds: innovative approach	D N Igoshin	Nizhny Novgorod State Engineering and Economic University
Agritech-1052	Assessment of export potential of the Russian agro-industrial complex	G K Dzhancharova, R H Ilyasov and V M Romadikova	Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia Chechen State University, Grozny, Russia Kalmyk State University named after B.B. Gorodovikova, Elista, Kalmykia, Russia
Agritech-1053	"Green" funding of new eco-technological trends development	G V Fedotova, Yu N Nesterenko and E M Magomadov	Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd, Russia, Plekhanov Russian University of Economics, Moscow, Moscow State University and Economics, Moscow,

			Kadyrov Chechen State University, Grozny, Russia
Agritech-1054	Strategic priorities for sustainable development of the agro-industrial complex in the Arctic zone of Russia	N.E. Buletova, M.A. Romanuk, N.V. Chekmareva and G.V. Timofeeva	Department of Management of Institute of Economics and Management in Agribusiness Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russia Department of Public Sector Economy and Finance, Faculty of State Audit - Russian Presidential Academy of National Economy and Public Administration, Moscow, Russia

Section 2. Innovative Development of Sustainable Systems of Agrarian-and-Food Production

Agritech-2001	Ensuring the environmental safety of food when using biological products in the protection of cabbage agrocenosis	A K Apazhev, Y A Shekikhachev, L M Hazhmetov, E N Didanova and Kh G Kurzhiiev	Kabardino-Balkarian state agricultural university named after V.M. Kokov, Nalchik, Russia; Branch of the FSBI "Rosselkhoztsentr" in the Kabardino-Balkarian Republic, Nalchik, Russia
Agritech-2002	The role of morphological adaptation and variability of potato varieties in plants photosynthetic apparatus formation	A V Shitikova, A A Abiala and A V Povarnitsyna	Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russian Federation
Agritech-2003	Suitability of primocane-fruited raspberry varieties for cultivation in the extended cycle in the Southern Cisbaikalia growing conditions	M A Rachenko, E N Kiseleva, L E Kamyshova and A M Rachenko	Siberian Institute of Plant Physiology and Biochemistry of the Siberian Branch of the Russian Academy of Sciences, Irkutsk, Russia; Irkutsk State Agrarian University named after A.A. Ezhevsky, Molodezhny, Russia
Agritech-2004	Effects of shell disinfection with polyhexamethylene guanidine chloride on the safety and quality characteristics of edible eggs	S S Kozak, V G Semenov, V G Tyurin, K N Biryukov, V V Boronin	All-Russian Scientific Research Institute of the Poultry Industry – branch of the Federal State Budgetary Scientific Institution of the Federal Scientific Center «All-Russian Research and Technology Institute of Poultry Farming of the Russian Academy of Sciences», Rzhavki; Chuvash State Agrarian University, Cheboksary; Federal State Budget Scientific Institution "Federal Scientific Centre VIEV" (FSC VIEV), Moscow; Moscow State Academy of Veterinary Medicine and Biotechnology named after K.I.Skryabin, Moscow, Russia
Agritech-2005	Technological indicators of winter wheat grain and flour, depending on the duration of germination	D V Vinogradov and T V Zubkova	Ryazan State Agrotechnological University Named after P.A. Kostychev, Ryazan, Russia; Bunin Yelets State, Yelets, Russia.

Agritech-2006	The quality of potato tubers and yield by using fertilizer systems	G A Demidenko, O V Turygina and O V Martynova	Krasnoyarsk state agrarian University;Krasnoyarsk State Pedagogical University named after V. P. Astafiev, Krasnoyarsk, Russia
Agritech-2007	Screening of soil activity in different ecological systems	I N Lykov and V S Sukhanova	Kaluga State University named after K E Tsiolkovsky, Kaluga, Russia
Agritech-2008	Sustainable development of organic farming like innovation element in the system of food security of the region	Irina Kovaleva Margarita Kudinova Natalya Shevchuk and Elena Uvarova	Atai State Agricultural University, Barnaul, Russia
Agritech-2009	Development of sustainable systems of food production of chopped semi-finished products	Y A Alekseeva, T A Khoroshailo, K N Bachinina and A A Martemyanova	Irkutsk State Agricultural University named after A.A. Ezhevsky, Irkutsk;Kuban State Agrarian University named after I.T. Trubilin,Krasnodar, Russia
Agritech-2010	Quality control system based on the HACCP principles for safety production process of toppling bread	A A Odintsova and N I Dunchenko	RSAU-MTAA named after K.A.Timiryazev
Agritech-2011	Intellectual assessment of staff sufficiency for innovative development of the sustainable regional agro-industrial complex	V A Lomazov, D Y Evsyukov, V A Lomazova, Y E Prokushev and E V Nesterova	Belgorod State Agricultural University named after V. Gorin, Mayskiy, Russia; Belgorod State National Research University, Belgorod, Russia; Plekhanov Russian University of Economics, Moscow, Russia
Agritech-2012	Collective intellectual property as a tool for the development of agro-industrial integration	D G Galkin	Atai State Agricultural University, Barnaul, Russia

Agritech-2013	Ranking of the assortment of Russian-made cognacs using ABC analysis	G N Temasova, O A Leonov, N Zh Shkaruba, Yu G Vergazova and P V Golinitkiy	Department of Metrology, Standardization and Quality Management, Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russia
Agritech-2014	Estimation of the food supply level for the population: regional and climatic aspects	A A Kolesnyak, M V Namkhanova, N M Polyanskaya, E B Naydanova and E I Kovalenko	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia; Sevastopol State University, Sevastopol, Russia; Banzarov Buryat State University, Ulan-Ude, Russia; East Siberia State University of Technology and Management, Ulan-Ude, Russia
Agritech-2015	Comprehensive assessment of promising soybean lines of the Northern ecotype for cultivation in a mixture with corn	I Nikiforova, I Ivanova and A Fadeev	Federal Agricultural Research Center of the North-East named N. V. Rudnitskogo, Kirov, Russia
Agritech-2016	The influence of high frequency electromagnetic field on the growth of lactic acid bacteria used in the food industry	A Yu Krynitskaya, M V Kharina, E V Petukhova, Z A Kanarskaya and M N Meshcheryakova	Kazan National Research Technological University; Kazan Institute of Biochemistry and Biophysics, FRC Kazan Scientific Center of RAS, Kazan, Russia
Agritech-2017	Supportable development of agriculture local market in the condition organic farming	Irina V. Kovaleva Sergey A. Denisov Nikolay A.Ivanov and Irina A. Marusenko	Atai State Agricultural University Barnaul Russia; Atai State Technical University, Barnaul, Russia
Agritech-2018	The current state and trends in the sustainable development of agriculture in the Republic of Buryatia	Antonina A Kolesnyak, Erzhena B Naydanova, Natalya M Polyanskaya, Nadezhda V Shobdoeva and Natalya P Fedotova	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia; East Siberia State University of Technology and Management, Ulan-Ude, Russia; Banzarov Buryat State University, Ulan-Ude, Russia; Buryat State Agricultural Academy, Ulan-Ude, Russia; Buryat Forestry College, Ulan-Ude, Russia

Agritech-2019	Environmental research of mineral and vitamin composition of vegetable raw materials	E D Polyakova, O V Safronova, O V Evdokimova, A V Pavlikova, T M Blinkova and L V Strelnikova	Orel State University named after I S Turgenev, Orel state Agrarian University named after N V Parakhin, Orel, Russia
Agritech-2020	Features of innovative development for sustainable systems of food production in terms of creating trophological components in poultry farming	N P Shevchenko, R F Kapustin, A I Shevchenko, A F Dorofeev, S P Voronin	Belgorod State Agricultural University named after V J Gorin, Maiskii, Russia, AO Bioamid, Saratov, Russia
Agritech-2021	Development of sustainable systems of food production using spirulina platensis dairy technology as a functional filler	O V Safronova, E D Polyakova, O V Evdokimova, E N Demina, T N Lazareva and O A Petrova	Orel State University named after I S Turgenev, Orel state Agrarian University named after N V Parakhin, Orel, Russia
Agritech-2022	Environmental safety of a humin-based formulation and its impact on crop output both in quantity and quality	A A Sergeeva, G A Gasimova, V G Semenov, D F Valiullina, O A Yakimov, M K Gainullina, G S Frolov, A R Kashaeva, D V Aksakov	Kazan State Academy of Veterinary Medicine named after N.E. Bauman, Kazan; Chuvash State Agricultural Academy, Cheboksary, Russia
Agritech-2023	Decrease of the negative impact on environment of protectants of seed which contain tebuconazole and prochloraz for sustainable agricultural development	E E Nefed'eva, O V Kolotova, I V Mogilevskaya, V F Zheltobriukhov, E A Saneeva	Volgograd State Technical University, Volgograd, Russia; Agro Expert Group, Moscow region, Russia
Agritech-2024	Impact of the competitive potential of fortified dairy products on ensuring the sustainability of promising food systems	A P Simonenkova, E N Demina, O N Luneva, T S Bychkova and N A Ilukhina	FSBEI of Higher Education Oryol State University named after I.S. Turgenev", Oryol, Russian Federation; FSBEI of Higher Education
Agritech-2025	Justification of recipe-component solutions in the production of dietary biscuit	E A Pyanikova, A E Kovaleva, O V Evdokimova and I V Butenko	Southwest State University, Kursk; Orel State Agrarian University named after N V Parakhin, Orel

Agritech-2026	Geographical indications as a tool for increasing the sustainability of the development of agricultural regions	I N Pospelova	Altai State Agricultural University, Barnaul, Russia
Agritech-2027	New fruit and vegetable sauces with functional properties	Nasullo Kuliev	Bukhara Engineering Technological Institute, Bukhara, Uzbekistan
Agritech-2028	Effect of duration of extrusion on the water and protein content in textured grain	M A Yanova, S V Khizhnyak, E Ya Muchkina, A V Sharopatova and I V Fedorovich	Krasnoyarsk State Agrarian University, Krasnoyarsk; Siberian Federal University, Krasnoyarsk, Russia
Agritech-2029	Ecological and raw material aspects of the production of fermented milk drinks	YA Alekseeva, TA Khoroshailo, AA Brichagina and OV Svitenko	Irkutsk State Agricultural University named after A.A. Ezhevsky, Irkutsk; 2State Agrarian University named after I.T. Trubilin, Krasnodar, Russia
Agritech-2030	Resource-saving perspectives of using sunflower stalks for the development of functional foods	N A Korshunova, P E Balanov, I V Smotraeva and O B Ivanchenko	ITMO University; Peter the Great St.Petersburg Polytechnic University (SPbPU), Saint Petersburg, Russia
Agritech-2031	Innovative technology of food concentrates in the context of the development of a sustainable food system	O V Skripko	Amur State University, Blagoveshchensk, Russia
Agritech-2032	Environmental oriented measurement of grain temperature in the fluidized bed	A Volzhentsev, R Bulavintsev, S Golovin, A Sevostyanov, A Polohin, A Kozlov and A Zvekov	Orel State Agrarian University named after N.V. Parakhin, Orel, Russia

Agritech-2033	Sustainable cluster interaction models of agro-industrial sector`s subjects in the Russian Federation regions: food security	I R Ruiga, Z A Vasilyeva, E S Kovzunova, N A Durnovo and N N Danilova	Siberian Federal University, Krasnoyarsk, Russia
Agritech-2034	Sustainable development of antler reindeer husbandry production in Russia	A V Rozhkova and E V Stepanova	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-2035	Ensuring the environmental safety of milk production through the use of non-traditional feed	V F Radchikov, T L Sapsaleva, G V Besarab, M I Slozhenkina, A A Mosolov and I F Gorlov	1 Scientific and Practical Center of the National Academy of Sciences Belarus on animal husbandry, 222163, Frunze str., 11, Zhodino, Belarus 2 Volga Region Research Institute of Manufacture and Processing of Meat-And-Milk Production, 6, Rokossovsky's street, Volgograd 400131, Russian Federation
Agritech-2036	Global triggers of reduced resilience of national food security	G K Dzhancharova, G V Fedotova, Yu A Kapustina, Yu I Sigidov, A V Suhinin, B K Bolaev and I S Larionova	Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia, Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd, Russia, Plekhanov Russian University of Economics, Moscow, Ural State Forest Engineering University, Yekaterinburg, Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Kalmyk State University named after B.B. Gorodovikova, Elista, Kalmykia
Agritech-2037	Vegetable oils in dairy production: perspectives, food safety and guarantee of sustainable development of the food system	S A Surkova, M I Slozhenkina, I F Gorlov, N I Mosolova, N A Tkachenkova and J D Grebennikova	Volga Region Research Institute of Manufacture and Processing of Meat-And-Milk Production, Volgograd, Russia Kalmyk State University named after B. B. Gorodovikov, Elista, Russia

Agritech-2038	Expansion of the assortment of food: development of new types of canned food	D A Skachkov, Yu V Ukrainets, D N Pilipenko, L F Obrushnikova, A N Sivko and M I Slozhenkina	Volgograd State Technical University, Volgograd, Russia, Volga Region Scientific Research Institute of Meat-and-Milk Production and Processing, Volgograd, Russia
Agritech-2039	Green technologies to form a comfortable living environment	Yu I Sigidov, G K Dzhancharova, Yu A Kozenko, T Ev Kozenko, A A Khudayberdiev, G L Rubeko and N V Tsuglaeva	Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Volgograd State University, Volgograd, Volgograd State Medical University, Volgograd, Kalmyk State University named after B.B. Gorodovikova, Elista, Kalmykia, Russia
Agritech-2040	Problems of processing milk whey as universal agricultural raw material and some ways to solve them	Andrey G Khramtsov, Aleksander A Borisenko, Dmitry N Volodin, Aleksey A Borisenko and Ludmila A Borisenko	North-Caucasus Federal University, Stavropol, Russian Federation DMP LLC, Stavropol, Russian Federation
Agritech-2042	A new approach to sustainable pork production through the use of innovations in feeding	D V Nikolaev, M I Slozhenkina, I F Gorlov, G V Komlatsky, V A Velichko, and Yu V Danilov	Volga Region Scientific Research Institute of Meat-and-Milk Production and Processing, Volgograd, Volgograd State Technical University, Volgograd, Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia
Agritech-2043	Production of specialized protein dairy products	O P Serova, N S Razdolgina, R A Romazanov, N O Zhigalova, N I Mosolova and G V Fedotova	Volgograd State Technical University, Volgograd, Russian Federation Volga Region Research Institute of Manufacture and Processing of Meat-And-Milk Production, Volgograd, Russian Federation
Agritech-2044	A promising direction for the production of dairy products using innovative feeding technologies	M I Slozhenkina, I F Gorlov, D V Nikolaev, A A Mosolov, N I Mosolova and S A Surkova	Volga Region Research Institute of Manufacture and Processing of Meat-And-Milk Production, Volgograd, Russia

Agritech-2045	Impact of livestock production technology on ecology and environmental quality	I V Tserenov, A A Mosolov, M I Slozenkina, A A Buhtin, A M Fedotova, N I Mosolova and and Z Yu Yuldashbaeva	Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd, Volgograd Regional Clinical Perinatal Center No. 1 named after L. I. Ushakova, Russia, Volgograd State Medical University, Russia, Volgograd
Agritech-2046	Ensuring environmental safety of goat milk production based on the integration of innovations in feeding	A A Mosolov, I F Gorlov, D V Nikolaev, M I Slozhenkina, O V Kudryashova, M O Vasilyeva	Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd, Research Institute of Pediatric Nutrition, a branch of the Federal State Budgetary Scientific Research «Center of Nutrition and Biotechnology», Russia,
Agritech-2049	Environmentally friendly raw materials for the production of a dietary product	V N Khramova, S E Bozhkova, D A Skachkov, A M Sinelnik, Ya I Khramova K A Lubchinsky and Yu D Danilov	Volgograd State Technical University, Volga Region Research Institute of Manufacture and Processing of Meat-And-Milk Production, Volgograd, Russian Federation
Agritech-2050	Ensuring the stability of milk production based on an individual approach to feeding lactating cows	S A Sukova, T N Barmina, M I Slozhenkina, I F Gorlov, A A Kaidulina, M V Frolova and A K Natyrov	Volga Region Research Institute of Manufacture and Processing of Meat-And-Milk Production, Volgograd, Russia Kalmyk State University named after B. B. Gorodovikov, Elista, Russia
Agritech-2051	Producing of ecologically safe food raw materials based on new system of calf rearing	V F Radchikov, T L Sapsaleva, G V Besarab, M I Slozhenkina, A A Mosolov and I F Gorlov	Scientific and Practical Center of the National Academy of Sciences Belarus on animal husbandry, Zhodino, Belarus Volga Region Research Institute of Manufacture and Processing of Meat-And-Milk Production, Volgograd, Russian Federation
Agritech-2052	The effect of environmental conditions on cold technologies in husbandry	M I Slozhenkina, I F Gorlov, V I Komlatsky, N I Mosolova, V A Baranikov and D A Mosolova	Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd, Russia Kuban State Agrarian University named after I. T. Trubilin, Krasnodar, Russia Don State Agrarian University, Persianovsky, Rostov-on-Don, Russia

Agritech-2053	Making broiler meat sustainable: optimizing feeding	I R Tletseruk, N A Yurina and D A Yurin, A A Mosolov, I F Gorlov and E A Romanenko	Maikop State Technological University, Maykop, Republic of Adygeya, Russian Federation Krasnodar Research Centre for Animal Husbandry and Veterinary Medicine, Krasnodar, Russian Federation Federal State Budgetary Educational Institution of Higher Education "Kuban State Agrarian University named after I.T. Trubilin", Krasnodar, Russian Federation
Agritech-2054	Ensuring efficiency in broiler meat production with a set of innovative approaches to poultry feeding	I R Tletseruk, N A Yurina and D A Yurin, I F Gorlov, M I Slozhenkina, E A Romanenko and A A Mosolov	Maikop State Technological University, Maykop, Republic of Adygeya, Russian Federation Krasnodar Research Centre for Animal Husbandry and Veterinary Medicine, Krasnodar, Russian Federation Federal State Budgetary Educational Institution of Higher Education "Kuban State Agrarian University named after I.T. Trubilin", Krasnodar, Russian Federation Volga Region Research Institute of Manufacture and Processing of Meat-And-Milk Production, 6, Rokossovsky's street, Volgograd 400131, Russian Federation
Agritech-2055	Ensuring a sustainable milk production system with rational use of feed	E G Chuprina, D A Yurin, N A Yurina, G V Fedotova, A A Slozhenkina and I F Gorlov	Krasnodar Research Centre for Animal Husbandry and Veterinary Medicine, Krasnodar, Russian Federation Federal State Budgetary Educational Institution of Higher Education "Kuban State Agrarian University named after I.T. Trubilin", Krasnodar, Russian Federation Volga Research Institute of Production and processing of meat and dairy products, 6, Rokossovsky street, Volgograd, Russia
Agritech-2056	A new type of dairy product: prospects of using environmentally friendly raw materials in the technology	A A Slozhenkina, N I Mosolova, I F Gorlov, N A Tkachenkova, O Yu Mishina, I S Semenova, A M Fedotova and T N Barmina	Volga region research institute of manufacture and processing of meat-and-milk production, Volgograd, Russia Volgograd State Agricultural University, Volgograd, Russia

Agritech-2057	Alternative protein source: prospects for application in the food system	V N Khramova, A D Timofeeva, Ya I Khramova, K A Lubchinsky, V A Eviev, M I Slozhenkina and O A Knyazhechenko	Volgograd State Technical University, Volgograd, Russia Kalmyk State University named after B.B. Gorodovikov, Elista, Russian Federation Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd
Agritech-2058	Apicultural products, environmentally friendly due to organic extra nutrition	O V Strelbitskaya, G V Komlatsky, I V Tserenov, M I Slozhenkina, A A Mosolov and I F Gorlov	Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd, Russia Kuban State Agrarian University named after I. T. Trubilin, Krasnodar, Russia
Agritech-2059	Increasing the shelf life of meat products as the key to ensuring food safety	P S Kobylatsky, M I Slozhenkina, V A Karatunov, I F Gorlov, A S Miroshnik, A A Kaidulina and Yu D Grebennikova	Don State Agrarian University, Persianovsky, Rostov region, Russia Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd, Russia Kuban State Agrarian University, Krasnodar, Russia
Agritech-2060	The potential of using electrochemically activated water on meat systems	S E Bozhkova , O V Gavrilova , A R Nichiporova , I F Gorlov, M I Slozhenkina, A S Miroshnik and Yu D Danilov	Volga Region Research Institute of Manufacture and Processing of Meat-and-Milk Production, Volgograd, Russian Federation Volgograd State Technical University, Volgograd, Russian Federation

Section 3. Information Technologies, Automation Engineering and Digitization of Agriculture

Agritech-3001	An example of intelligent greenhousing synthesis based on modern digital systems, neuro-fuzzy technologies and IoT	V D Munister, A L Zolkin, M G Grigoriev, A S Bityutskiy and A M Kuzmin	Mariupol State University, Mariupol; State educational institution of higher professional education "Donetsk National Technical University", Pokrovsk, Donetsk region, Ukraine; Povolzhskiy State University of Telecommunications and Informatics, Samara; OPTIMUM LLC, Moscow, Russia; "Invent Technology" LLP, Almaty, Kazakhstan; National Research Mordovia State University, Saransk, Russia
Agritech-3002	Applying of smart, robotic systems and big data processing in agro-industrial complex	E V Matvienko, A L Zolkin, D K Suchkov, I A Shichkin and V V Pomazanov	Volga NIISS - branch of the Samara Scientific Center of the Russian Academy of Sciences, Ust-Kinelskiy, Samara region; Povolzhskiy State University of Telecommunications and Informatics, Samara; Mytishchi Branch of Federal State Budget Educational Institution of Higher Education „Moscow State University of Civil Engineering (National Research University)“, Mytishchi, Moscow Region; Plekhanov Russian University of Economics, Moscow; Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia
Agritech-3003	Problems of the formation of resource-saving and environmentally oriented system "Agricultural recycling" in the agro-industrial complex	V A Denisov, Yu V Kataev, V S Gerasimov, Z N Mishina and A F Ilmukhametov	Federal Scientific Agroengineering Center VIM, Moscow, Russia
Agritech-3004	Models of uncertainty in the framework of compartment-cluster theory for research of instability biosystems	V A Galkin, T V Gavrilenko, G V Gazya and M A Filatov	FGU "Federal Research Center Scientific Research Institute of System Research of the Russian Academy of Sciences", separate subdivision "FSC NIISI RAS" in Surgut, Surgut, Russia; BU VO KhMAO-Yugra "Surgut State University", Surgut, Russia

Agritech-3005	Reengineering of agricultural production based on digital technologies	Sergey Yekimov, Oksana Prodius, Tetiana Chelombitko, Anastasiia Poltorak, Natalia Sirenko, Alla Dudnyk and Vladimir Chernyak	Oles Honchar Dnipro National University Dnipro, Ukraine
Agritech-3006	Taking into account terrain slopes when constructing optimized trajectories of agricultural machinery	V P Philippov, V V Alekseev and S A Vasiliev	Chuvash State University, Cheboksary, Russia
Agritech-3007	Mechatronic module design of the control system of the braking mechanism and the clutch for transport and technological vehicles	S A Vasilyev, S A Mishin, S E Limonov and O A Nadezhdina	Chuvash State University, Cheboksary, Russia
Agritech-3008	A regional outlook on state policy stimulating introduction of innovative technologies in agriculture	E A Letyagina	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-3009	Agricultural robots for fruit harvesting in horticulture application	N N Barbashov, S V Shanygin and A A Barkova	Bauman Moscow State Technical University, Moscow, Russia
Agritech-3010	Development of an analytics module for a monitoring system for landscaping objects	A A Popov, E V Avdeeva, M R Emomaliev and A K Ovsyankin	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, prospect "Krasnoyarsky rabochy" 31, Russia
Agritech-3011	Eco-engineering approach for color image processing determination of the number of hydrobionts and eggs on a flat surface	B Kh Tazmееv and V V Tsybulevsky	Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia

Agritech-3012	Simulation modeling for sustainable development of production activities of an agricultural enterprise under risk conditions	I V Zhuplev	Primorskaya State Agricultural Academy, Ussuriisk, Russia
Agritech-3013	Artificial intelligence technologies in the agro-industrial complex: opportunities and threats	A V Rozhkova and S E Rozhkov	Krasnoyarsk State Agrarian University, Siberian Federal University, Krasnoyarsk, Russia
Agritech-3014	Impediments to the digitalization of agriculture in Africa	N G Gavrilova	The Institute for African Studies (IAS), Moscow, Russia
Agritech-3015	Methodology for automated classification of farmland based on Earth remote sensing data	O A Antamoshkin, O A Antamoshkina, E R Bryukhanova, A O Stupin and N V Kamenskaya	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia; Siberian Federal University, Krasnoyarsk, Russia; Reshetnev University, Krasnoyarsk, Russia
Agritech-3016	Control of phyto-radiator energy flows in artificial lighting of sustainable agriculture	P P Dolgikh, S V Trepuz, E N Oleinikova, A A Churakov, and E Yu Solokhina	Krasnoyarsk state agrarian university, Krasnoyarsk, Russia
Agritech-3017	Modeling of Internet of things for sustainable agricultural systems development on the base of different approaches	I Ya Lvovich, Ya E Lvovich, A P Preobrazhenskiy, Yu P Preobrazhenskiy	Voronezh institute of high technologies, Voronezh state technical university
Agritech-3018	The main trends of digitalization in agriculture	O A Nezamova and J A Olentsova	Krasnoyarsk State Agrarian University, Russia, Krasnoyarsk

Agritech-3019	Features of the choice of information technologies for the development of agriculture	A D Kuznetsov, A O Rada, A E Timofeev, O I Nikitina and M A Osintseva	Kemerovo State University
Agritech-3020	Intelligent complex of monitoring and diagnostics of grape plantations	P N Kuznetsov, D Y Kotelnikov, V Y Shchekin, A D Koltsov and E N Kabankova	Sevastopol State University, Sevastopol, Russia
Agritech-3021	New technology of pre-treating processing of grain crops seeds by protective-incentive means	E G Nurullin, I R Zainutdinov	Kazan State Agrarian University, Kazan State Power Engineering University

Section 4. Environmental Engineering, Mining and Soil Treatment Technology

Agritech-4001	The direction of the chernozem soils evolution under the influence of agrogenic effects	Yu V Aksenova	Omsk State Agrarian University, Omsk, Russia
Agritech-4002	Ecoengineering techniques to investigate soil moisture dynamics and localized dry spots distribution on golf courses	S V Tazina , I I Tazin and M Novolodskaya	Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russia; Skolkovo Golf Club Ltd., Moscow, Russia
Agritech-4003	Analysis of the fractional composition of coal dust and its effect on the explosion hazard of the air in coal mines	V. Rodionov, M. Tumanov, I. Skripnick, T. Kaverzneva and K. Pshenichnaya	Saint Petersburg Mining University, Saint Petersburg, Saint Petersburg University of the State Fire Service of the Ministry of Emergency Situations of Russia, Saint Petersburg, 3Peter the Great St. Petersburg Polytechnic University, Saint Petersburg, State Marine Technical University of Saint-Petersburg, Saint Petersburg
Agritech-4004	The dynamics of forest fires and their impact on the environment	A M Gazizov , A B Sagitova and M I Sharafutdinov	Ufa State Petroleum Technological University, Ufa, Russia; Ural State Forest Engineering University, Yekaterinburg, Russia; Ministry of Forestry of the Republic of Bashkortostan, Ufa, Russia
Agritech-4005	Approaches to the selection of measures to ensure the safety of closed landfills for the disposal of solid municipal waste	T G Sereda, E N Elancheva, S N Kostarev, Y A Kochinov and T V Kochinova	Perm State Agro-Technological University named after Academician D N Pryanishnikov; LLC Nauka i praktika; Perm Military Institute of National Guard Troops of the Russian Federation; Perm National Research Polytechnic University; Perm Institute of the FPS of Russia, Perm, Russia

Agritech-4006	Analysis of innovative ways to eliminate forest fires in order to minimize environmental damage	A M Gazizov, E V Popova and R R Yangirova	Ufa State Petroleum Technical University
Agritech-4007	Rock mass and Earth's surface movement during underground working of cryolithozone placers	V S Markov	North-eastern federal university, Yakutsk, Russia
Agritech-4008	Prevention of sulfuric acid pollution: intensification of metal leaching with organic acids	T N Abashina, A A Yachkula and M B Vainshtein	Federal Research Center «Pushchino Scientific Center for Biological Research of the Russian Academy of Sciences», G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms RAS, prospect Nauki 5, Pushchino, 142290 Russian Federation
Agritech-4009	Variant Analysis of Measurement Components in Environmental Engineering	V P Evstigneev, P N Kuznetsov, D Y Voronin and V A Naumova	Sevastopol State University
Agritech-4010	Direct effect and aftereffect of sapropel on agricultural crops yield and agrochemical properties of light grey forest soil	O A Vasiliev, O E Andreeva, A O Vasiliev, A N Ilyin, A G Lozhkin, I P Eliseev and N A Fadeeva	Federal State Budgetary Educational Institution of Higher Education Chuvash State Agrarian University
Agritech-4011	The influence of processing technologies on the differentiation of soil layers by the content of mobile components of organic matter	A A Belousov, E N Belousova and E V Stepanova	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-4012	Environmental problems of development and population safety in natural environment of Voronezh region	A E Krupko, R E Rogozina, M V Derevyagina, L V Shulgina and A V Shulgin	Voronezh State University, Voronezh, Russia; Voronezh State Technical University, Voronezh, Russia

Agritech-4013	The influence of soil acid-base properties on the species diversity of the genus <i>Leccinum</i> and the accumulation of cesium-137 by fruit bodies	D M Ivanov	Saint Petersburg State University of Civil Aviation, Saint Petersburg, Pilots street, 38, 196210, Russia
Agritech-4014	Using the law of ecological diversity in stable ground covers formation in a megalopolis	A I Dovganyuk, E S Dovganyuk, Yu V Voskoboynikov and M B Panova	Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russia
Agritech-4015	Investigation of the reliability level of electric cables for sustainable fire protection systems	I K Bakirov	Ufa State Petroleum Technological University (USPTU) Ufa, Russian Federation
Agritech-4016	Classification of ecotones in three-dimensional space: horizontal, vertical and cross-horizontal ecotones	K A Korlyakov and S N Gashev	Chelyabinsk State University, Chelyabinsk, Russian Federation; Tyumen State University, Tyumen, Russian Federation
Agritech-4017	Study of various tillage technologies	N V Tsuglenok, V N Romanov and I I Katzer	Krasnoyarsk
Agritech-4018	Agrarian landscape ecological regional assignment of middle Volga	A I Chursin, E A Nartova, P M Chebotarev and A A Melentyev	Penza State University of Architecture and Construction, Penza, Russia; Voronezh state agrarian University, Voronezh, Russia; Military educational scientific center air force «air force Academy named after Professor N. E.Zhukovsky and Y. A. Gagarina», Voronezh, Russia; Belgorod State Agrarian University, Maysky village, Russia

Agritech-4019	Removal of fluorides from solutions using natural brucite sorbent	E A Krasavtseva, D V Makarov, I R Elizarova and L P Kudryavtseva	Laboratory of Nature-Inspired Technologies and Environmental Safety of the Arctic of the Federal Research Centre «Kola Science Centre of the Russian Academy of Sciences», Apatity, Russia; Institute of North Industrial Ecology Problems of the Federal Research Centre «Kola Science Centre of the Russian Academy of Sciences», Apatity, Russia
Agritech-4020	Natural conditions of the Karaganda region	A A Kenetayeva, Sh E Usupayev, G S Shaikhova, A K Salkeyeva, A ZH Akhmetova, and A F Mullagaliyeva	Karaganda State Technical University, Karaganda, Kazakhstan, Central-Asian Institute for Applied Geosciences, Kyrgyzstan, Bishkek
Agritech-4022	Distribution of cesium-137 in the peat soil of a hing-bog depending on the microrelief	E D Ivanov	Saint Petersburg State University, Saint Petersburg, Russia
Agritech-4024	Soil-ecological regional assignment of Middle Volga region forest-steppe zone	A A Melentyev, A I Chursin, P M Chebotarev and E A Nartova	Belgorod State Agrarian University, Maysky village, Russia; Penza State University of Architecture and Construction, Penza, Russia; Military educational scientific center air force «air force Academy named after Professor N. E. Zhukovsky and Y. A. Gagarina», Voronezh, Russia; Voronezh state agrarian University, Voronezh, Russia
Agritech-4025	Analysis of the influence of natural and climatic conditions in the Arctic and the Far North on the stability of air traffic	I V Kovalev, N A Testoyedov, D I Kovalev and S G Efa	Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations, Krasnoyarsk State Agrarian University, Siberian Federal University, Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, Russia

Agritech-4026	Ecological potential of pasture ecosystems of desolate steppes in the conservation of the saiga population of the North- Western Caspian Sea	Ubushaev B S, Natyrov A K, Arylov Yu N, Moroz N N, Slizskaya S A and Khakhlinov A I	Kalmyk State University named after B.B.Gorodovikov, Russian Federation
---------------	----------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------	----------------------------------------------------------------------------

Section 5. Environmental Safety, Risk Assessment and Management in Oil and Gas Industry

Agritech-5001	Analysis of the relationship between the sustainable environmental health and occupational safety: problems, prospects and opportunities	N Abdrakhmanov, A Fedosov, I Kilinbaeva, M Ismagilov and Yu Savicheva	Ufa State Petroleum Technological University, Ufa, Russian Federation
Agritech-5002	Improving Safety During Operation of Gas Turbine Units	N H Abdrakhmanov, Z A Zakirova, M N Guryanova, K N Abdrakhmanova and Yu N Savicheva	Ufa State Petroleum Technological University, Ufa, Russian Federation
Agritech-5003	Regulation of the process of additional development of the oil deposit of the Khankalskoye field and analysis of the control of indicators	M M Bakraev, F Z Bulyukova and E B Dumler	Grozny State Oil Technical University named after Academician M D Millionshchikov, Grozny; Ufa State Petroleum Technological University, Ufa
Agritech-5004	Setting the overpressure prevention system for plunger pumps to improve the environmental safety of technological equipment	V U Yamaliev and R R Gareev	Ufa State Petroleum Technological University, Ufa
Agritech-5005	Ensuring the safety of chemical dosing	V V Shaidakov, E V Shestakova and A A Barabanov	Ufa State Petroleum Technological University, Ufa
Agritech-5006	Modeling of soot formation in a tractor diesel engine running on methanol and methyl ether of rapeseed oil	A S Yurlov, O P Lopatin, V A Likhanov, V V Belov and A V Stepanov	Department of thermal engines, automobiles and tractors, Vyatka State Agrotechnological University, Kirov, Russian Federation Department of Mechanization, Electrification and Automation of Agricultural Production, Chuvash State Agrarian University, Cheboksary, Russian Federation Department of Mathematics, Physics and Information Technologies, Chuvash State

			Agrarian University, Cheboksary, Russian Federation
Agritech-5007	Investigation of the flame of natural gas in the combustion chamber of a tractor diesel engine	I I Maksimov, A S Alatyrev, M P Smirnov, V A Likhanov and O P Lopatin	Vyatka State Agrotechnological University, Kirov; Chuvash State Agrarian University, Cheboksary, Russia
Agritech-5008	Influence of the content of asphaltenes, resins and paraffin on the melting point of asphalt-resin-paraffin deposits	N R Yarkeeva and R A Iskhakov	Ufa State Petroleum Technological University, Ufa, Russian Federation
Agritech-5009	Development of a supra-bit jet pump for opening a productive formation	A P Melnikov and V V Shaidakov	Ufa State Petroleum Technological University
Agritech-5011	Development of vibration resistant PDC bit during drilling hard rock formation	R R Mingazov and V Y Yamaliev	Ufa State Petroleum Technological University, Ufa
Agritech-5012	Analysis of the effectiveness of the technological system for the development of the XXIII layer of the Goyt-court	M M Bakraev, F Z Bulyukova and E B Dumler	Grozny State Oil Technical University named after Academician M D Millionshchikov, Grozny; Ufa State Petroleum Technological University, Ufa
Agritech-5013	Automated information support system for AOR methods of hazard and risk analysis for oil and gas industry	I A Meluseva, I V Ozden, A A Kudryavtsev and D I Shevchenko	Ufa State Petroleum Technical University, Ufa, Russian Federation

Agritech-5014	Improvement of the method of removing asphalt-resin-paraffin deposits to ensure the safety of technological processes	I F Khafizov, E D Muftakhova and T V Latypova	Ufa State Petroleum Technical University, Ufa, Russia
Agritech-5015	To the use of energy resources in the North Caucasian Federal District	T B Temukuyev, G S Prazdnow and B B Temukuyev	Russian Presidential Academy of National Economy and Public Administration under the President of the Russian Federation, Moscow, Russia; Russian Presidential Academy of National Economy and Public Administration under the President of the Russian Federation, Moscow, Russia; Kabardino-Balkarian State Agrarian University, Nalchik, Russia
Agritech-5016	Machine learning models for effective prediction of firefighting systems and reducing environmental damage	E V Popova and G M Gritsay	Ufa State Petroleum Technological University
Agritech-5017	Research of methods for intensification of oil production from lower cretaceous sediments of Goryacheistochenskoye field	M M Bakraev, F Z Bulyukova and E B Dumler	Grozny State Oil Technical University named after Academician M D Millionshchikov, Grozny; Ufa State Petroleum Technological University, Ufa
Agritech-5018	Modifying of air-mechanical foams using organosilicone compounds	R M Sultanov, R R Zinatullin and S A Imamutdinov	Ufa State Petroleum Technological University, Ufa, Russian Federation
Agritech-5019	Problems of safe operation of pipelines with high flow rates of the pumped product and the main solutions	B B Nuriddinov, F M Mugallimov, I F Mugallimov and B F Mugallimov	Ufa State Petroleum Technological University, Ufa; VOSTOKneftegaz, LLC, Ufa; Transneft East, LLC, Bratsk

Agritech-5020	Effective course of pumping of a well rod pump	A A Ishmurzin and V U Mustafin	Ufa State Petroleum Technological University, Ufa; Limited liability company RN-BashNIPIneft
Agritech-5022	Environmental safety approaches to solving the problem of waste disposal at livestock farms	P N Solonshickov and L V Pilip	Vyatka State Agrotechnological University, Kirov, Russia
Agritech-5024	Research on the thermal impact on steel structures of tanks in case of fire	E V Popova, F S Khafizov, G M Gritsay and A M Gazizov	Ufa State Petroleum Technological University
Agritech-5025	A device for measuring the parameters of the lower layer with simultaneous separate operation of the well	V A Kostilevsky and V V Shaidakov	Ufa State Petroleum Technological University
Agritech-5026	Investigation of application efficiency of device for removal of gas condensate from main gas pipelines	F S Khafizov, N A Abdullin, I F Khafizov and R M Sultanov.	Ufa State Petroleum Technological University, Ufa, Russia;
Agritech-5027	Research on the reliability of automatic fire alarms and their impact on safety in refinery	I K Bakirov, N A Abdullin and Z H Pavlova	Ufa State Petroleum Technological University, Ufa, Russia
Agritech-5028	Development of a scheme for the installation of mechanical purification of the water surface in case of oil spills	V A Batishcheva, A S Vasilev, I F Hafizov and Z H Pavlova	Ufa State Petroleum Technological University, Ufa, Russia

Agritech-5029	Development of a packer with an activation tool for the liner extension hanger in the interval of a horizontal open well	I S Kopeikin	Ufa State Petroleum Technological University, Ufa
Agritech-5030	A promising approach to assessing anthropogenic impact on natural ecosystems for the sustainable functioning of cyber-physical systems	I V Kovalev, V V Losev, M V Saramud, D I Kovalev and A S Lifar	Siberian Federal University, Reshetnev Siberian State University of Science and Technology, Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia China Aviation Industry General Aircraft Zhejiang Institute Co., Ltd, China
Agritech-5031	Protection of natural ecosystems using forest resources	Bulgakova M.A.	Management Academy of the Ministry of the Interior of Russia, Russia

Section 6. Green Technologies, Climate Change and Environmental Pollution

Agritech-6001	Determination of soil toxicity man-made zones by example of city with developed industry	G V Khakimova, L R Asfandiyarova	Ufa State Petroleum Technological University, Branch in the Sterlitamak, Republic of Bashkortostan, Russia
Agritech-6002	Polyvariance of ontogeny of <i>Castilleja lapponica</i> Gand. under industrial pollution of the Subarctic	N V Vasilevskaya	Murmansk Arctic State University
Agritech-6003	Conceptual model for examining knowledge maps adoption in ecosystem of megacities	I B Mamai and A V Gayer	Federal Center of Theoretical and Applied Sociology of Russian Academy of Sciences, Moscow, Russia
Agritech-6004	The potential of digital economy framework to tackle sustainability challenges in urban area	D V Polevoi and I B Mamai	Federal Center of Theoretical and Applied Sociology of Russian Academy of Sciences, Moscow, Russia
Agritech-6005	Hygienic behavior of bees as an element of sterility in the production of environmentally friendly products	B D Garmaev, T A Khoroshailo, Y A Alekseeva and A A Martemyanova	Kuban State Agrarian University named after I.T. Trubilina, Krasnodar; Irkutsk State Agricultural University named after A.A. Ezhevsky, Irkutsk, Russian Federation
Agritech-6006	Prediction of safety in emergency situations of complex geotechnical objects using neural networks	K C Pervov, F W Hafizov, D V Vasilyev, I V Ozden	Ufa State Petroleum Technological University, Ufa, Russia

Agritech-6008	Extraction of bioactive components from <i>Chamaenerion angustifolium</i> (L.) herb growing in Kola Peninsula using deep eutectic solvents	E A Pasichnik, O I Paukshta, V G Nikolaev and N S Tsvetov	Tananaev Institute of Chemistry - Subdivision of the Federal Research Centre "Kola Science Centre of the Russian Academy of Sciences", Apatity, Russia); Murmansk Arctic State University, a branch in Apatity, Apatity, Russia
Agritech-6009	Monitoring of organic carbon in the phytomass of pine stands	O A Gerasimova, A A Vais, E F Luzina, A I Melnik and A V Mantulina	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk
Agritech-6010	Obtaining effective biodestructors of fungicidal drugs for environmental agrobiocenoses' maintenance sustainability	O V Kolotova, I V Mogilevskaya, E E Nefedieva and B F Zheltobryukhov	Volgograd State Technical University
Agritech-6011	Specific pollutants in urban wastewater and their impact on the environment	A A Abramova, V G Isakov, M Yu Dyagelev, A M Nepogodin and E V Grakhova	Kalashnikov Izhevsk state technical University, Izhevsk, Russia
Agritech-6012	Dynamics of carbon productivity of pine stands according to growth tables	A A Vais, A A Andronova, V V Popova, S K Mamedova, P A Zaykova and S A Chanchikova	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, Russia
Agritech-6013	Ways to develop highly profitable organic tillage technologies in rural regions	R V Kapinos, D Yu Chugai, S N Zolotarev, O I Zolotareva and I A Demesheva	Belgorod state agrarian University named after V Ya Gorin, Belgorod, Russian Federation
Agritech-6014	The peculiarities of construction organizing of wind farms as a part of environmental engineering	A S Subbotin, I G Zharkov, I E Ratnikov	Moscow State University of Civil Engineering

Agritech-6015	Green economy perspectives in Africa: technological and institutional potential	L N Kalinichenko, N F Matveeva and E V Morozenskaya	Institute for African Studies of the Russian Academy of Sciences, Moscow, Russia
Agritech-6016	Global climate and soil cover in Russia: Function and role of the carbon landfill	I. M. Bamatov, D. M. Bamatov, M. K. Mutuzova	FGBOU VO "Chechen State University named after A. A. Kadyrov", Grozny, Russian Federation; Federal Research Centre "V.V. Dokuchaev Soil Science Institute", Moscow, Russian Federation.
Agritech-6017	Systems synthesis: environmental factors impact assessment in non indigenous women living in the north	V V Eskov, G V Gazya, Yu V Bashkatova, O E Filatova	Surgut State University, Surgut, Russia; Federal research center for scientific research institute of system research of the Russian Academy of Sciences, Surgut, Russia
Agritech-6018	Calculation of the carbon footprint of industrial hybrid solar - wind turbines	L R Abdullina, S S Selkin, A V Zrazhevskiy, E S Baryshnikov and S V Selivanova	Bauman Moscow State Technical University, Moscow; National Research Nuclear University MEPhI, Moscow; Platov South-Russian State Polytechnic University (NPI), Novocherkassk; Peter the Great St. Petersburg Polytechnic University, Saint Petersburg, Russian Federation
Agritech-6019	Hydrogen as an alternative planetary fuel: current problems and environmental impact	T B Temukuyev, G S Prazdnov and B B Temukuyev	Russian Presidential Academy of National Economy and Public Administration under the President of the Russian Federation, Moscow, Russia; Russian Presidential Academy of National Economy and Public Administration under the President of the Russian Federation, Moscow, Russia; Kabardino-Balkarian State Agrarian University, Nalchik, Russia.
Agritech-6020	Testing of the method of human metabolites gas products processing deep purification on lettuce plants	S V Trifonov, N A Tubol and A A Tikhomirov	Laboratory for Problems of Establishing Cycling Processes in Artificial Ecosystems, Institute of Biophysics SB RAS; Laboratory of Controlled Biosynthesis of Phototrophic Organisms, Institute of Biophysics SB RAS;

			Department of Biophysics, School of Fundamental Biology and Biotechnology of SFU; Department of Closed Ecosystems, M.F. Reshetnev SibGU, Krasnoyarsk, Russia
Agritech-6021	The effect of stressful ecological conditions on chlorophyll content in the leaves of spring wheat plants	V I Trukhachev, I I Seregina, S L Belopukhov, I I Dmitrevskaya, T I Fomina, O A Zharkikh and D M Akhmetzhanov	Russian State Agrarian University - Moscow Agricultural Academy named after K.A. Timiryazev, Russian Federation, Moscow
Agritech-6022	Environmental consequences of fires	D V Andreev	M. K. Ammosov North-Eastern Federal University, Yakutsk, Republic of Sakha (Yakutia), Russia
Agritech-6023	The effect of a new protective-stimulating complex on the growth and development of spring wheat of the Ester variety under environmental stress	V I Trukhachev, I I Seregina, S L Belopukhov, I I Dmitrievskaya, T N Fomina, O A Zharkih and F I Zaitsev	Russian State Agrarian University - Moscow Agricultural Academy named after K.A. Timiryazev, Russian Federation, Moscow

Section 7. Chemical, Ecological, Oil-and-Gas Engineering and Natural Resources

Agritech-7001	Evaluation of salicylic acid effect on <i>Tetraselmis suecica</i> growth, biochemical composition and caloric value	N N Kovalev, S E Leskova and E V Mikheev	Far East State Technical Fisheries University, Vladivostok, Russia
Agritech-7002	On rational nature management and environmental policy in the Krasnoyarsk Territory	E A Letyagina	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-7003	Development of a methodology for calculating the integral toxicity of exhaust gases of a diesel engine running on alternative fuels	O P Lopatin, V A Likhanov, A A Belov, A O Vasiliev and E P Alekseev	Department of thermal engines, automobiles and tractors, Vyatka State Agrotechnological University, Kirov, Russian Federation; Department of Mechanization, Electrification and Automation of Agricultural Production Chuvash State Agrarian University; Department of Technical Service, Chuvash State Agrarian University, Cheboksary, Russian Federation
Agritech-7004	Application of the factor analysis method in calculating the cadastral value of land plots	S E Badmayeva, Yu V Badmayeva, Yu V Gorbunova, S V Yevtushenko and T V Yevtushenko	Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-7005	Methods for reducing the carbon footprint of industrial and construction facilities	S N Dolmatov, P G Kolesnikov and N V Smertin	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, Russia

Agritech-7006	Territorial and geographical aspects of sable extraction, harvesting and sale of its skins - from Ancient Russia to the Russian Federation	L V Shadyul, Y E Vashukevich and E V Vashukevich	Institute of Natural Resources Management - Faculty of Hunting, Irkutsk State Agrarian University named after A. A. Yezhevsky; OOO "Russian Sable", Irkutsk, Russia
Agritech-7007	The review of methods of post-treatment of urban wastewater with a high content of industrial effluents	M Yu Dyagelev	Kalashnikov Izhevsk state technical University, Izhevsk, Russia
Agritech-7008	Inhibition effects of petroleum products on nitrogen and phosphorous removal	V Dubovik, H Ratnaweera, R Markevich, A Issayeva, Z Maletskiy and V Sorogovets	Belarusian State Technological University, Minsk, Belarus; Norwegian University of Life Sciences, Aas, Norway; M. Auezov South Kazakhstan State University, Shymkent, Kazakhstan
Agritech-7009	Dynamics of crop production and rational use of agricultural lands	N M Belous, V F Vaskin, A A Kuzmitskaya, A V Kubyshkin and Yu I Schmidt	Bryansk State Agrarian University, Bryansk, ; Tver State Agricultural Academy, Tver, Russia
Agritech-7010	The influence of modern means of protection of grain crops on the potential yield in the conditions of the Krasnoyarsk forest-steppe	N S Kozulin, A V Bobrovskiy, A V Vasilenko	Krasnoyarsk Scientific Research Institute of Agriculture, a separate subdivision of the Federal Research Center "Krasnoyarsk Scientific Center of the Siberian Branch of the Russian Academy of Sciences"
Agritech-7011	Resistance of summer wheat (<i>Triticum aestivum</i> L.) to model toxicant in different soil types	I V Ovsyannikova, V V Pryanichnikova, R M Khairullin, Z.M Kuramshina, and E V Boev	Ufa State Petroleum Technological University, Branch of the University in the City of Sterlitamak, Republic of Bashkortostan, Russian Federation; Institute of Biochemistry and Genetics, Ufa Federal Research Center, Russian Academy of Sciences, Ufa, Republic of Bashkortostan, Russian Federation;

			Sterlitamak Branch, Bashkir State University, Republic of Bashkortostan, Russian Federation
Agritech-7012	Growth and development analysis of silver Brium (Bryum argentium Hedw.) depending on illumination level influence	E A Kozlova, E E Orlova, I N Zubik and M V Simakhin	Russian State Agrarian University - Moscow Agricultural Academy named after K A Timiryazeva, Moscow, Russia; Main Botanical Garden named after N V Tsitsin RAS, Moscow, Russia
Agritech-7013	Research of the movement of raw cotton and heavy impurities in the working chamber of pneumatic transport of a new design	Akbarhon Sidikov, Sadi Khusanov, Elmurod Kambarov, Durbek Abdujalilov and Olimjon Sarimsakov	Namangan Engineering Technological Institute, Namangan, Uzbekistan
Agritech-7014	Water injection front estimation of oil fields to reduce risks of sharp water flooding	N R Yarkeeva, A I Farkhutdinova and D A Zaripova	Ufa State Petroleum Technological University, Ufa, Russian Federation
Agritech-7015	General theory of ensuring environmental safety: state and directions for improvement	I A Dmitrieva, L P Mileshko, E V Prokof'eva, N A Ivanova, M S Rakitina and S E Rudina	Don State Technical University, Rostov-on-Don, Russia, Southern Federal University, Rostov-on-Don, Russia, Anton Chekhov Taganrog State Institute (branch) Rostov State University of Economics, Taganrog, Don State Technical University, Rostov-on-Don, Russia
Agritech-7016	Environmental monitoring of endogenous fires based on thermal imaging and 3D mapping from an unmanned aerial vehicle	A Yu Prosekov, A O Rada, A D Kuznetsov, A E Timofeev and M A Osinceva	Kemerovo State University

Agritech-7017	Development of a Software Package for Digital Forest Inventory Based on Aerial Photography Data	A Yu Prosekov, A O Rada, A D Kuznetsov, A E Timofeev and M A Osintseva	Kemerovo State University
Agritech-7018	Environmental safety based on decontamination of pyrophoric deposits at oil production facilities using dialkyl sulfoxides	I F Khafizov, N V Shutov, R M Sultanov and Z H Pavlova	Department «Fire and industrial safety», Faculty of Mining and Petroleum Engineering, Ufa State Petroleum Technological University
Agritech-7019	Modeling of the optimal route of unmanned systems and positioning algorithms for monitoring man-made and natural fires	A A Sharafutdinov and A A Sharafutdinova	FSBEI HE«Ufa State Petroleum Technological University»Assistant Professor of Fire and Industrial Safety Chair, Ufa, Russia
Agritech-7020	Creation of a platform for an information and analytical system for ensuring the activities of operational firefighting headquarters	A A Sharafutdinov, Z Kh Pavlova, AA Sharafutdinova	FSBEI HE«Ufa State Petroleum Technological University» Assistant Professor of Fire and Industrial Safety Chair, Ufa, Russia
Agritech-7021	Complex processing of phosphogypsum	R R Daminev and M Kh Kurbangaleeva	Ufa State Petroleum Technological University, Branch in the Sterlitamak, Sterlitamak, Republic of Bashkortostan, Russia Institute of Biology, Ufa Scientific Center, Russian Academy of Sciences, Ufa
Agritech-7023	Efficient use of secondary energy resources at an organic synthesis enterprise by the method of energy-technological combination	V V Bronskaya, D S Balzamor, E Yu Balzamova, G I Kamalova, T V Ignashina, E V Garifullina and O S Kharitonova	Kazan National Research Technological University, Kazan State Power Engineering University, Kazan; Innopolis University, Innopolis; National Research University «Moscow Power Engineering Institute», Moscow, Russian Federation

Agritech-7024	Calculation of the main characteristics of polymer branching taking into account the exchange of activity between polymerization centres	V V Bronskaya, E V Garifullina, T V Ignashina, G A Aminova, G V Manuyko, O S Kharitonova and D S Balsamov	Kazan National Research Technological University, Kazan State Power Engineering University, Kazan, Russian Federation
Agritech-7025	Numerical simulation of collection efficiency in separator with inclined double-T elements	V E Zinurov, V V Kharkov, E I Salakhova, M R Vakhitov and M G Kuznetsov	Kazan State Power Engineering University, Kazan National Research Technological University, Kazan State Agrarian University, Kazan, Russia
Agritech-7026	Models of technogenic pollution by dust and gas components at protection facilities	A V Zvyagintseva , A S Samofalova , S A Sazonova , V V Kulneva and N S Popova	Voronezh State Technical University, Voronezh, Russia, Department of Modeling and Organization of Social Systems, The Russian Presidential Academy of National Economy and Public Administration, Voronezh, Russia, Voronezh State Technical University, Voronezh, Russia, Voronezh State University of Forestry and Technologies Named After G.F. Morozov, Voronezh, Russia
Agritech-7027	Tectonic factors of the chemical compound's composition of plains' groundwater	V A Budarina, I I Kosinova and D G Lependin	Voronezh State University, Voronezh, Russia

Section 8. Agricultural Mechanization, Civil Engineering and Energetics

Agritech-8001	Optimization of the main parameters of a mixing box in a periodic mode of operation in the preparation of liquid lumps in animal husbandry	P N Solonshickov	Vyatka State Agrotechnological University, Kirov, Russia
Agritech-8002	Investigation of kinematic characteristics of screw dispensers for sustainable agrarian-and-feed production	S Yu Bulatov, V N Nechaev, A A Zykin and A. Sergeev	Engineering Institute, Nizhny Novgorod State University of Engineering and Economics, Knyaginino, Vyatka state universit, Kirov, LCC "DOZA-AGRO», Nizhny Novgorod
Agritech-8003	Evaluation of the working process of the grain disinfection line	S Yu Bulatov, V N Nechaev and A G Sergeev	Engineering Institute, Nizhny Novgorod State Engineering and Economic University, Knyaginino; Doza-Agro LLC , Nizhny Novgorod
Agritech-8004	Long-term storage of combined feed in containers with unregulated gas medium	A D Chernyshev, M Y Kostenko, I A Murog, A V Baidov and A N Patrin	Ryazan Institute (branch) of the Moscow Polytechnic University, Ryazan, Russia; Ryazan State Agrotechnological University named after P.A. Kostychev, Ryazan, Russia
Agritech-8005	Substantiation of cultivator points form of the lowest draught for stratifier tillage machine	Yu N Syromyatnikov, A V Belykh, A A Ivanov, M N Kalimullin, S G Lopareva, A A Luchinovich and D V Loparev	State Biotechnological University, Kharkov, Ukraine Tver State Agricultural Academy, Tver, Russia Kazan State Agrarian University, Kazan, Russia Kurgan State Agricultural Academy by T. S. Maltsev, Kurgan, Russia Omsk State Agrarian University named after P.A. Stolypin, Omsk, Russia
Agritech-8006	Technological and design principles of grain quality improvement, taking into account natural and climatic conditions	G G Maslov, E M Yudina and N A Rinas	Federal State Budgetary Educational Institution of Higher Education "Kuban State Agrarian University named after I.T. Trubilin", Krasnodar, Russia

Agritech-8007	Mechatronic module design of the control system for the tractor gearbox	S A Vasilyev, S A Mishin and S E Limonov	Chuvash State University named after I.N. Ulyanov, Cheboksary
Agritech-8008	Development of dairy farming based on the modernization of a combined massage device for preparing heifers for the period of milking equipment use	A A Kurochkin and D I Frolov	Penza State Technological University, Penza, Russia
Agritech-8009	Experimental studies of a granulator with a cooling system using a standard matrix for the development of waste-free industries	A A Zykin	Vyatka State University, Kirov, Russian Federation
Agritech-8010	The influence of mineral inclusions on the heat efficiency of the enclosing construction from wood-cement composite in the rural house building	S N Dolmatov, E Yu Maksimovich, M N Kalimullin, E A Tihonov, A V Kamenchukov , D V Loparev and V A Sokolova	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk, Russia Federal State Budgetary Educational Institution of Higher Education "Novosibirsk State Technical University", Novosibirsk, Russia Kazan State Agrarian University, Kazan, Russia Petrozavodsk State University, Republic of Karelia, Petrozavodsk, Russia Pacific National University, Khabarovsk, Russia Kurgan State Agricultural Academy by T. S. Maltsev, Kurgan, Russia Saint Petersburg State Forest Technical University named after S.M. Kirov, St. Petersburg, Russia
Agritech-8011	Simulation of the stress state during blade wear and optimal design of the grain crusher wheel	P V Dorodov, V V Kasatkin, V A Petrov, L Y Lebedev and A A Litvinyuk	FSBEI HE Izhevsk state agricultural Academy, the Udmurt Republic, Izhevsk; Udmurt Republican Public Organization " Union of Scientific and Engineering Public Departments", the Udmurt Republic, Izhevsk; FSBEI HE "Udmurt state University", the Udmurt Republic, Izhevsk.

Agritech-8012	Ranking of quality indicators influencing the choice of potato harvester	N Zh Shkaruba, O A Leonov and D A Bogolubova	Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia
Agritech-8013	Improving the reliability of the hammer grain crusher by optimal design of the paddle wheel	P V Dorodov, V V Kasatkin, V A Petrov, N Y Kasatkina and L Y Lebedev	FSBEI HE Izhevsk state agricultural Academy, the Udmurt Republic, Izhevsk
Agritech-8014	Quality indicators influencing the choice of potato harvester	N Zh Shkarub, O A Leonov and D A Bogolubova	Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia
Agritech-8015	Efficiency of local application of mineral fertilizers simultaneously with pre-sowing tillage	A A Vasiliev, E N Oleynikova, O V Lisunov and M V Boginya	Krasnoyarsk State Agrarian University
Agritech-8016	Problems of metrological support of measurements in irrigation systems	G I Bondareva, O A Leonov, N Zh Shkaruba, G N Temasova and Y G Vergazova	All-Russian Research Institute for Hydraulic Engineering and Land Reclamation (VNIIGiM); Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Moscow, Russia
Agritech-8017	Substantiation of flat blade parameters for soil loosening	Yu N Syromyatnikov, A F Mozgovsky, M N Kalimullin, E A Tikhonov, A-M S Dzjasheev, A A Orekhovskaya and M V Taraban	State Biotechnological University, Kharkov, Ukraine Institute of Vegetable and Melon Growing NAAN of Ukraine, vil. Seleksionnaya, Ukraine Kazan State Agrarian University, Kazan, Russia Petrozavodsk State University, Republic of Karelia, Petrozavodsk, Russia North-Caucasian State Academy, Karachay-Cherkess Republic, Cherkessk, Russia Belgorod State Agricultural University named after V. Gorin, Mayskiy, Belgorod Region, Russia Saint Petersburg State

			Forest Technical University named after S.M. Kirov, St. Petersburg, Russia
Agritech-8018	Generating a computational grid when modeling the intake system of a tractor diesel engine to reduce the impact on the environment	L A Zholobov, A V Pasin, A I Novozhilov and M P Korobkov	Nizhny Novgorod State Agricultural Academy, Nizhny Novgorod, Russia
Agritech-8019	Polymer materials in concrete technology	Yu A Schepochkina, A A Orekhovskaya, V A Sokolova, V N Malikov, S G Lopareva , D V Loparev and D N Klyosov	Ivanovo State Polytechnical University, Ivanovo, Russia Belgorod State Agricultural University named after V. Gorin, Mayskiy, Belgorod Region, Russia Saint Petersburg State Forest Technical University named after S.M. Kirov, St. Petersburg, Russia Altai State University, Barnaul, Russia Kurgan State Agricultural Academy by T. S. Maltsev, Kurgan, Russia
Agritech-8020	Environmental problems of small rivers in the Volga and Dneprovsky basin in the territory of the Kaluga region	I N Lykov and V I Melenchuk	Kaluga State University named after K.E. Tsiolkovsky, Kaluga, Russia
Agritech-8021	Justification of the flat shaft profile using variation calculation methods	Yu N Syromyatnikov, I I Semenenko, A-M S Dzjasheev, E A Tikhonov, A A Orekhovskaya, I S Mukhametshin and M R Mirzoeva	State Biotechnological University, Kharkov, Ukraine Institute of Vegetables and Melon Growing, National Academy of Agrarian Sciences of Ukraine, Kharkov, Ukraine North-Caucasian State Academy, Cherkessk, Russia Petrozavodsk State University, Republic of Karelia, Petrozavodsk, Russia Belgorod State Agricultural University named after V. Gorin, Mayskiy, Belgorod Region, Russia Kazan State Agrarian University, Kazan, Russia Saint Petersburg State Forest Technical University named after S.M. Kirov, St. Petersburg, Russia

Agritech-8022	Studies of the traction characteristics of the opener of a forestry seeder for a nursery	M A Gnusov, M V Drapalyuk, D Yu Druchinin, L D Bukhtoyarov, N O Ushakov and E V Sibiryatkin	Voronezh State University of Forestry and Technologies named after G.F. Morozov
Agritech-8023	The influence of pre-plant potato treatment on plant development	I N Goryachkina, A K Zinovyev, G K Rembalovich, R V Beznosyuk and M Yu Kostenko	Ryazan State Agrotechnological University Named after P.A. Kostychev, Ryazan, Russia; SBPEI MR Kolomna Agricultural College Named after N.T. Kozlov, Kolomna, Russia
Agritech-8024	The influence of pre-plant treatment with hot mist of biopreparations on the quality of spring barley yield	R V Beznosyuk, I N Goryachkina, K N Drozhzhin, M Yu Kostenko and G K Rembalovich	Ryazan State Agrotechnological University Named after P.A. Kostychev; 2LLC "Ryazanagrokhim", Ryazan, Russia
Agritech-8026	Justification of parameters of a finger hump of potato harvesters when vibrating canvas	R V Beznosyuk, D V Evtekhov, S N Borychev, M Y Kostenko and G K Rembalovich	Ryazan State Agrotechnological University Named after P.A. Kostychev, Ryazan, Russia
Agritech-8027	Investigation of the combustion process of a diesel engine when working on a mixed fuel	Sh V Buzikov, S A Plotnikov, A I Shipin, A L Biryukov and A N Kartashevich	Department of Construction Production, Vyatka State University, Kirov, Russia; Department of Mechanical Engineering Technology, Vyatka State University, Kirov, Russia; Department of Mechanical Engineering Technology, Vyatka State University, Kirov, Russia; Department of Energy Resources and Technical Service, Vologda State Dairy Academy named after N.V. Vereshchagin, Vologda, Russia; Department of Tractors, Cars and Machines for Environmental Engineering, Belarusian State Orders of the October Revolution and the Red Banner of Labor Agricultural Academy, Gorki, Republic of Belarus

Agritech-8028	Assessment of energy efficiency of units for preparation of liquid feed mixtures of continuous and batch action	P N Solonshickov, A N Luchnikov, I A Tolstoukhova , D V Kuznetsovsky, P V Rotar, A A Lipovtsev, K A Chervotkin	Vyatka State Agrotechnological University, Kirov, Russia
Agritech-8029	Influence of power fluid filtration quality on hydroficated machine and operability efficiency	I V Karnaukhov, E A Sorokin, A A Nikitin, V V Abramov and M D Pankiv	Siberian Federal University, Krasnoyarsk, Russia

Section 9. Biodiversity and Ecosystem Stability for Sustaining the Natural Area

Agritech-9001	About diagnostic features of Polygonum L. genus. Perianth	N N Tupitsyna	Krasnoyarsk State Pedagogical University named after V. P. Astaf'ev
Agritech-9002	The dynamics of the bird population in the forest ecosystems of Eastern Siberia (South Baikal) under the conditions of the modern climate changes	Yu Mel'nikov	Baikal museum, Irkutsk Scientific Centre, Listvyanka, Russia
Agritech-9003	Ontogenetic features of the morphology of hemolymph cells in Henosepilachna vigintioctomaculata (Coleoptera: Coccinellidae) as an indicator of biodiversity	M V Ermak, N V Matsishina, P V Fisenko, O A Sobko and D I Volkov	Federal Scientific Center of Agricultural Biotechnology of the Far East named after A.K. Chaiki, Ussuriisk, Russia,
Agritech-9004	Analysis of the impact of anthropogenic transformation of organisms on the homeostasis of ecosystems	M A Lomskov, N V Pimenov, R F Ivannikova and M V Selina	Moscow State Academy of Veterinary Medicine and Biotechnology – MVA by K.I. Skryabin, Moscow, Russia
Agritech-9005	Sorption of copper ions by immobilized yeast with poroforming additives	R A Garanin and I N Lykov	Kaluga State University named after K E Tsiolkovsky, Kaluga, Russia
Agritech-9006	Landscape-species national inventory of animal habitats as a basis for hunting resources use and protection (on the sable example)	D F Leontiev	Irkutsk State Agrarian University, Molodezhny, Russia

Agritech-9007	Natural vegetation of Krasnoyarsk	E M Antipova and S V Antipova	Krasnoyarsk State Pedagogical University named after V. P. Astafiev
Agritech-9008	Assessment of the biota condition of the Specially Protected Natural Territory "Sosnovaya Rosha" in the vicinity of a multi-lane road under construction	N V Turmukhametova, P V Bedova, I G Vorobeva, V I Drobot, V A Zabiyaikin and L V Ryzhova	Mari State University, Yoshkar-Ola, Russia
Agritech-9009	Breeding indices for the creation of spring soft wheat varieties	S Ilina and A Fadeev	Federal Agricultural Research Center of the North-East named N. V. Rudnitskogo, Kirov, Russia
Agritech-9010	Current state of landscaping objects in Volzhsky	A K Kulik, R N Balkushkin, M V Vlasenko, A A Zaitsev and A S Khnyckin	Federal Scientific Centre of Agroecology, Complex Melioration and Protective Afforestation of the Russian Academy of Sciences, Volgograd, Russia
Agritech-9011	Scientifically based possibilities of conservation of natural soil fertility of black soils of contour-landscape agriculture of Orenburg region	V Yu Skorokhodov, A A Zorov, N A Maksyutov, Yu V Kaftan, D V Mitrofanov, N A Zenkova and S B Voropaev	Federal Research Centre of Biological Systems and Agrotechnologies of the Russian Academy of Sciences, Orenburg, Russia
Agritech-9012	Plant leaves structural and functional parameters in different breeding periods buckwheat varieties	A V Amelin, A N Fesenko, V V Zaikin and E I Chekalin	N.V. Parakhin The Orel State Agrarian University, Orel, Russia; Federal Scientific Center of Grain Legumes and Cereals, Streletskiy settlement, Russia
Agritech-9013	Prevention of enterotoxigenic escherichiosis as a way to stabilize the ecological situation of anthropogenic pollution by antibiotic-resistant strains	Alexander Tishchenko, Vladimir Terekhov, Nikolay Pimenov and Regina Ivannikova	Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia; Pashkovsky Agricultural College, Krasnodar, Russia; Moscow State Academy of Veterinary Medicine and Biotechnology - MVA named after K.I. Skryabin, Moscow, Russia

Agritech-9014	Characteristics of the Zavitaya River in terms of hydrochemical and microbiological indicators during the flood of 2021	A P Pakusina, M F Tsarkova, T P Platonova and T P Kolesnikova	Far Eastern State Agrarian University, Amur State University, Blagoveshchensk, Russia
Agritech-9015	Evolution of bacterial pathogens of fish and ways to preserve ecosystems	L N Yukhimenko, N V Pimenov, L I Bychkova, R F Ivannikova, A I Laishevcev and G Sh Navruzshoeva	Branch for the freshwater fisheries of «VNIRO» («VNIIPRKH») Rybnoye, Russia, Federal State Budgetary Educational Institution of Higher Education «Moscow State Academy of Veterinary Medicine and Biotechnology - MVA named after K.I. Skryabin», Moscow, Russia, Federal State Budgetary Educational Institution of Higher Education «K.G.Razumovsky Moscow State University of Technologies and Management», Moscow, Russia, All-Russian scientific research institute of experimental veterinary medicine named after Ya.R.Kovalenko, Moscow, Russia
Agritech-9016	In vitro culture of <i>Zingeria biebersteiniana</i> (Claus) P. Smirn as a method of conservation and expanding its biodiversity	A V Khromov and M Yu Cherednichenko	Lomonosov Moscow State University, Moscow, Russia; Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia
Agritech-9017	Aspects of satellite and subsatellite studies of chlorophyll-a in Arctic waters	O P Kalinka and V V Vodopianova	Murmansk Marine Biological Institute RAS, Murmansk, Russia
Agritech-9018	Diseases of <i>Populus tremula</i> L. in the subtaiga forests of the Yenisei Siberia: pathogens and their impact	A I Tatarintsev and P V Mikhaylov	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk

Agritech-9019	Broiler chickens product quality as an indicator of sustainable poultry farming development	E G Skvortsova, O V Filinskaya, A S Bushkaryova, A V Mostofina and A V Konovalov	Yaroslavl State Agricultural Academy, Yaroslavl, Russia; Yaroslavl Scientific Research Institute of livestock breeding and forage production – Federal State Budget Scientific Institution "Federal Williams Research Center of Forage Production and Agroecology", Mikhailovskiy, Russia
Agritech-9020	Transformation, stability and biodiversity of phytocenosis depending on their initial conditions	Igor N Mishin and E N Mishina	Smolensk State Agricultural Academy; First Moscow State Medical University
Agritech-9021	Rare species of the genus <i>Allium</i> L. (Alliaceae) from the flora of the Republic of Bashkortostan under cultivation within the city of Ufa	N V Maslova and O A Elizaryeva	Ufa Institute of Biology, Ufa Federal Research Centre, Russian Academy of Sciences, Russia, Ufa
Agritech-9022	Vitality of <i>Rubus arcticus</i> L. in medium and southern taiga	Yu V Gudovskikh	Russian Research Institute of Game Management and Fur Farming, Kirov, Russian Federation
Agritech-9023	Determination of the potential rooting rate of green cuttings of the heteropodal barberry (<i>Berberis heteropoda</i> Schrenk.) by the structure of the radial parenchyma	A S Bakhtaulova, A Oryngazy, T K Ukusheva and A M Atabayeva	Zhetysu University named after I. Zhansugurov, Taldykorgan, Kazakhstan
Agritech-9024	Public-private partnership in the field of waste management, not related to municipal solid waste	Vladimir Naumov, Elena Radchenko, Vladimir Sedikh and Alina Vdovina	Federal State Research Institute of the Federal Penitentiary Service of the Russian Federation, Federal State Budgetary Educational Institution of Higher Education «Russian State Agrarian University – MSHA named after K. A. Timiryazev»

Agritech-9025	Assessment of the development of the road and path network on the territory of the reserve park in order to reduce the anthropogenic impact on nature	A V Novikov, O V Sumarukova, A D Timoshkin, N V Lagutina and M V Barsukova	Russian State Social University; Moscow State Budgetary Educational Institution "School 1223"; All-Russian Research Institute for Hydraulic Engineering and Land Reclamation named after A.N. Kostyakov; Russian State Agrarian University – Moscow Agricultural Academy named after K.A. Timiryazev, Moscow, Russian Federation
Agritech-9026	Creation the map of the road and path network in the specially protected natural area for territory digression research	A V Novikov, O V Sumarukova, M A Shiryayeva, N V Lagutina and M V Barsukova	Russian State Social University, Moscow, Russian Federation; Moscow State Budgetary Educational Institution "School 1223", Moscow, Russian Federation; Graduate School of Agriculture and Bioengineering in Lille, Lille, France; Russian State Agrarian University – Moscow Agricultural Academy named after K.A. Timiryazev, Moscow, Russian Federation
Agritech-9027	Number and species structure of communities of insectivorous biotopes of varying degrees of anthropogenic transformation of the urban landscape	Natalya D Gorina	Novosibirsk State Agrarian University, Novosibirsk, Russia
Agritech-9028	Selection of trees species composition for creation of forest belts on newly created agrarian landscape of a regulated landfill	Y V Cheprunova and A V Tingaev	Russia, Barnaul, Altai State Agrarian University, Barnaul, Altai State Pedagogical University
Agritech-9029	Ecological features and the influence of hive materials on the viability of bee colonies in Eastern Siberia	M A Yudakhina	Krasnoyarsk State Agrarian University

Agritech-9030	Interpopulation analysis of morphological and chemical characteristics of blue honeysuckle depending on natural and climatic conditions of growth	N Yu Teplyuk, G V Ivanova, O Ya Kolman, M V Glotova and E O Nikulina	Siberian Federal University, Krasnoyarsk, Russia
Agritech-9031	Research on the biodiversity of blue honeysuckle growing in Siberia	N Yu Teplyuk, O Ya Kolman, M V Glotova, G V Ivanova and E O Nikulina	Siberian Federal University, Krasnoyarsk, Russia
Agritech-9032	Monitoring work on the study of the biodiversity of the flora of the reserves	Tatyana Yu Petrisheva, Irina N Usacheva, Antonina L Kravchenko, Anastasia V Polteva and Tatyana A Masina	Bunin Yelets State University, Yelets, Lipetsk region, Russian Federation

Section 10. Agroforestry and Digitalization of the Forest Technology

Agritech-10001	Ensuring an ecologically sustainable state of agroforestry landscapes of LLC “Agroalliance” of Krasnodar Territory	N V Primakov	Kuban State University; Kuban State Agrarian University named after I.T. Trubilin, Krasnodar, Russia
Agritech-10002	The growth of deciduous trees in the protective forest belts of the southern part of Central Siberia	A A Vais, G S Varaksin, V I Nezamov, O P Kolpakova, S A Mamontova and N N Sorokina	Reshetnev Siberian State University of Science and Technology, Krasnoyarsk state agrarian university, Krasnoyarsk, Sukachev Institute of Forest SB RAS, Federal Research Center «Krasnoyarsk Science Center SB RAS», Krasnoyarsk, Russia
Agritech-10003	To the problem of reducing the impact on soil during mechanization of thinning	R Yu Dobretsov, S B Dobretsova, V A Sokolova, S N Orlovskiy, A Ya Donin, T G Garbuzova and S V Alekseeva	Peter the Great St. Petersburg Polytechnic University, St. Petersburg, Russia Saint Petersburg State Forestry University named after S.M. Kirov, St. Petersburg, Russia Krasnoyarsk State Agrarian University, Krasnoyarsk, Russia
Agritech-10004	<i>Condition and growth of pedunculate oak (Quercus robur L.) in irrigated forest belts of Saratov Trans-Volga steppe</i>	Dmitriy A Mashtakov, Airat R Sadykov and Elena A Arestova	Saratov State Agrarian University named after N.I. Vavilov; Federal Agrarian Scientific Center of the South-East, Saratov, Russia
Agritech-10005	Forest management assessment of as forest use rational type	A I Chursin, E A Nartova, N A Krukova and A A Melentyev	Penza State University of Architecture and Construction, Penza, Russia; Voronezh state agrarian University, Voronezh, Russia; Military educational scientific center air force «air force Academy named after Professor N. E.Zhukovsky and Y. A. Gagarina», Voronezh, Russia; Belgorod State Agrarian University, Maysky village, Russia