



Lomonosov Moscow State University
Soil Science Faculty
Russian Society of Soil Scientists
V.V. Dokuchaev Soil Science Institute
Agrophysical Research Institute
Federation of Eurasian Soil Science Societies















II INTERNATIONAL INTERDISCIPLINARY SCIENTIFIC CONFERENCE

KEY CONCEPTS OF SOIL PHYSICS: DEVELOPMENT, CURRENT APPLICATIONS AND PROSPECTS

dated to the 80th anniversary of the Department of Soil
Physics and Reclamation
and 130th anniversary of Professor N.A. Kachinskiy

III INFORMATION LETTER







dated to the 80th anniversary of the Department of Soil Physics and Reclamation 130th anniversary of Professor N.A. Kachinskiy

Dear colleagues!

Organizing Committee of the International scientific conference "FUNDAMENTAL CONCEPTS OF SOIL PHYSICS: DEVELOPMENT, MODERN APPLICATIONS AND PROSPECTS" thanks all colleagues who expressed a desire to participate in the conference.

Working languages: Russian, English.

We remind you that the slides of oral presentations should be in English. We kindly ask you to arrange the drawings, captions to the figures, tables, and the text of the poster in English.

The Conference will be held in the form of plenary, breakout sessions and poster sessions. The poster session will be held in face-to-face and remote formats.

To design the poster, please use the template form (see the file "Form 3 – poster template"). Please, send prepared posters in the format .pdf or .ppt to the mail of the organizing committee (soil.physics.2024@yandex.ru) up to May 25th for demonstration the posters in a remote format.

Registration fee in euro (EUR, €):

Account holder: Landviser Llc SWIFT/BIC: TRWIBEB1XXX IBAN: BE44 9671 5479 0845

Wise's address: Wise Europe SA, Rue du Trône 100, 3rd floor Brussels 1050

Belgium

Please, indicate the "Registration fee" in the purpose of payment and the full name of the conference participant during paying the registration fee. After payment of the fee, you should send a copy of the confirming payment document to the address: anastasiagasina@gmail.com.

If you have any questions about paying the registration fee, please, contact with us: <u>anastasiagasina@gmail.com</u>.



dated to the 80th anniversary of the Department of Soil Physics and Reclamation 130th anniversary of Professor N.A. Kachinskiy

PRELIMINARY* CONFERENCE PROGRAM

* Minor changes may be made to the program.

All sessions of the conference will be held at the Faculty of Soil Science of Lomonosov Moscow State University in the M2 auditorium

Monday, May 27		
10:00-10:30	Opening of the conference Welcome speech by the President of the Faculty of Soil Science of Moscow State University, Doctor of Biological Sciences, Corresponding Member of the Russian Academy of Sciences, Director of the Eurasian Center for Food Security – Sergey A. Shoba. "To the anniversary of Prof. N.A.Kachinsky" - Chairman of the conference, Doctor of Biological Sciences, Professor, Head of the Department of Physics and Soil Reclamation, Faculty of Soil Science, Moscow State University Aminat B.Umarova	
10:30-11:50	Plenary session Moderators: Umarova A.B., Stepanov A.L. Secretary: Butylkina M.A.	
10:30-10:50	Shein Evgeniy, Dembovetsky A.V.	Granulometric composition of soils: history, development of methods, current state and prospects
10:50-11:10	Hummatov Nizami	Improvement of soil structure under forage crops in irrigated and rainfed conditions
11:10-11:30	Rusakov Aleksey, Popov A.I.	Trends in changes in the structural state and some properties of soils of different age- abonded lands of the Yaroslavl Volga region
11:30-11:50	Zhelezova Sofia, Ivanov D.A.	Identification of the agrophytocenosis patterns in conditions of hilly terrain according to the results of a comprehensive instrumental research
11:50-12:10	Coffee break	
12:10-13:50	Plenary session Moderators: Shein E.V., Rusakov A.	V. Secretary: Shiroyan M.M.
12:10-12:30	Umarova Aminat	Water flows and the rate of transformation of artificial soils
12:30-12:50	Ryzhova Irina, Romanenkov V.A., Stepanenko V.M.	Modeling the dynamics of soil organic matter: main problems and directions of development
12:50-13:10	Stepanov Aleksey, Soshnikova E.A., Manucharova N.A.	New processes of microbial transformation of nitrogen as a factor in the formation of the soil gas phase
13:10-13:30	Al-Ismaily Said Salim, Kacimov A., Al-Mayhai A., Al- Busaidi H., Blackburn D., Al- Shukaili A., Al-Maktoumi A., Al- Siyabi B., Al-Habsi J.	"Soil Skills" and "Soil Judging" Contests Amalgamated: Pedagogical Adventure in BSc Field Practicum
13:30-13:50	Antsypovich Sergey	An overview of modern laboratory equipment for soil research



13:50-14:30	Lunch break	
14:30-16:10	Session "SOIL-PLANTS" Moderators: Minkina T.M., Kovaleva N.O. Secretary: Shiroyan M.M.	
14:30-14:50 Plenary report	Anisimov Vyacheslav, Fesenko S. V., Anisimova L. N., Sanzharov A. I., Mezina M. V., Korovin S. V., Krylenkin D. V., Korneev Yu. N., Novikova N.V.	Influence of soil humidity on the mobility and accumulation of 137Cs by plants
14:50-15:10 Plenary report	Kovaleva Natalia, Ochirova D.D.	Soil-physical factors as the basis of ampelopedology (based on the example of vineyards of the Krasnodar region)
15:10-15:25	Al-Shukaili Afrah Hamed, Kacimov A.R., Al- Mayahi A., Al- Ismaily S., Al-Maktoumi A., Al- Busaidi H., Blackburn D.	Moisture-Vegetation Relationships of Linear Arid Dunes; Ash Sharqiah High Sands, Oman
15:25-15:40	Wong Ming	Organic Matter Incorporation in Soils: Promouting Sustainable Agriculture in Climate Change Mitigation
15:40-15:55	Sadovnikova Nadezhda, Smagin A.V., Krivtsova V.N.	The effect of gel-forming polymer soil modifiers on the agrophysical properties of soils and the productivity of plant crops
15:55-16:10	Ferapontova Svetlana	The role of ionite substrates as a source of mineral nutrition for plants in a provocative background
16:10-16:30	Coffee break	
16:30-17:00	Session "SOIL-PLANTS" Moderators: Minkina T.A., Romanen	kov V.A. Secretary: Shiroyan M.M.
16:30-16:45	Ilintsev Aleksey, Nakvasina E.N.	Soil and environmental aspects of improving reforestation technologies
16:45-17:00	Gorbov Sergey, Abrosimov K.N., Tagiverdiev S.S., Skvortsova E.B.	The experience of using X-ray tomography in the study of the pore space and rhizosphere of constructozems with various compositions.
17:00-18:00	Poster session Moderators: Umarova A.B., Stepanov A.L. Secretary: Butylkina M.A.	
	Golekar Rushikesh Baburao, Dakve S.M., Kurdhundkar Sh. Sh., Nivate S.S.	Seawater Intrusion in Coastal Aquifer from Ratnagiri area, India and its impact on quality of irrigation water
	Tusat Ekrem, Er F., Mikailsoy F.	Usage of geographical information systems in digital soil mapping; a case study of yesiltepeaksaray-turkiye
	Abrosimov Konstantin	The small angle scattering method and its application to study soil structure at the submicron level
	Aleksandrov Nikita, Titova M.I.	Assessment of carbon flows and pools of typical crop rotations of agroecosystems in the non-Chernozem region, using the example of experimental fields in the Timiryazev Academy



Alekseev Ivan	Accumulation of heavy metals and pahs in soils and soil-like bodies in East Antarctica oases
Arakelova Larisa	Rheological properties of soils with different land use in Sochi
Bahramova Guzal'	Briefly about the techniques of mapping soil moisture and temperature in different layers
Bezuglova Olga, Gaevaya E.A., Gorbov S.N., Mishchenko A.V.	Structural and aggregate composition of the chernozem of runoff-regulating forest strip in the Rostov region
Valiaev D.A., Ivanova A.E., Sadykov S.N., Umarova A.B.	Fungi in the composition of dust collected by different techniques in various cities of the european part of russia
Volkova E.S., Pyatova A.A.	The effect of zeolite and fertilizers based on it on the agrophysical properties of the soil when exposed to crops
Goncharov Nikita, Prokofieva T.V., Fedotov G.N., Potapov D.I.	Atmospheric solid fallouts as a source of hydrophobicity of urban soils (a model experiment)
Gorepekin Ivan, Tarasenko D.A., Fedotov G.N.	Restoration of the properties of organomineral gels in dried soil samples
Zvychaynaya Elizaveta, Kovalev I.	Quantitative characteristics of ortstein pore space structure in agrogray soils using tomography
Iovcheva A.D., Pinsky D.L.	Specific features of isotherms approximation in case of copper adsorption by soils of forest-steppe zone
Kashulina Galina, Litvinova T.I.	Features of the temperature regime of umbrisols on the south-west coast of Svalbard
Klimenko V.S., Isaeva A.N., Kupriianova Iu.V., Niyazova A.V., Siuha A.V., Ilyasov D.V.	Spatio-temporal variability of co2 fluxes from the surface of an oligotrophic peatland at the Mukhrino test site
Kozhunov Andrey	The influence of atmospheric boundary condition discreteness on the accuracy of calculating soil moisture
Korytina Maria, Goncharov V.M., Faustova E.V., Chufarovskaya O.I.	Physical properties of substrates and their components as the basis of green roof functioning
Manakova Olga, Sorokin A.C., Meshalkina J.L.	Soil bulk density profile distribution in the birch-spirum forest of the training and experimental soil ecological center "Chashnikovo"
Salugin Aleksandr, Fedotova A.V.	Multimodal aspects of soil granulometric composition
Sambuu Anna, Nazhik M., Kuular O., Novozhako V.	Deposition of organic carbon in the soils of the dry steppes in Tuva



	Satybaldin Maksat, Yakovleva L.V.	Changes in the physical properties of dark chestnut soils under forestry plantings of different age in the alginsky district of aktobe region of the republic of Kazakhstan
	Sidorova Irina, Kovaleva N.O.	Magnetic suspectivity and electrical conductivity as markers of design features of geoarcheological monuments
	Silaev Makar, Akhmetzyanova R.R., Ejelev Z.S.	Temperature and water regimes of the upper layer of urban soil under different mulches in summer
	Stulina Galina, Solodkij G.F., Kenzhabaev SH.M.	Adaptation of the modern water resources management modeling system to the conditions of the Aral Sea region
	Suharev Aleksey, Tarasenko D.A.	Properties of organo-mineral soil gels in study of soil properties
	Sushkova Svetlana, Dudnikova T.S., Minkina T.M., Zamulina I.V., Barbashev A.I., Antonenko E.M., Shuvaev E.G., Latsynnik E.S.	Influence of pahs and heavy metals pollution on the properties of chestnut soils and solinetz under different restoration methods
	Tazieva Amaliya	Transformation of physical properties of soil constructions in Moscow
	Tarasenko Dariya	The study of the mechanism of water stability of the soil structure
	Uvarov Georg	Complex changes in the biological, chemical and physical characteristics of soils due to the introduction of biochar and oil pollution
	Farhodov Yulian, Danilin I.V., Ermolaev N.R., Nadutkin I.A., Kholodov V.A.	The effect of direct seeding technology on the structure of the organic matter in ordinary chernozem
	Fortova Sofia	The effect of biochar on the transformation of petroleum hydrocarbons in a micromodule experiment
	Kharitonova Galina, Shein E.V., Krutikova V.O., Klimin M.A.	Secondary carbonates in peat deposits of the upper type
	Zhang Yizhou, Evdokimova M.V.	Investigation of the ecological state of land in the tula region for the purposes of identifying locally unfavorable territories
	Shein Evgeniy, Dembovetsky A.V., Tyugai Z, Zhenis Zh.	Statistical comparison of the results of granulometric composition determination by sedimentometric method and the method of laser diffractometry
18:00-20:00	Buffet dinner Congratulation	s on the anniversary of the department



Tuesday, May 28			
10:00-12:00	Excursion		
12:00-13:25	Session "Mathematical modeling" Moderators: Shein E.V., Rusakov A.V. Secretary: Arakelova L.I.		
12:00-12:20 Plenary report	Smagin Andrey	A fundamental model of the disjoining pressure of soil water for the entire water retention curve	
12:20-12:40 Plenary report	Linnik Vitaliy, Ivanitsky O.M., Saveliev A.A.	Modeling of lateral moisture flows at the microlandscape level to assess the spatial distribution of Cs-137 in semi-hydromorphic soils of the bryansk region	
12:40-12:55	Kokoreva Anna, Kolupaeva V.N., Slavioglo V.D., Bibulatov S.A.	Transfer of pesticides and assessment of their residual contents in the soil according to the results of field studies in leached chernozem and laboratory lysimetric experiment	
12:55-13:10	Ostroumov Vladimir	Modeling of syngenetic accumulation permafrost sediment containing buried soils	
13:10-13:25	Bugrov Evgeniy	Description of the anthill as an object of geomorphology and soil science using modern technical means	
13:25-14:30	Lunch break		
14:30-16:10	Session "Температура" Moderators: Arkhangelskaya Т.А.,	Gummatov N.G. Secretary: Silaev M.V.	
14:30-14:50 Plenary report	Pozdnyakova Larisa, Abakumov E.V.	Prospects for using field geophysical methods in cryogenic soil research	
14:50-15:10 Plenary report	Arkhangelskaya Tatyana, Polyakov D.G., Ryabukha A.G., Kovda I.V.	Soil temperature regime as a factor of stability of paleocryogenic soilscape structure	
15:10-15:25	Reshotkin Oleg	Soil temperature regimes of Sakhalin island under conditions of modern climate changes	
15:25-15:40	Snegirev Vyacheslav, Vyshkvarko A.A., Alimov A.L.	Modern technologies for continuous monitoring of temperature and moisture of soil layers at various depths	
15:40-15:55	Korkina Elena	Seasonal ice formation in the soil pores of the cryometamorphic department	
15:55-16:10	Lapina Larisa	About the amplitudes of annual fluctuations on the soil surface and average annual temperature values	
16:10-16:30	Coffee break		



16:30-18:10	Session "EVALUATION" Moderators: Sapozhnikov P.M., Makarov O.A. Secretary: Korsikova S.A.	
16:30-16:50 Plenary report	Sapoznikov P.M., Korsikova S.A., Konontseva E.V.,	Differentiation of the cadastral value of chernozems in the Altai territory
	Danilova N.I.	·
16:50-17:10	Evdokimova Maria,	Environmental regulation of the content marker
Plenary report	Gorlenko A.S., Prudnikova E.V., Kalita M.M.	components content for coal mining facilities in native soils and artificial substrates
17:10-17:25	Gaevaya Emma, Bezuglova O.S.	Analysis of physico-chemical parameters of soil fertility of ordinary carbonate medium-eroded chernozems based on the principal component method
17:25-17:40	Donerian Larisa, Voronina L.P.	Cadmium migration in soil for ecotoxicological assessment for rating purposes
17:40-17:55	Shekhter Karina, Sapozhnikov P.M.	The influence of soil and geographical factors on the formation of the cadastral value of chernozems in the Central chernozem zone of Russia
17:55-18:10	Timofeeva Elena	Examples of student society-university- employers interaction at lomonosov moscow state university within the framework of solving environmental cases of organizations

Wednesday, May 29		
10:00-11:40	Session ''TECHNOPEDOGENESIS'' Moderators: Gorbov S.N., Prokofieva T.V. Secretary: Sadykov A.N.	
10:00-10:20 Plenary report	Simonova Julia	Water vapor sorption isotherms and specific surface area of natural and anthropogenic soils in the organic matter removal experiment
10:20-10:40 Plenary report	Minkina Tatyana, Zamulina I.V., Mandzhieva S.S., Nevidomskaya D.G., Bauer T.V., Burachevskaya M.V., Tsitsuashvili V.S.	Mechanisms of interaction of Zn and Cu with solid-phase soil components using methods of physical and chemical fractionation, x-ray structural analysis
10:40-10:55	Pozdnyakova Larisa, Rappoport A.V., Trubin A.Y., Orunbaev S., Umarova A.B.	Field electrophysics for studying urban soils
10:55-11:10	Azovtseva Natalia, Parfenova A.M., Varlamov E.B.	Physico-chemical and mineralogical characteristics of urbanozems
11:10-11:25	Bauer Tatyana, Zamulina Inna, Minkina T.M., Konstantinova E.S., Nevidomskaya D.G., Litvinov Yu.A., Mandzhieva S.S.,	Physical properties of soils and technogenic surface formed rock dumps of coal mines of Rostov region
11:25-11:40	Kaplya Veronika, Okolelova A.A., Egorova G.S.	The application of biologics for detoxification of oil-contaminated soils
11:40-12:00	Coffee break	



12:00-13:40	Session "HYDROLOGY AND SOIL RECLAMATION" Moderators: Kovalev I.V., Fedotova A.V. Secretary: Ogorodnaya S.A.	
12:00-12:20 Plenary report	Kovalev Ivan	Drying of mineral hydromorphic loam soils: past experience and modern challenges
12:20-12:40 Plenary report	Kaverin Dmitriy, Pastukhov A.V.	Automated monitoring of water content in tundra soils in European Northeast Russia
12:40-12:55	Lipatov Denis, Manakhov D.V., Shcheglov A.I.	Variation of different moisture indicators in peat soils of swampy ecosystems in the northeast of Sakhalin island
12:55-13:10	Abdullaev Anvar	Infiltration of irrigation water beyond the calculated layer depending on soil moisture
13:10-13:25	Vakhonin Nikolai	Optimization of decision-making as the basis for the effectiveness of informatization of the reclamation industry.
13:25-13:40	Tetenishchev Aleksandr	The effect of the granular form of phosphogypsum on the physico-chemical properties of chernozems in the southern Middle Permian
13:40-14:30	Lunch break	
14:30-16:00	Session "HYDROLOGY AND SOIL RECLAMATION" Moderators: Smagin A.V., Abdullaev A.Kh. Secretary: Khirk A.V.	
14:30-14:45	Bogdanov Andrey, Bagbekov R.K., Feldsherov YU.V., Shakhnazarov A.A.	Experience in the implementation of waterproofing polymer-mineral materials in the creation of artificial reservoirs in the field in Kazakhstan
14:45-15:00	Ikramov Nazir, Kasimov F., Rakhimova M.	Energy Efficiency Monitoring System of Operated Irrigation Pumping Stations in Uzbekistan
15:00-15:15	Kodirov Dilshot, Shirokova YU.I. , Paluashova G.K., Sadiev F.F.	The effectiveness of salt leaching when changing the physico-chemical properties of compacted soils under the influence of loosening from biosolvent treatment
15:15-15:30	Isagaliev Murodzhon, Yuldashev G., Goncharov V.M., Mamazhonov I.	Physical bases of aridization and melioration of soils with metamorphic horizons
15:30-15:45	Slukovskaya Marina, Ivanova T.K., Mosendz I.A., Kremenetskaya I.P., Sachivko E.P.	Regulation of water-retaining properties of man- made sands using polyvinyl alcohol and thermovermiculite
15:45-16:00	Asadi Hossein, Ghaderi Sh., Avizhgan A.	The mechanisms and affecting factors of soil surface sealing in arid and semiarid regions
16:00-16:20	Coffee break	
16:20-18:00	Discussion round table "WATER" Together with the participants of the youth forum "Structural and functional unity of soils and adjacent environments" Moderator: Kalnin T.G. Secretary: Rykova A.I.	



	Thursday, May 30		
10:00-11:25	Session "CARBON" Moderators: Romanenkov V.A., Kulachkova S.A. Secretary: Meltsaeva A.M.		
10:00-10:20	Romanenkov Vladimir,	Equestration potential of managed	
Plenary report	Meshalkina Y.L., Gorbacheva A.Y., Dobrovolskaya V.A.	agroecosystems soils modeling	
10:20-10:40	Blackburn Daniel Menezes,	Impact of biochar, organic fertilizers and	
Plenary report	Al-Maghatasi, B.K., Al-Ismaily, S.	elemental sulfur on the emission of greenhouse gases from an omani calcareous soil	
10:40-10:55	Abdulrasoul Al-Omran	The Use of Biochar and Compost Can Improve the Hydro-Physical Properties of Sandy Soils in Arid Regions	
10:55-11:10	Derevenets Elizaveta, Kulachkova S.A., Manakova O.I., Meshalkina J.L., Sorokin A.S.	Microbial respiration as a source of carbon dioxide in soils of the "Chashnikovo" carbon polygon	
11:10-11:25	Alekseev Ivan	Spatial variability of soil organic matter and assessment of the depth of geochemical barriers (using the example of Nordenskiold Land and the southern part of the Yamal Peninsula)	
11:25-11:45	Coffee break		
11:45-13:25	Session "CARBON" Moderators: Smagin A.V., Ryzho	va I.M. Secretary: Ogorodnaya S.A.	
11:45-12:05	Kulachkova Svetlana,	Ways for regulating carbon dioxide fluxes from	
Plenary report	Derevenets E.N., Maksaeva E.S.	urban lawn soils	
12:05-12:20	Molchanov Aleksandr, Olchev A.V.	Carbon balance of a birch-willow biogeocenosis in a drained peat bog	
12:20-12:35	Teslya Anastasiya, Gurina E.V., Yashnikov A.V., Stepanov A.A., Vasilchenko A.S	CO2 emissions from gliotoxin-treated soil	
12:35-12:50	Kochkina M.V., Soldatkina M.A., Satosina E.M., Ilyichev I.A., Romanenkov V.A., Kremenetsky V.V., Olchev A.V., Gulev S.K.	variability of carbon dioxide and methane fluxes on the coastal site of the carbon polygon of Krasnodar region	
12:50-13:05	Faykin Georgiy, Stepanenko V.M., Medvedev A.I., Shangareeva S.K.	Testing on three carbon models of the carbon cycle model designer	
13:05-13:20	Isaeva Anna, Goncharova O.Yu., Ryzhova I.M.	Influence of temperature and humidity on the CO2 flux from soils under deciduous and coniferous plantations of the MSU Botanical garden	
13:20-13:35	Ilichev Igor, Olchev A.V., Romanenkov V.A., Pokrovskaya A.I., Sorokin A.S.1, Chekin M.R., Reshetnikova R.A.	Spatial and temporal variability of soil carbon dioxide emissions at the «Chashnikovo» carbon supersite	



13:35-14:30	Lunch break
14:30-16:00	Excursion + Poster session of the Youth Forum
16:00-17:30	Discussion round table "SOIL - GLOBAL CARBON STORAGE" Together with the participants of the youth forum "Structural and functional unity of soils and adjacent environments"
	Moderator: Romanenkov V.A. Secretary: Derevenets E.N.

Friday, May 31		
10:00-11:25	Session "Solid phase of soils" Moderators: Zhelezova S.V. Umarova A.B. Secretary: Toshoporan A.K.	
10:00-10:20 Plenary report	Fedotov Gennadiy, Tarasenko D.A., Gorepekin I.V.	The influence of fractal-cluster organization of soil organic matter on some of their properties
10:20-10:40 Plenary report	Makarov Oleg	Soil as a ground bio-induced elastovisco-plastic "flow" body, nonlinearly functioning in time and in space
10:40-10:55	Kholopov Yurij, Khajdapova D.D., Lapteva E.M.	Methodological features of determining the rheological properties of soils of natural and disturbed composition on the example of a typical podzolic soil
10:55-11:10	Khirk Anastasia, Khaidapova D.D., Karpova D.V.	Features of rheological properties of agrogray soils of Vladimir opolye
11:10-11:25	Romanenko Konstantin	Using FIB-SEM technology to study the nanostructure of loamy soils
11:25-11:40	Ivankova Alena, BrikmanS A.V., Nesterova O.V., Bovsun M.A.	Granulometric composition of aquasoils of Kievka Bay of Japanese sea
11:40-12:00	Coffee break	
12:00-13:30	Session "Agrophysics" Moderators: Goncharov V.M. Secretary: Klushina S.I.	
12:00-12:15	Zubkova Tatyana, Sukhanova N.I.	Stability of soil aggregates to mechanical impacts under conditions of hydrogen degased earth
12:15-12:30	Samsonova Vera, Kondrashkina M.I., Krotov D.G., Dyadkina S.E.	Spatial variability of the density of the arable horizon in the agro-grey soils in the Bryansk region
12:30-12:45	Tyugai Zemfira, Salimgareeva O.A., Ivanov A.V.	The structure of the typical chernozem of different land use
12:45-13:00	Sneg Anna, Balabko P.N., Sapozhnikov P.M.	Overconsolidation of reclaimed alluvial arable soils in the valley of the Oka and Moscow rivers under conditions of intensive agriculture



dated to the 80th anniversary of the Department of Soil Physics and Reclamation 130th anniversary of Professor N.A. Kachinskiy

13:00-13:15	Tsareva Maria	Influence of thermally treated poultry manure on agrophysical properties of soddy-podzolic light loamy soil
13:15-13:30	Prokhorov Ilya	Agrophysics on the pages of the Agrochemical Bulletin magazine
13:30-14:15	Lunch break	
14:15-16:00	Closing of the conference	

To prepare passes to the building of the Faculty of Soil Science of Moscow State University, we kindly ask you to confirm your participation in the conference by writing to the mail soil.physics.2024@yandex.ru up to May 23.



dated to the 80th anniversary of the Department of Soil Physics and Reclamation 130th anniversary of Professor N.A. Kachinskiy

ACCOMODATION

Organizing Committee recommends that the conference participants book their own accommodation in Moscow.

Example of hotels for booking:

Business Class

- 1. Arbat Star Hotel 5* https://arbatstars.activhotels.ru. Rooms from 100 Euro.
- 2. Grafsky 4* Hotel https://grafskiyhotel.ru. Rooms from 90 Euro.
- 3. Azimut City Smolenskaya 4* Hotel https://azimuthotels.com/ru. Standard single room from 90 Euro.

Standard hotels

- 1. Mini-hotel Lomonosov Moscow. Walking distance to the territory of Moscow State University. Rooms from 60 Euro per night.
- 2. The Salyut Hotel. https://hotelsalut.ru. Rooms from 50 Euro per night. The metro is a 15-20-minute walk away.
- 3. Mini-hotel Orange on Akademicheskaya. In the ancient Cheryomushki manor. There is a tram going to Moscow State University nearby. Rooms from 40 Euro. http://orangehotels.ru/?yclid=641190943857082188#akademicheskaya
- 4. The Orange Hotel on the Southwest. There is a subway nearby. Rooms from 40 Euro. http://orangehotels.ru/?yclid=641190943857082188#yugozapadnaya
- 5. Mini-hotel "Akademik" Rooms from 40 Euro. http://larbat-hotel.ru/hotel-akademik/

Economy option

The University Hotel. Cheap and walking distance. The cost starts from 30 Euro per night. http://www.uhtl.ru/

CONFERENCE PARTNERS:

- 1. Epicenter, LLC
- 2. ZION RUS, LLC
- 3. URALCHEM Innovations, LLC

CONFERENCE SPONSOR:

LABINSTUMENTS LLC

The LABINSTUMENTS company has been operating since 2006 and holds a leading position in the supply of high-quality equipment from the USA and Europe for studying soils, the atmosphere, plants, for measuring greenhouse gas fluxes in soils, for equipping carbon landfills and for other purposes.



II INTERNATIONAL SCIENTIFIC CONFERENCE «KEY CONCEPTS OF SOIL PHYSICS: DEVELOPMENT,

CURRENT APPLICATIONS AND PROSPECTS»

dated to the 80th anniversary of the Department of Soil Physics and Reclamation 130th anniversary of Professor N.A. Kachinskiy



www.labinstruments.ru sa@labinstruments.ru +7(499)213-2652 (доб. 901) +7(903)762-0296

LABINSTUMENTS has been operating since 2006 and holds a leading position in the supply of high-quality laboratory equipment and analytical instruments from the USA and Europe.

The LABINSTUMENTS company specializes in the supply of equipment for environmental studies (soil, atmosphere, water, illumination), as well as for the study and cultivation of plants to the Russian Federation and CIS countries.



The LABINSTUMENTS company supplies equipment for equipping carbon polygons, for measuring soil gas exchange for all major greenhouse gases (CO2, H2O, CH4, N2O), for analyzing soil parameters (temperature, humidity, salinity, conductivity, etc.), for monitoring environmental parameters, as well as for botany, physiology and morphology of plants, for photosynthesis and respiration and for other purposes!

In the assortment of the company LABINSTUMENTS:

- $\sqrt{}$ Equipment for equipping carbon landfills
- $\sqrt{\text{Soil gas exchange analysis systems}}$
- √ Greenhouse gas analyzers
- $\sqrt{\text{Systems for measuring soil parameters}}$
- $\sqrt{\text{Soil moisture and temperature sensors}}$
- $\sqrt{\text{Eddy covariance atmospheric analysis stations}}$
- $\sqrt{\text{Analyzers of plant parameters}}$
- $\sqrt{\mathbf{And}}$ much more!



LI-COR (USA), PP SYSTEMS (USA), STEVENS WATER (USA), DYNAMAX (USA), APOGEE (USA), DELTA-T (Great Britain), HUKSEFLUX (Holland), QUBIT SYSTEMS (Canada), LICA (China), PRI-ECO (China), HEALTHY PHOTON (China) и др.











We are looking forward to welcoming you at the Conference!

Organising committee