

Saint-Petersburg State University. Institute of Earth Sciences
Central Museum of Soil Science of V.V. Dokuchaev
Universität Hamburg
Fund for Retention and Development of the Scientific Heritage of V.V. Dokuchaev
Interregional CSO «Nature protection union»
Dokuchaev Society of Soil Science

PROGRAMME

International scientific conference

XXII Dokuchaev conference for young scientists

devoted to the 150th anniversary of the discovery
of the Mendeleev periodic law of chemical elements

**«SOIL AS A SYSTEM OF FUNCTIONAL
CONNECTIONS IN NATURE»**

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25 February – 2 March, 2019

Saint-Petersburg, Russia

ORGANIZING COMMITTEE

of the International Scientific Conference
“XXII Dokuchaev Conference for Young Scientists”

Chair:

Aparin B.F., professor of the department of soil science of the Saint-Petersburg State University, scientific supervisor of the Central Museum of Soil Science of V.V. Dokuchaev, vice-president of the Dokuchaev Society of Soil Science, Dr.

Co-chair:

Sukhacheva E.Yu., director of the Central Museum of Soil Science of V.V. Dokuchaev, associate professor of the department of soil science of the Saint-Petersburg State University, PhD

Executive secretary:

Bulysheva A.M., PhD's student of the department of soil science of the Saint-Petersburg State University, leading specialist of the "Eco-Express-Service" LLC

Secretary:

Lazareva M.A., PhD's student of the V.V. Dokuchaev Soil Science Institute, research scientist of the Central Museum of Soil Science of V.V. Dokuchaev

Organizing committee members:

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Mingareeva E.V., PhD's student of the All-Russian Scientific Research Institute of Radiology and Agroecology, senior research scientist of the Central Museum of Soil Science of V.V. Dokuchaev

Musaev T.K., teacher of MBI Secondary General School № 2

Ryumin A.G., senior teacher of the department of soil science of the Saint-Petersburg State University

Simonova Yu.V., PhD's student of the department of soil science of the Saint-Petersburg State University

Shevchuk E.A., PhD's student of the department of soil science of the Saint-Petersburg State University, junior research scientist of the Central Museum of Soil Science of V.V. Dokuchaev

Olga Vybornova, Dr., PostDoc, Institute of Soil Science, Universität Hamburg

Chair of the working organizing committee:

Rusakov A.V., Dr., Prof., head of the department of soil science of the Saint-Petersburg State University

Working organizing committee members:

Bakhmatova K.A., PhD, associate professor of the department of biogeography and environmental protection, Saint-Petersburg State University

Bityutsky N.P., Dr., Prof., head of the department of agricultural chemistry, Saint-Petersburg State University

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Chukov S.N., Dr., professor of the department of soil science, Saint-Petersburg State University

Sheshukova A.N., PhD, senior teacher of the department of soil science, Saint-Petersburg State University

Shtangeeva I.V., research scientist of the department of soil science, Saint-Petersburg State University

Yakkonen K.L., PhD, associate professor of the department of agricultural chemistry, Saint-Petersburg State University

Curator of school section:

Timofeeva Yu.R., junior research scientist of the Central Museum of Soil Science of V.V. Dokuchaev

Time limits:

Plenary reports – 15 minutes

Section reports – 10 minutes

Performances – 5 minutes

February 25 (Monday)

Arrival of the conference participants

February 26 (Tuesday)

Tour of Museum – archive of D.I. Mendeleev

(University Embankment, 7/9)

13:30 – Tour in Russian (for 1st group);

14:00 – Tour in English;

14:30 – Tour in Russian (for 2nd group);

15:00 – Tour in Russian (for 3rd group);

15:30 – Tour for school session's participants (for 4th group).

Tour of the Central Museum of Soil Science of V.V. Dokuchaev

(Birzhevoy proyezd, 6)

16:00 – General tour and tour «Underground Kingdom»

February 26 (Tuesday), 10³⁰–11⁰⁰

(Birzhevoy proyezd, 6)

Registration of participants

February 26 (Tuesday), 11⁰⁰–15⁰⁰

(Birzhevoy proyezd, 6)

School session

"Soil is the heart of the ecosystem"

Chair:

PhD's student Bulysheva A.M.

Curator:

junior research scientist Timofeeva Yu.R.

1. **Bovin K.V.** (*MAEI «Multidisciplinary lyceum № 1», Magnitogorsk*)
«Assessment of the impact of technogenic soil pollution in Magnitogorsk using the method of biotesting»
2. **Vovk D.V., Khakhlunova V.S., Yastrebova A.A., Dubovitskaya N.V., Fasevich I.N.** (*MEI «Secondary school № 54», Volgograd*)
«Protection of the soil cover of the Volgograd region»
3. **Vorobyova A.N., Svetlova V.I., Yatsuk S.A.** (*MEI «Gymnasium № 15», Volgograd*)
«The impact of human activity on the ecological state of the soil of city and region»
4. **Grebneva E.S.** (*MAEI «Lyceum № 2», Perm*)
«Contribution of industry of the Perm region to pollution of soils on natural economic zones»

5. **Zhokhov V.E.** (*MI AE «Center of additional education "Constellation"», Tutaev*)
«The study of the composition of the constituent rocks of the coastal slopes in the left-bank part of Tutaev»
6. **Zubova E.A.** (*SBEI «Secondary General School №77», St. Petersburg*)
«Phytoindication of soil»
7. **Mikeladze K.V.** (*MI AE «Center of additional education "Constellation"», Tutaev*)
«Study of soil natural monument "Birch grove"»
8. **Tolmacheva E.O., Karpov M.S., Vasilyeva A.A., Dubovitskaya N.V., Fasevich I.N.** (*MEI «Secondary school № 54», Volgograd*)
«Soil salinization in the Soviet district of Volgograd»
9. **Otaeva G.Kh., Sukiasyan L.K., Aybatova K.L.** (*MBEI «School №144», Kazan*)
«Humus condition of soils of school territory»
10. **Podurets E.A., Podurets O.I.** (*MBEI "Lyceum № 104", Novokuznetsk*)
«Scientific and practical experience of use of molluscs for obtaining biohumus»
11. **Tsybulsky A.M., Lyovygina E.A., Bobicheva O.A.** (*MEI «Gymnasium № 15», Volgograd*)
«Forest shelter belts and their impact on the economic condition of the Volgograd region»
12. **Chetokina V.A., Faleeva L.M., Pshenichnikov P.A.** (*MEI Gymnasium № 15», Volgograd*)
«The chemical composition of the soil of the village "Mountain Polyana" of Volgograd, which is under the influence of economic and industrial human activity»

Discussions

February 27 (Wednesday) 9⁰⁰–10⁰⁰

Lobby of the Main Hall of the Saint-Petersburg State University
(University Embankment, 7/9)

Registration of participants

10⁰⁰–13⁰⁰

**Opening and a plenary sessions of the conference
XXII Dokuchaev Conference for Young Scientists
«Soil as the System of Functional Connections in Nature»**

Main Hall of the Saint-Petersburg State University
(University Embankment, 7/9)

Opening of the conference:

Aparin B.F., head of the Organizing committee, professor of the department of soil science of the Saint-Petersburg State University, scientific supervisor of the Central Museum of Soil Science of V.V. Dokuchaev, vice-president of the Dokuchaev Society of Soil Science, Dr.

Greetings

Performances

Invited reports:

Takashi Kosaki, President, International Union of Soil Sciences (IUSS), Prof. Dr.

«Towards wise use of natural resources to enhance Sustainable Development Goals (SDGs) in International Decade of Soils (IDS) Initiative of IUSS»

Bityutsky N.P., Dr., Prof., head of the department of agricultural chemistry of the Saint-Petersburg State University

«The role of silicon in plant adaptation to iron deficiency and excess aluminum»

Acutis M., Valkama E. (University of Milan, Italy)

«Soil biological fertility and biodiversity: a comparison between conventional and conservative agricultural systems»

Plenary reports:

Enchilik P.R., the MSU Faculty of Geography, Moscow

«First data on the behavior Ti, Fe, Mn, Cr, Co, Ni, Cu, Zn, Zr, Sr, Pb, Cd in the system «soil – plants» of the Central Forest Reserve»

Kovalenko A.V., Lomonosov Moscow State University

«Greenhouse gases emission from the soils and technogenic superficial formations of the residential zone of the city (on the example of settlement Kommunarka in Moscow)»

Toropkina M.A., Saint-Petersburg State University

«Changes in the properties of solutions of humic acids during incubation in sealed vessels»

Malysheva E.A., FSAEI of Higher Education Siberian Federal University

«Seasonal dynamics of activity of calculatorsloan in the soil as an indicator of leftover post-fire changes in the southern taiga pine forests (Central Siberia)»

Petrosyan R.D., FSBI «Upper Volga Federal Agrarian Research Center»

«Organic carbon management in Luvisols (Aric) of the Vladimir Opolye

Kurasova A.O., Konstantinov A.O., Tomsk State University

«Diversity of soils within the mineral ridges in the western part of middle taiga zone»

February 27 (Wednesday) 11⁰⁰–15⁰⁰

School session

"Soil is the heart of the ecosystem"

Central Museum of Soil Science of V.V. Dokuchaev
(Birzhevoy proyезд, 6)

Chair:

student Kholostov G.D.

Curator:

junior research scientist Timofeeva Yu.R.

1. **Alexandrova E.E., Mikhailova, M.A., Kovalenko, I.E.** (*SBI of AE «Palace of children's (youth) creativity of Moscow region», St. Petersburg*)
«Effect of growth regulators on seed germination, growth and development of strawberry seedlings»
2. **Afanasyev S.I., Ibragimova I.L.** (*SBEI «Lyceum № 389 "Center for environmental education"», St. Petersburg*)
«Determination of soil acidity on the territory of the Center for Environmental Education»
3. **Boyko V.D., Nozhkina A.S.** (*SBEI «Lyceum № 389 "Center for environmental education"», St. Petersburg*)
«Assessment of the ecological state of the soil by the salt composition of the water extract»
4. **Gerasimov I.A.** (*SBEI «Lyceum № 389 "Center for environmental education"», St. Petersburg*)
«The study of the content in the soil of the decay products of car tires»
5. **Detkova M.G., Ruban M.D., Kireev P.S.** (*State budget educational institution Secondary General School № 412, St. Petersburg*)
«Influence of ground fires on the soils of pine forests of the Luga district of the Leningrad region»
6. **Ivanova V.D.** (*PEI «Independent School "CODIV"», St. Petersburg*)
«Soil characteristics of atypical habitat of spruce undergrowth»
7. **Kazakova E.D., Mozgo K.V., Khozhainova A.A., Yurova A.P.** (*SBEI, «Secondary General School № 416», St. Petersburg*)
«Lithogenic, pedogenic and anthropogenic factors of water quality formation in the ponds of the Alexander Park of Peterhof»
8. **Kozlyayeva M.N., Tushnova A.I., Kulachenkova M.M.** (*SBEI, «Lyceum № 389 "Center for environmental education"», St. Petersburg*)
«Study of heavy metal content in the soil»

9. **Lunyak A.A., Mylnikova V.P., Onishchenko O.K.** (*SBI of AE «Palace of children's (youth) creativity of Moscow region», St. Petersburg*)
«The effect of bacterial preparations on the growth and productivity of oil radish»
10. **Stadnik E.P., Zhuravleva V.I.** (*Peterhof gymnasium of Emperor Alexander II, SBEI Secondary General School № 567, St. Petersburg*)
«The quality of water and bottom deposits in the small ponds of Peterhof and its environs»
11. **Tkhabisimov E.A., Akavova A.A., Galantseva E.A.** (*SBI of AE «Palace of children's (youth) creativity of Moscow region», St. Petersburg*)
«The influence of zinc ions on the morphology and the main vital functions of soil protozoa»
12. **Khrobrykh V.I., Bulatova A.S., Chernykh A.N.** (*SBI of AE «Palace of children's (youth) creativity of Moscow region», St. Petersburg*)
«The effect of increasing doses of mineral nitrogen on the growth processes and productivity of spring triticale»

Discussions

13⁰⁰–14⁰⁰

Coffee break

15³⁰–16⁰⁰

Tour of Museum – archive of D.I. Mendeleev (University Embankment, 7/9) for school session's participants (for 5th group).

February 27 (Wednesday) 14⁰⁰–17⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State
University, 2nd floor
(16-Ya Liniya (Vasilyevsky Island), 29)

Session «"Mendeleev periodic table" in soils»

Chair:

master's student Fedorova M.E.

Curator:

associate professor Fedorova N.N.

1. **Averyanov A.A.** (*St. Petersburg State University, St. Petersburg*)
«Estimated intensity of heavy metals accumulation in technical grade grape Melon de Bourgogne»
2. **Burachevskaya, M.V., Barakhov, A.V., Tsitsuashvili, V.S., Lobzenko, I.P.** (*Southern Federal University, Rostov-on-Don*)
«The influence of the adding of copper forms on its mobility in model experiment conditions»
3. **Gorokhova, S.M., Popova, Yu.A., Glukhikh, E.F.** (*FSBEI HE «Perm State Agro-Technological University named after Academician D.N. Pryanishnikov», Perm*)
«Elemental and mineralogical composition of concretions of hydromorphic soils of the the Cis-Ural region»
4. **Danilin I.V.** (*Lomonosov Moscow State University, Moscow*)
«Potassium status in the rhizosphere and non-rhizosphere Albic Luvisols under Norway maple (*Acer Platanoides*)
5. **Danshina A.V., Vasilyeva G.K.** (*FSBI of science «Institute of Physicochemical and Biological Problems of Soil Science Russian Academy of Sciences», FSBEI of HE «Pushchino State Institute of Natural Sciences», Pushchino*)
«Influence of pyrolyzed sewage sludge on the accumulation of heavy metals in the soil and lawn grass»
6. **Dudareva D.M., Kvitkina A.K.** (*FSBI of science «Institute of Physicochemical and Biological Problems of Soil Science Russian Academy of Sciences», Pushchino*)
«Changes in C:N:P ratios in soil and soil microbial biomass under the influence of associated gas flame»
7. **Dudnikova T.S., Sushkova S.N., Minkina T.M., Antonenko E.M., Barbashev A.I., Popileshko Ya.A., Zinchenko V.V.** (*Southern Federal University, Rostov-on-Don*)
«Influence of physical and chemical properties of soils on the content of polycyclic aromatic hydrocarbons in the impact zone of the NovoCherkassk urban district power plant»

8. **Iovcheva A.D., Enchilik P.R., Semenov I.N.** (*Lomonosov Moscow State University, Moscow*)
«Elemental composition of soils of Barabinsk steppe and Ishim plain»
9. **Kochetkova V.A.** (*Lomonosov Moscow State University, Moscow*)
«Water-soluble compounds in organic horizons of Umbric Albic Podzols and Umbric Entic Podzols under different wood»
10. **Makhinya D.V.** (*Academy of Biology and Biotechnology of Southern Federal University, Rostov-on-Don*)
«Heavy metals in the soil cover of the coast of the Taganrog Bay of the Azov Sea and the mouth area of the Don River»
11. **Mikhailova D.V.** (*Lomonosov Moscow State University, Moscow*)
«Spatial distribution of the elemental compound in soils of Satino (Kaluga region)»
12. **Popileshko Ya.A., Minkina T.M., Sushkova S.N., Antonenko E.M.** (*Academy of Biology and Biotechnology of Southern Federal University, Rostov-on-Don*)
«Benzo(a)pyrene absorption by activated charcoal»
13. **Popov S.S.** (*FSAEI of HE «Northern (Arctic) Federal University named after M.V. Lomonosov», Arkhangelsk*)
«The content of heavy metals in the soils of the polar station Russian Harbor and Cape "Zhelanie" of the archipelago Novaya Zemlya»
14. **Pyatova M.I.** (*Lomonosov Moscow State University, Moscow*)
«Elemental composition of the soils of the Elektrostal city»
15. **Trofimova A.N., Titova K.V.** (*FSAEI of HE «Northern (Arctic) Federal University named after M.V. Lomonosov», Arkhangelsk*)
«Influence of anthropogenic loads on the ecological condition on soils of Solovetsky settlement»
16. **Chaplygin V.A., Korkin G.O.** (*Southern Federal University, Rostov-on-Don*)
«The heavy metals content in *Phragmites australis* Cav. plants in technogenic pollution the area»
17. **Shestakova E.A.** (*FSBEI HE «Perm State Agro-Technological University named after Academician D.N. Pryanishnikov», Perm*)
«Geochemical coefficients of mountain soils»
18. **Shilova Yu.O., Vitkovskaya S.E.** (*Russian State Hydrometeorological University, St. Petersburg*)
«Spent chemical current sources as a reason of the soil and plant's pollution

Discussions

February 27 (Wednesday) 14⁰⁰–17⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State
University, 3rd floor
(16-Ya Liniya (Vasilyevsky Island), 29)

Session «Genesis, evolution and classification of soils»

Chair:
student Voevodskaya A.A.

Curator:
associate professor Kasatkina G.A.

Invited report:

Vybornova O., Hoeppli L., Pfeiffer E.-M. (*University of Hamburg, Institute of Soil Science, Hamburg, Germany*)

«CO₂ and CH₄ production potentials in soils of a degraded peatland under rewetting»

1. **Agadzhanova N.V., Konyushkova M.V.** (*Lomonosov Moscow State University, Moscow*)
«The morphological indicators of pedogenetic processes in the Northern Dagestan»
2. **Bulysheva A.M., Bakunovich N.O.** (*St. Petersburg State University, St. Petersburg; FSBI of science «Institute of Physicochemical and Biological Problems of Soil Science Russian Academy of Sciences», Pushchino*)
«Changes in properties and carbonate state of fallow soils of the Lipetsk region (Reserve “Galichya Gora”)»
3. **Valevich T.O.** (*Tomsk State University, Tomsk*)
«Features of the formation of soils in the larch forests in the humid and cryoarid climate of the Southern Siberia mountains»
4. **Vasilyeva A.V.** (*Irkutsk State University, Irkutsk*)
«Characteristics of Fluvisols of the high floodplain of river «Belaya» (Priangare)»
5. **Vorobyova A.A.** (*Lomonosov Moscow State University, Moscow*)
«Transformation of biotite in the upper mineral horizon of Albic Luvisols during the four-year-long field experiment»
6. **Votyakova V.S.** (*FSBEI HE «Perm State Agro-Technological University named after Academician D.N. Pryanishnikov», Perm*)
«On reference and rare soils of the Middle Taiga»
7. **Golovleva Yu.A., Fillipov N.V.** (*Lomonosov Moscow State University, Moscow; Institute for Biological Problems of Cryolithozone Siberian Branch of Russian Academy of Sciences, Yakutsk*)
«Diversity of loamy taiga soils on the terraces of large Siberian rivers»

8. **Denisova E.E.** (*Lomonosov Moscow State University, Moscow*)
«Diversity of soils under meadows on south-east of the Central Forest Nature Reserve»
9. **Ilyichev P.A.** (*Lomonosov Moscow State University, Moscow*)
«Clay minerals in sub-fraction of clay fraction of Umbric Gleysols»
10. **Kuzmina D.M.** (*Tomsk State University, Tomsk*)
«The impact of peasant agriculture 16-20 centuries on the properties of humus horizons of soils of the Tom-Yaya Interfluve»
11. **Kukushkina D.I., Buzylev A.V.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Ecological assessment of the influence of soil moisture on the development of woody and ground cover of the slope meso-relief of Forest Experimental Villa of FSBEI HE “Russian Timiryazev State Agrarian University”»)
12. **Lazareva M.A.** (*Central Museum of Soil Science of V.V. Dokuchaev, St. Petersburg; V.V. Dokuchaev Soil Science Institute, Moscow*)
«Relief as a factor of soil formation in the conditions of the Leningrad region»
13. **Lomovtseva D.D., Kiseleva N. D.** (*Irkutsk State University, Irkutsk*)
«The use of soil Nukutskiy district of the Irkutsk region (the southern Angara region)»
14. **Minaeva E.V.** (*Southern Federal University, Rostov-on-Don*)
«On the formation of carbonate and gypsiferous horizons in Chernozems and Kastanozems of the Rostov region»
15. **Novikova A.S.** (*Tomsk State University, Tomsk*)
«Reflection of the stage of soil formation in the humus profile of Fluvisols»
16. **Piskareva V.M.** (*Lomonosov Moscow State University, Moscow*)
«Wildfires effect on soil properties of the "Leopard Land" national park and the "Kedrovaja fold" natural reserve»

Discussions

February 28 (Thursday)
9⁰⁰–13⁰⁰ (Coffee break 14⁰⁰–15⁰⁰)

Department of Soil Science and Soil Ecology of St. Petersburg State
University, 2nd floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «Physical processes in soils»

Chair: senior research scientist
Mingareeva E.V.

Curator:
associate professor Fedorova N.N.

1. **Barbashev A.I.** (*Academy of Biology and Biotechnology of Southern Federal University, Rostov-on-Don*)
«Mechanical composition of soils determined by laser diffraction method, with model pollution by benzo(a) pyrene»
2. **Vyrypaeva K.V., Trukhin S.D.** (*FSBEI HE «Perm State Agro-Technological University named after Academician D.N. Pryanishnikov», Perm*)
«Magnetic spheres in the soils of suburban forests of Perm»
3. **Ilyushkova E.M.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Agri-environmental assessment of soil structure»
4. **Kozlov A.V.** (*Minin University, Nizhny Novgorod*)
«Indicators of buffer action intensity and acid-main balance of Umbric Albic Luvisols in its interaction with bentonite»
5. **Lonshakova A.A., Korkin F.S.** (*Nizhnevartovsk State University, Nizhnevartovsk*)
«Penetration of water automorphic soils in the taiga zone of the west Siberian plain»
6. **Martynova D.O.** (*Irkutsk State University, Irkutsk*)
«The processes of water erosion in the Olkhon region»
7. **Migdisova I.A., Abrosimov K.N.** (*Lomonosov Moscow State University, Moscow*)
«The tomographic study of the pore space of soils: the correlation between tomographic parameters and physical properties of soils»
8. **Tokmakova V.S.** (*Lomonosov Moscow State University, Moscow*)
«Change in hydrophysical properties of soils of the Usinsk region of the Komi Republic under the influence of oil contamination and subsequent reclamation»
9. **Khoryakova Ya.V.** (*Southern Federal University, Rostov-on-Don*)
«Methodological approaches to the study of the interaction of solid and liquid phases of the swelling soils»

Discussions

February 28 (Thursday)
9⁰⁰–14⁰⁰ (Coffee break 14⁰⁰–15⁰⁰)

Department of Soil Science and Soil Ecology of St. Petersburg
State University, 3rd floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «*Study of soil organic matter*»

Chair:

PhD's student Toropkina M.A.

Curator:

associate professor Chukov S.N.

1. **Vakhidova Ya.Sh., Prozorova L.B.** (*FSBEI HE «Perm State Agro-Technological University named after Academician D.N. Pryanishnikov», Perm*)
«Content of water-soluble organic matter in different soil types»
2. **Illichev I.A.** (*Lomonosov Moscow State University, Moscow*)
«Soil-based ecosystem services of the Nikitsky Botanical Garden in Crimea, Yalta»
3. **Kovyazin N.N.** (*FSBEI HE «Perm State Agro-Technological University named after Academician D.N. Pryanishnikov», Perm*)
«Organic matter of Luvisols (Aric) of the Kungur forest-steppe»
4. **Kozlova A.V.** (*FSBI «All-Russian Research Institute of Agrochemistry named D.N. Pryanishnikov», Moscow*)
«Changes in the group composition of humus Umbric Albic Luvisols in the conditions of long-term use of various fertilizer systems»
5. **Kupriyanov A.N.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Physico-chemical methods for the study of soil organic matter with long-term fertilizer application»
6. **Kuroedova EI, Buzylev A.V.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Environmental assessment of the distribution of organic matter in different versions on the mesorelief of Forest Experimental Villa of FSBEI HE «Russian Timiryazev State Agrarian University»»
7. **Logvinova L.A., Zykova M.V., Krivoschekov S.V., Golubina O.A., Belousov M.V.** (*FSBEI HE «Siberia State Medical University» MOH Russia», Tomsk*)
«Development of approaches to quality control of humic acids»
8. **Maslov M.N., Maslova O.A.** (*Lomonosov Moscow State University, Moscow*)
«The influence of the fire intensity on the mountain tundra ecosystem soil organic matter's active pool»

9. **Ryumin A.G., Toropkina M.A.** (*St. Petersburg State University, St. Petersburg*)
«Using algae *Chlorella vulgaris* to assess the physiological activity of humic acids»
10. **Tokareva O.A., Maslov M.N.** (*Lomonosov Moscow State University, Moscow*)
«The organic matter in soils of the Rybachy Peninsula»
11. **Uskova N.V.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Assessment of the impact of long-term use of fertilizers on the humus state of the soil, the structure and quality of the crop of winter rye»
12. **Shatskaya P.R.** (*FSBEI HE «Samara State Medical University» MOH Russia» Samara*)
«Reparative activity of a substance based on peloids»
13. **Mohamed Hafez** (*St. Petersburg State University, Arid Lands Cultivation Research Institute, City of Scientific Research and Technological Applications, New Borg El-Arab City, Alexandria, Egypt*)
«Effect of bacteria inoculation with organic wastes incubation on the chemical and biological properties of saline soil in Egypt»

Discussions

February 28 (Thursday)
9⁰⁰–14⁰⁰ (Coffee break 14⁰⁰–15⁰⁰)

Department of agricultural chemistry of Saint-Petersburg State University,
4th floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «Mineral nutrition of plants»

Chair:

master's student Lukina K.A.

Curator:

associate professor Bitvutsky N.P.

1. **Abramova T.V.** (*Agrophysical Research Institute, St. Petersburg*)
«Leaching of major elements of plants supplies from Umbric Albic Podzols with biochar application»
2. **Belozerova E.A.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Mineral nutrition of spring grow wheat of the variety «Lyubava» on the example of experimental plots of environmental station FSBEI HE «Russian Timiryazev State Agrarian University»»

3. **Vasilyeva M.S.** (*FSBI «All-Russian Research Institute of Agrochemistry named D.N. Pryanishnikov», Moscow*)
«Assessment of efficiency of the use of mineral and organic fertilizers to improve the fertility of chernozems»
4. **Vigilyansky Yu.M., Seregina I.I., Belopukhov S.L., Dmitrevskaya I.I.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Productivity of spring wheat «Yubileynaya 80» variety with selenium fertilizer affection»
5. **Ganichev I.A., Ryumin A.G.** (*St. Petersburg State University, St. Petersburg*)
«Using the parameters of the chlorophyll fluorescence induction curve (“OJIP test”) for diagnosing the availability of plants with iron and nitrogen»
6. **Glushkov P.K.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Agroecological evaluation of the seasonal dynamics of soil nitrous oxide flows from Umbric Albic Luvisols (Aric, Technic) in the central part of Russia under using nitrogen fertilizers with ureas inhibitor»
7. **Ilchenko Ya.I.** (*Southern Federal University, Rostov-on-Don*)
«Evaluation the efficiency of application of mineral fertilizers on winter wheat at no-till technology»
8. **Iskandirova Yu.R.** (*St. Petersburg State University, St. Petersburg*)
«The influence of biochar and siderat on the transformation of the mineral forms of nitrogen in soil polluted by cadmium»
9. **Melnikova A.A.** (*Lomonosov Moscow State University*)
«Phosphate regime of Umbric Albic Luvisols in case of intensive application of agrochemicals»
10. **Miloserdova V.A.** (*St. Petersburg State University, St. Petersburg*)
«The influence of biochar on the content of labile carbon and nitrogen in the soil»
11. **Popov A.E., Dubinina M.N., Skripnikov P.N.** (*Southern Federal University, Rostov-on-Don*)
«The dynamics of nutrients in soil at growing fruit trees cuttings by introducing humic preparation»
12. **Stolyarov M.E.** (*FSBI «All-Russian Research Institute of fruit crops breeding», Oryol*)
«Features of the nitrogen and potash regime of Luvisols in the young apple garden»
13. **Uskov A.V., Vigilyansky Yu.M.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Effect of different methods of sodium selenite application on yield and quality of white lupine»

Discussions

February 28 (Thursday) 15⁰⁰–18⁰⁰

Department of agricultural chemistry of Saint-Petersburg State University,
4th floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «*Properties and processes of anthropogenically-transformed soils*»

Chair:
master's student Averyanov A.A.

Curator:
associate professor Yakkonen K.L.

Invited report:

Valkama E., Acutis M. (*Natural Resources Institute Finland, Turku*)

«Can conservation agriculture store organic carbon in soil?»

1. **Vasilchenko S.A., Metlina G.V.** (*SSE «Agricultural research center «Donskoy», Zernograd*)
«Nutrition regimes and the application of bacterial fertilizers for chickpea in Chernozems of the Rostov region)
2. **Glebova A.A.** (*Lomonosov Moscow State University, Moscow*)
«Reducing of the contamination of winter wheat seedlings with *Fusarium* fungi by adding of the detritus subsidies: laboratory experiment»
3. **Gorepekin I.V.** (*Lomonosov Moscow State University, Moscow*)
«Reducing of the influence of allelopathic toxicosis of soils on the development of grain seeds»
4. **Dubinina M.N., Lykhman V.A.** (*FSBSI «Federal Rostov Agricultural Research Centre», Rostov-on-Don*)
«Reduction of posticidal impact by using humin preparations on crops of winter wheat»
5. **Polyakova Yu.Yu.** (*Southern Federal University, Rostov-on-Don*)
«Quality of a crop of grain of winter wheat in the soil-climatic conditions of the Rostov region»
6. **Primak P.A., Durova A.S.** (*FSBEI of HE «Saint-Petersburg State Forest Technical University, St. Petersburg*)
«The use of the drug "Pospeta" in the cultivation of winter wheat in the farm "Gonezhuk" of the Krasnodar Territory»
7. **Sabirova R.V.** (*Lomonosov Moscow State University, Moscow*)
«The colonization of the alpine ecosystem plant roots by arbuscular mycorrhizal fungi»
8. **Seregin I.A.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«A description of the evolution of the biomass of potato on the territory of the Center for Precision Agriculture of FSBEI HE «Russian Timiryazev State Agrarian University»

9. **Solovyova N.E.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Formation of the quality of brewing grain depending on the nutrition regime in cultivation on Umbric Albic Luvisols»
10. **Titova K.V., Sloboda A.A.** (*FSAEI of HE «Northern (Arctic) Federal University named after M.V. Lomonosov», Arkhangelsk*)
«Catalase activity in the soil of the Solovetsky settlement»
11. **Yakovlev A.A., Sergeeva A.S.** (*FSBEI of HE «Saint-Petersburg State Forest Technical University, St. Petersburg*)
«Influence of soil conditions on natural forest regeneration on old arable lands»

Discussions

February 28 (Thursday) 14⁰⁰–18⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State University, 3rd floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «Modern technologies in soil science»

Chair:

PhD's student Simonova Yu.V.

Curator:

senior teacher Sheshukova A.N.

1. **Barsukova E.A., Litvinov Yu.A.** (*Southern Federal University, Rostov-on-Don*)
«Development of principles of the Red Book of soils of the Rostov region using GIS technologies»
2. **Belyaeva M.V.** (*Lomonosov Moscow State University, Moscow*)
«Comparative characteristic of the Russian Federation regions by indicators of land degradation neutrality»
3. **Golikov M.V., Semenov M.V.** (*Lomonosov Moscow State University, Moscow*)
«Taxonomic structure and ecophysiological status of microbiome of Luvisols at various convenient loads»
4. **Goncharov N.V.** (*Lomonosov Moscow State University, Moscow*)
«Identification of the spatial laws of the magnetic susceptibility of the soil of the recreational zones of the city»
5. **Zemskov F.I., Ilichev I.A., Voropanov M.G.** (*Lomonosov Moscow State University, Moscow*)

- «Using standardized samples of various materials in decomposition researches of various phytocenoses»
6. **Ilicheva P.I.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Integral estimation of reductive-oxidative soil constitution»
 7. **Kalnin T.G.** (*Lomonosov Moscow State University, Moscow*)
«Physical degradation and tomography of soil porosity»
 8. **Kravchenko E.I.** (*Lomonosov Moscow State University, Moscow*)
«Application of Ionometry and X-ray fluorescence analysis methods for estimation of soil salinization»
 9. **Kryuchkova M.O., Vorobyova E.A., Ivanova A.E., Cheptsov V.S., Pavlov A.K.** (*Lomonosov Moscow State University, Moscow*)
«How does the exposure to high-energy electrons (HEE) affect the mycobiota from desert soils?»
 10. **Ogorodnikov S.S.** (*Lomonosov Moscow State University, Moscow*)
«The application of the concept of a neutral balance of land degradation on the territory of Russia»
 11. **Poletaev A.O.** (*FSAEI of Higher Education «Belgorod State National Research University», Belgorod*)
«The possibility of using GIS technology in determining the rockiness of soils»
 12. **Rudik N.I.** (*Lomonosov Moscow State University, Moscow*)
«Soil trends in the Belgorod region, based on LANDSAT satellite data»
 13. **Suzdaleva A.V.** (*Lomonosov Moscow State University, Moscow*)
«Soil tomography: modern view on the structure of pore space»
 14. **Fomicheva D.V.** (*Lomonosov Moscow State University, Moscow*)
«Comparative evaluation of erosion-accumulation processes calculated by WATEM / SEDEM with soil-morphological and radio-cesium methods»
 15. **Shmelev L.A.** (*Lomonosov Moscow State University, Moscow*)
«Usening R for visualization and the spatial analysis of soil data»

Discussions

February 28 (Thursday) 15⁰⁰–18⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State University, 2nd floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «Soil-memory»

Chair:

PhD's student Revunova A.O.

Curator:

professor Rusakov A.V.

1. **Demina S.A.** (*Peoples' Friendship University of Russia, Moscow*)
«Microbial Properties of urban soils with different land-use history in New Moscow»
2. **Duschanova K.S.** (*FSBI of science «Institute of Physicochemical and Biological Problems of Soil Science Russian Academy of Sciences», Pushchino*)
«Search for indicators of the state of microbial communities for the study of soil-ground material in archaeological contexts»
3. **Zhigaleva Ya.S.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Use of the microbiomorph analysis in the reconstruction of conditions for the formation of vegetation cover of the Kolyma tundra»
4. **Petrosyan, A.A., Plekhanov, L.N.** (*FSBEI of HE «Pushchino State Institute of Natural Sciences», FSBI of science «Institute of Physicochemical and Biological Problems of Soil Science Russian Academy of Sciences», Pushchino*)
«Paleo-soil studies of Slavic sites in the Kremenie settlement of the Moscow region»
5. **Pinskoy V.N.** (*FSBEI of HE «Pushchino State Institute of Natural Sciences», Pushchino*)
«Periods of soil formation and sediment accumulation in the valleys of small rivers in the Caucasus and the steppe zone»
6. **Revunova A.O.** (*St. Petersburg State University, St. Petersburg*)
«Features of the buried early Pleistocene soils of the Lori depression, Armenia»
7. **Reshetnikova R.A., Kovaleva N.O.** (*Lomonosov Moscow State University, Moscow*)
«Soils of the southern coast of Crimea (on the example of the Cape Martian soils) as a source of paleoecological information»

8. **Smirnov M.V., Kozyrev A.S., Sterkhova I.V.** (*Irkutsk State University, Irkutsk*)
«Early Sartanian solifluction on the example of the SJSC "Tuyana" (Republic of Buryatia)»
9. **Fedorova M.E.** (*St. Petersburg State University, St. Petersburg*)
«Soil properties of the chronosequence of the archaeological monument Zabel'e 1 (east of the Leningrad Region)»
10. **Filimonova A.V., Shikhova L.N.** (*FSBEI of HE «Vyatka state agricultural academy», Kirov*)
«Paleopalynological analysis of soils with the second humus horizon in the North-East of the European part of Russia»
11. **Buró B.** (*MTA Atomki, Icer, Debrecen, Hungary*)
«Origin and properties of the "kovárvány" layers in the aeolian sandy deposits in case of the alluvial fan of the Nyírség, Hungary»

Discussions

March 1, 2019 (Friday) 9⁰⁰–12⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State University, 2nd floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «Genesis, evolution and classification of soils»

| | |
|----------------------------------|-------------------------------------|
| Chair: | Curator: |
| research scientist Lazareva M.A. | associate professor Bakhmatova K.A. |

1. **Ryzhikov I.S., Lukin M.V., Makarenko A.K., Zemskov F.I.** (*Lomonosov Moscow State University, Moscow*)
«Methodic of litter fall sampling and quantification: a comparison of three editions of the method»
2. **Sayranova P.Sh.** (*FSBEI HE «Perm State Agro-Technological University named after Academician D.N. Pryanishnikov», Perm*)
«Polydisperse system of mountain soils of the " Vishersky " reserve»
3. **Safin A.R.** (*Nizhnevartovsk State University, Nizhnevartovsk*)
«Hydrological regime of soils of the middle-taiga subzone of the West Siberian Plain»
4. **Stashkevich A.S., Kiseleva N.D.** (*Irkutsk State University, Irkutsk*)
«Morphological and analytical characteristics of the main types of soils of the Nukutsky District (Southern Angara Region)»

5. **Tikhonova M.V.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Influence of soil characteristics on the forest stand condition of FSBEI HE “Russian Timiryazev State Agrarian University”»
6. **Tolstygin K.D.** (*Lomonosov Moscow State University, Moscow*)
«The changes in some physical and chemical properties of peat soils over a 50-year period»
7. **Ulanovskaya L.N.** (*Pedagogical Institute of the Irkutsk State University, Irkutsk*)
«Algae and cyanobacteria of saline soils in the Olkhon region»
8. **Khmeleva V.V.** (*FSBEI HE «Perm State Agro-Technological University named after Academician D.N. Pryanishnikov», Perm*)
«Morphogenetic characteristics of Podzols in the Northern Basegi (Middle Ural)»
9. **Michalak J., Jankowski M.** (*Nicolaus Copernicus University, Toruń, Poland*)
«Soil forming processes reflected in composition of heavy minerals in some sandy soils from young glacial area»
10. **Ndzana G.M., Huang L., Zhang Z.Y.** (*Huazhong Agricultural University, Wuhan, China*)
«Characteristics of clay minerals in soil particles from an Alfisol in central China»
11. **Sivaranjani S.** (*Forest Research Institute, Research Scholar, Dehradun, India*)
«Seasonal variations in soil respiration under *Pinus roxburghii* plantations»

Discussions

March 1, 2019 (Friday) 9⁰⁰–12⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State University, 3rd floor (16-Ya Liniya (Vasilyevsky Island), 29)

Poster session

Chair:
student Sazanova E.V.

Curator:
lead research scientist Pyatina E.V.

1. **Achkasov D.A., Schepeleva A.S., Stepanov A.V.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Functional and environmental assessment of organic C using lawn ecosystems in the conditions of Moscow»
2. **Borisov P.B., Ivanova I.A., Godymchuk M.A.** (*FSBEI HE «Siberia State Medical University» MOH Russia», Tomsk*)
«The content of microelements in peat materials of eutrophic swamps»
3. **Guseva I.A., Gordeeva K.A.** (*Kazan (Volga region) Federal University, Kazan*)
«The effect of linden pyrocarbon on the growth rates of greenhouse crops»
4. **Kaplan A.V.** (*St. Petersburg State University, St. Petersburg*)
«The influence of biochar on the activity of microbiological processes in Luvisols (Aric)»
5. **Kislyakova M.R.** (*Novocherkassk engineering and meliorative institute of FSBE I HE «Don State Agrarian University», Novocherkassk*)
«Ecogenetic condition of humus in Chernozems of the Rostov region»
6. **Kozlov A.V., Kulikova A.Kh.** (*Minin University, Nizhny Novgorod*)
«Silicon, phosphorus and potassium in Umbric Albic Luvisols (Loamic fertilized by diatomite)»
7. **Kucherenko A.V.** (*Academy of Biology and Biotechnology of Southern Federal University, Rostov-on-Don*)
«The impact of no-till technology on the content of microelements (Cu, Zn, Mn, Co) in Chernozems»
8. **Likhovidova A.A., Propastina E.P.** (*Academy of Biology and Biotechnology of Southern Federal University, Rostov-on-Don*)
«Chickpea yield in modern agro-technologies»
9. **Loshkareva D.S.** (*FSBEI HE «Samara State Medical University» MOH Russia» Samara*)
«Humic acids as an effective remedy at damage mucous rectum»
10. **Medvedeva A.M.** (*Southern Federal University, Rostov-on-Don*)

- «The content of mineral nitrogen in Chernozems under different agrotechnologies»
11. **Melnik I.V.** (*Lomonosov Moscow State University, Moscow*)
«The assessment of moist and flow normalization procedures and environmental status at “Zapolyarny – Novyy Urengoy “ Pipeline»
 12. **Okunev R.V., Guseva I.A.** (*Kazan (Volga region) Federal University, Kazan*)
«Biodegradation of polycyclic aromatic compounds of pyrocarbon of linden on low-temperature pyrolysis in the soil»
 13. **Pardaev S.B., Ortikov T.K.** (*Samarkand State University, Samarkand, Uzbekistan*)
«Practical ways to improve the humus soil condition of sierozem soils of Uzbekistan»
 14. **Propastina E.P., Likhovidova A.A., Ziborov A.S.** (*Academy of Biology and Biotechnology of Southern Federal University, Rostov-on-Don*)
«Content of heavy metals (Zn, Cu, Pb, Cd) in corn grain in the introduction of mineral fertilizers»
 15. **Raudina T.V., Loyko S.V.** (*Tomsk State University, Tomsk*)
«Soil solutions within different micro-landscapes (example of the West Siberian frozen bogs)»
 16. **Romanova A.S., Tashtanova G.M.** (*Southern Federal University, Rostov-on-Don*)
«Comparison of the microbiological activity of Chernozems and Phaeozems (Novic, Technic) of Rostov-on-don and soils of the Botanical garden of Southern Federal University»
 17. **Ryabinkina V.D.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Ecological and microbiological analysis of the soil condition around the landfill “Levoberezhniy” (the Moscow region)»
 18. **Sloboda, A.A., Shvakova, E.V.** (*FSAEI of HE «Northern (Arctic) Federal University named after M.V. Lomonosov», Arkhangelsk*)
«The effect of pollution by oil and oil products on soil urease activity at various temperature conditions»
 19. **Suleymanov A.R.** (*Ufa Institute of biology of the Russian Academy of Sciences, Ufa*)
«Digital modeling and mapping of erosion processes in irrigated areas»
 20. **Tashtanova G.M., Romanova A.S., Bolokha K.A., Dubinina M.N.** (*Southern Federal University, Rostov-on-Don*)
«Influence of humic preparation «Bio-Don» on structure»

21. **Titarenko K.S.** (*Academy of Biology and Biotechnology of Southern Federal University, Rostov-on-Don*)
«The total composition of Cambisols»
22. **Utaliev A.A.** (*FSBEI of HE «Astrakhan State University», Astrakhan*)
«Environmental assessment of the state of soils for agriculture in the gas processing complex zone of influence»
23. **Shamshitov A.T.** (*Manash Kozybayev North Kazakhstan State University, Petropavlovsk, Kazakhstan*)
«Monitoring of the state of technologically disturbed lands of the Tishinsky mining deposit of the East Kazakhstan region in the post-recultivation period»
24. **Michalak J., Jankowski M.** (*Nicolaus Copernicus University, Toruń, Poland*)
«Vertical distribution of quartz/feldspars ratio in sandy soils from young glacial area»
25. **Mohammed S.A., Harsányi H. Ali E.** (*Institute of Land Use, Technology and Regional Development, University of Debrecen, Debrecen, Hungary; Department of Natural Resources Management, General Commission for Scientific Agricultural Research, Damascus, Syria*)
«The effect of climate change in Syrian soils, Daraa Governorate as a Case Study»
26. **Sándor G.** (*Szent István University, Budapest, Hungary*)
«Impact of land use on the soil properties in urban environment»

Discussions

March 1, 2019 (Friday) 12⁰⁰–13⁰⁰

Laying flowers will be held on the grave of V.V. Dokuchaev
(Smolensk cemetery).

Meeting in front of entrance of the Department of Soil Science and Soil
Ecology of St. Petersburg State University
(16-Ya Liniya (Vasilyevsky Island), 29)

13⁰⁰–14⁰⁰

Coffee break

March 1, 2019 (Friday) 14⁰⁰–18⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State
University, 2nd floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «*Properties and processes of anthropogenically-transformed soils*»

Chair:

student Kholostov G.D.

Curator:

professor Popov A.I.

1. **Belik A.D.** (*Lomonosov Moscow State University, Moscow*)
«Hydrocarbon geochemical fields in the area of Zhirnovsk town (the Volgograd region, Russia)»
2. **Bolshakova V.V.** (*Lomonosov Moscow State University, Moscow*)
«Properties of urban road dust and soils polluted by it in the conditions of Moscow»
3. **Gavrilova V.I.** (*Lomonosov Moscow State University, Moscow*)
«Anthropogenically transformed soils of the dendrology garden of S.F. Kharitonov (Pereslavl-Zalessky)»
4. **Dunaeva A.A.** (*Lomonosov Moscow State University, Moscow*)
«Basic physical and chemical properties of Moscow and Lyuberets road dust»
5. **Edemskaya V.A., Stepanov A.V.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Functional and ecological assessment of Technosols created for lawn ecosystems»
6. **Kalikina A.L., Kiseleva N.A.** (*FSAEI of HE «Northern (Arctic) Federal University named after M.V. Lomonosov», Arkhangelsk*)
«Agrochemical properties of urban soils (by example of square in Arkhangelsk)»

7. **Kostin A.S.** (*Lomonosov Moscow State University, Moscow*)
«Transformation of properties of Umbric Albic Luvisols in brown coal mining areas (a case study of Moscow basin)»
8. **Nabelkina K.S., Kapustina I.S.** (*Lomonosov Moscow State University, Moscow*)
«Accumulation of heavy metals and metalloids in the road dust and soil of the South-Eastern district of Moscow»
9. **Pakhorukov I.V.** (*FSBEI of HE «Perm State National Research University», Perm*)
«Influence of tailing dump on the composition of salts and exchange bases in Fluvisols of the taiga zone»
10. **Reshetov R.S., Pogozhev D.A., Koshelkova M.M., Gir A.A., Kostylev A.A., Chernova T.V.** (*Bauman Moscow State Technical University», Moscow*)
«Modeling of soil mixture to the planting sites in the Moscow region»
11. **Romzaykina O.N.** (*Peoples' Friendship University of Russia, Moscow*)
«Assessment of ecosystem services of man-made soils of New Moscow»
12. **Sinichkina M.A.** (*Lomonosov Moscow State University, Moscow*)
«The accumulation of heavy metals in *Festuca rubra* in a field experiment on the rehabilitation of contaminated soil»
13. **Tarasova E.A.** (*Peoples' Friendship University of Russia, Moscow*)
«Analysis and forecasting of the impact of urbanization on the quality of soils on the example of New Moscow»
14. **Shishkina E.I.** (*Lomonosov Moscow State University, Moscow*)
«Carbon dioxide emission from anthropogenically modified and natural soils of green areas on the Teplostanskaya hill in Moscow»
15. **Karam Singh D.S., Rajoo K. S.** (*Universiti Putra Malaysia, Selangor, Malaysia*)
«Measuring leachate contamination at selected landfill and dumpsites using the proposed leachate pollution index for developing countries (LPIDC)»

Discussions

March 1, 2019 (Friday) 14⁰⁰–18⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State University, 3rd floor (16-Ya Liniya (Vasilyevsky Island), 29)

Session «*Properties and processes of anthropogenically transformed soils*»

Chair:

student Igumnova V.A.

Curator:

research scientist Shtangeeva I.V.

1. **Alexandrov N.A.** (FSBEI HE «Russian Timiryazev State Agrarian University», Moscow)
«The study of anthropogenically modified soils on the example of test plots of environmental station of FSBEI HE “Russian Timiryazev State Agrarian University”»
2. **Bykov Yu.S., Ilintsev A.S., Soldatova D.N.** (FFA «Northern Research Institute of Forestry», FSAEI of HE «Northern (Arctic) Federal University named after M.V. Lomonosov», Arkhangelsk)
«The disturbance classification of the soil surface on clearings in the forests of the Arkhangelsk region»
3. **Durova A.S.** (FSBEI of HE «Saint-Petersburg State Forest Technical University, St. Petersburg)
«Characteristics of soils of forest nurseries of the Leningrad Region»
4. **Ivanov E.D.** (FSBEI of HE «Saint-Petersburg State University of Civil Aviation», St. Petersburg)
«Horizontal distribution of cesium-137 in the soil of pine forest»
5. **Ilintsev A.S., Bykov Yu.S., Ershov R.A., Bogdanov A.P.** (FFA «Northern Research Institute of Forestry», Arkhangelsk)
«Dynamics of some physical properties of Podzols after clear-cutting in the forests of the Arkhangelsk region»
6. **Komarova T.V.** (FSBEI HE «Russian Timiryazev State Agrarian University», Moscow)
«Environmental assessment of carbon pools and CO₂ emissions from overgrowing in the Central forest reserve»
7. **Kuznetsova S.D.** (FSBEI HE «Russian Timiryazev State Agrarian University», Moscow)
«Cellulosolytic activity of Umbric Albic Luvisols in a chronograph of postagrogenic succession in the conditions of the Central Forest State Biospheric Reserve»
8. **Mayorova A.N., Tikhonova M.V.** (FSBEI HE «Russian Timiryazev State Agrarian University», Moscow)

- «Degradation processes of highly cultured Chernozems (Aric) of the Bashmakovsky district of the Penza Region»
9. **Margolina A.O.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Agroecological evaluation of the Chernozems quality heterogeneity in conditions of the Samara region»
 10. **Matyugin V.A., Sherstnev A.K.** (*Southern Federal University, Rostov-on-Don*)
«Gross chemical composition of the red-book soils of the Rostov region»
 11. **Potapova A.V., Bukhonov A.V.** (*FSBI of science «Institute of Physicochemical and Biological Problems of Soil Science Russian Academy of Sciences», Pushchino*)
«Changes in the soil cover under the pasture load of varying degrees in the conditions of the steppe zone»
 12. **Skoblikova E.A., Kudina E.V., Smirnov M.V., Goncharuk T.A.** (*Irkutsk State University, Irkutsk*)
«Changes of soil properties under the pasture load in the Ritsinsky Relic National Park (Republic of Abkhazia)»
 13. **Timofeeva Yu.R.** (*Central Museum of Soil Science of V.V. Dokuchaev, St. Petersburg*)
«Assessment of the agro-resource potential of soils of the Leningrad region»
 14. **Troshina E.A., Lopatovskaya O.G.** (*Irkutsk State University, Irkutsk*)
«Anthropogenic impact on soils of Cape “Burkhan”, Island “Olkhon”»
 15. **Ulyanov D.A.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Assessment of the impact of livestock grazing on properties of soils of the dry steppe zone in the western slope of the Yergenin Hill»
 16. **Chernyavskiy V.S.** (*FSBEI HE «Russian Timiryazev State Agrarian University», Moscow*)
«Influence of abiotic factors on anthropogenic soils on the example of test plots of the environmental station of FSBEI HE “Russian Timiryazev State Agrarian University”»

March 2, 2019 (Saturday) 11⁰⁰–13⁰⁰

Department of Soil Science and Soil Ecology of St. Petersburg State
University, 3rd floor (16-Ya Liniya (Vasilyevsky Island), 29)

The closing of the conference, performances of chairs and curators of sessions.

The adoption of a resolution, the issuance of certificates and the awarding of the authors of the best reports.

Notes



ANALIT

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