



Ministry of Science and Higher Education of the Russian Federation
Saint Petersburg State University. Institute of Earth Sciences
Dokuchaev Central Soil Science Museum –
branch of FSBSI FRC V.V. Dokuchaev Soil Science Institute
ANO Preservation and development of Dokuchaev scientific heritage «Soil – life»
Dokuchaev Society of Soil Science
Interregional CSO «Nature protection union»

Informational letter № 1



INTERNATIONAL SCIENTIFIC CONFERENCE XXX DOKUCHAEV CONFERENCE FOR YOUNG SCIENTISTS

**«Soil is life: soil science as a key element in the
study of the biosphere and anthroposphere»**

devoted to
the 100th anniversary of the V.V. Dokuchaev Soil Science Institute

1 – 4 March 2027 г.
St. Petersburg, Russia

Dear colleagues!

The organizing committee of the International Scientific Conference Dokuchaev Conference for Young Scientists invites you to take part in the XXX anniversary readings **«Soil is life: soil science as a key element in the study of the biosphere and anthroposphere»**, which will take place on 1 – 4 March 2027 in St. Petersburg.

For 30 years, the Dokuchaev Youth Readings have served as a unique platform where students, Ph.D. students and young scientists have the opportunity to present the results of their research in soil science and related fields to the scientific community. This allows you to not only acquire relevant knowledge in theoretical and applied matters, but also gain valuable experience in speaking and interacting with an audience before defending your thesis or dissertation, and find like-minded people among colleagues from other cities in Russia, as well as from countries near and far abroad.

The 30th anniversary Dokuchaev Youth Readings are dedicated to an important date: the 100th anniversary of the V.V. Dokuchaev Soil Science Institute. For a century, the Soil Science Institute's scientific research, combining fundamental science with applied tasks solving, has been a key element in the rational use and conservation of Russia's soil cover. The future of our science and the expansion of its century-old heritage are in the hands of the current generation of young scientists. We invite you to present your research at the XXX Youth Dokuchaev Readings!

The anniversary conference will cover current issues in modern soil science and related sciences: from fertility management and monitoring natural ecosystems to the study of urban soils, paleosol archives, and bio-inert interactions.

Topics of the conference:

1. Preservation of fertility and sustainable development of agricultural lands
2. Features of soil functioning in urbanized and industrial areas
3. Soil ecosystem services and modern methods of the monitoring of the soil cover state
4. Soil as a habitat: features of bio-inert interactions
5. Analysis of the spatial-structural organization of the soil cover
6. Reconstruction of environmental dynamics based on paleosol data

Organizing committee of the XXX Dokuchaev conference for young scientists
«Soil is life: soil science as a key element in the study of the biosphere and anthroposphere»
September 01, 2026

ОРГАНИЗАЦИОННАЯ ИНФОРМАЦИЯ

Participants of the conference can be students (specialist's degree, bachelor's degree, master's degree), Ph.D. students and young scientists, Ph.D. under 35 years old inclusively, Dr. under 40 years old inclusively.

Languages of conference: Russian, English

Forms of participation: off-line and absentia with the possibility of on-line presentation*

*The absentia form of participation involves both the publication of abstracts in the Conference proceedings without an oral presentation, and with an oral presentation in on-line.

Forms of presentations:** poster (A1 format) and oral

**Only for off-line participants

To participate in the conference as a speaker you should:

- fill out **an application for participation before November 15, 2026** on the conference website in the section "Participate" <http://www.dokuchaevskie.ru/participate>. Participants can indicate their wishes for the selection of the session, form of participation and form of presentation, but the final distribution of participants by sections will be carried out by the organizing committee. The organizing committee reserves the right to reject applications that do not correspond to the conference topic.
- be uploaded **abstracts** to via the form located at the link <http://www.dokuchaevskie.ru/abstract-submission> **before November 15, 2026**. The file with the abstract must be in doc and docx format and should be named by the first author last name («Ivanov.doc» or «Ivanov.docx»).
- be uploaded **the License agreement to the publication of abstracts**, drawn up according to the presented example in the abstract submission form. Agreement must be filled in, printed, signed, scanned and downloaded in **jpeg or pdf format**. The file with the License agreement should be named «last name_agreement» («Ivanov_agreement»).

Registration fee for near foreign participants (CIS countries)

Off-line participation: 2500 RUB

Absentia with the possibility of on-line presentation: 1500 RUB

Registration fee for off-line participants includes the publishing of the program (a printed version) and the abstract book (an electronic version), the publishing of the abstract books for library (printed version), set of participant, expendable supplies, coffee breaks.

Registration fee for absentia participants includes the publishing of the program and the abstract book (an electronic version), the publishing of the abstract books for library (printed version), expendable supplies.

Attention please!!! Participation in the Conference is free (for far foreign participants)

Important dates:

- **September 1, 2026** – Informational letter № 1, starting the applications and abstracts submission period
- **November 15, 2026** – deadline for the applications and abstracts submission period, starting the review stage
- **January 11, 2027** – Informational letter № 2, starting the registration fees acceptance
- **February 1, 2027** – deadline for the abstracts acceptance corrected after the review stage
- **February 14, 2027** – deadline for the registration fees acceptance
- **February 15, 2027** – Informational letter № 3, Final Conference Program
- **March 1-4, 2027** – holding of the Conference

E-mail of the Conference: dkonf2027@gmail.com

Travel, meals costs, Hotel accommodation have covered by the sending organization or have yourself.

Publication. All submitted and accepted abstracts will be published by the beginning of conference in the abstract book (an electronic version_author's edition) which will be sent to participants in information letter № 3 and posted on the website of the Conference. The best papers will be published in the next issue of the collection "Materials for the study of Russian soils".

Information about the acceptance of abstracts and the payment method will be indicated in the informational letter № 2.

More information about the Conference is available at <http://www.dokuchaevskie.ru>

CONTENTS OF SCIENTIFIC SECTIONS

1. Session «Preservation of fertility and sustainable development of agricultural lands»

This section is dedicated to a systems approach to studying agricultural soils and covers issues ranging from assessing of their current fertility and regulating of production processes to forecasting of long-term trends in their condition using mathematical models and GIS technologies. A special place is occupied by issues of carbon balance and greenhouse gas emissions as criteria for the sustainability of agroecosystems, as well as the search for effective reclamation and adaptation solutions for degraded soils in a changing climate conditions.

We invite you to submit abstracts in the following topics:

- Soil fertility and management of plant production processes;
- Migration of elements, carbon balance and greenhouse gas emissions in agroecosystems;
- Mathematical modeling and GIS technologies in agroecosystems;
- Agromelioration, restoration of degraded agrogenic soils, adaptation of agrogenic soils to climate change.

2. Session «Features of soil functioning in urbanized and industrial areas»

The section's topics cover a wide range of issues related to the genesis, morphology, and biogeochemical functioning of soils in urbanized, industrial, and disturbed forest areas under intense anthropogenic impact.

Topics of the session:

- Genesis and structural-functional features of urban soils;
- Ecosystem services of soils and their role in the functioning of urban ecosystems;
- Biogeochemical properties and biological activity of soils under urbanization conditions;
- Monitoring of the state of the soil cover of urbanized and industrial areas;
- Features of the functioning of soils in urban parks and forest and parkland zones;
- Approaches to soil design for efficient landscape gardening systems.

3. Session «Soil ecosystem services and modern methods of the monitoring of the soil cover state»

The section will discuss issues related to the ecosystem services of natural and disturbed soils, as well as effective monitoring systems of soil cover state for the timely detection of negative changes, forecasting their consequences, and developing scientifically based measures for the protection and rational use of soil resources.

We invite you to submit abstracts in the following topics:

- Sanitary and hygienic condition of soils;

- Buffering properties of soils;
- Soil functioning at etalon sites and soil stations;
- Dynamics of pollutants in natural and anthropogenically changed soils and methods for their qualitative and quantitative determination;
- Methods of soil reclamation and remediation.

4. Session «Soil as a habitat: features of bio-inert interactions»

This section is devoted to the relationship between pedobionts and their environment and covers issues of assessing the active transformative role of microorganisms and soil invertebrates in the formation of ecological functions of soils, and issues of biodiagnostics and forecasting the state of the soil cover under natural changes and anthropogenic impacts.

We invite you to submit abstracts in the following topics:

- The role of soil biota in the processes of organic matter transformation;
- Structural and functional characteristics of soil invertebrate communities;
- Enzymatic activity of soils;
- Interaction between soil biota and vegetation;
- Biodiagnostics of natural and anthropogenically changed soils.

5. Session «Analysis of the spatial-structural organization of the soil cover»

The section combines studies of the spatial organization of soil cover, including issues of soil geography and genesis, as well as modern methods of GIS, remote sensing and soil mapping to identify structural regularities and digital modeling of soil cover (SC).

Topics of the session:

- Factors in the formation of spatial heterogeneity of soil cover and regional features of soil-forming processes;
- The Register of Soil Resources of a territorial entity of the Russian Federation as a necessary basis for soil assessment;
- The Red Book of Soils and its application in organizing conservation events;
- Soils in Russian and International soil classifications, experience of correlations;
- Soil mapping at different levels of the soil cover structure;
- Application of remote sensing methods to analyze the dynamics of disturbed lands;
- Analysis of the spatial-structural organization of the soil cover and soil-ecological monitoring using GIS technologies.

6. Session «Reconstruction of environmental dynamics based on paleosol data»

The session is devoted to the study of paleosols, pedosediments, and soils of archaeological sites. This section examines the formation and evolution of soil cover under the influence of changing natural conditions and human activities, as well as the problems of paleoecological reconstructions based on these data.

We invite you to submit abstracts in the following topics:

- Study of paleosols as an archive of information on climate and landscape changes;
- Regularities of formation of ancient soils and evolution of soil cover;
- Interaction of soils and ancient human communities and other issues of soil-archaeological research;
- Methodological features and modern approaches to the study of paleosols.

PAPER REQUIREMENTS

Papers should not be more than 2 pages long. Page size A5, the size of type is 12 pt, interval between lines is single, MS Office Word format (doc.), margins of page are 2 cm. It is permissible to use graphs, diagrams, tables, illustrative material in black and white. The use of contrasting well-distinguishable hatching is allowed. The use of photographs is not allowed.

The *first line* is a title of paper (center alignment), *the second* – authors (center alignment), *the third* – country, city and university (center alignment), *the fourth* – e-mail (center alignment).

The text of the abstracts is separated by one line and begins with an indent of 1 cm (width alignment).

Last line – full name, academic degree, post of supervisor

It is recommended that in-text references to sources used be given in square brackets in the format [1]. The numbering of sources in the references is given in the order in which they are mentioned in the text.

A recommendation of a supervisor is necessary for students and Ph.D. students. **A co-authorship with the supervisor is strictly not allowed. The maximum number of authors in an article is 5 people.**

Attention please! The text of the abstracts should be designed in accordance with the specified requirements and a sample. The organizing committee has the right to select materials according to the topic of the conference, to refuse publication of materials that do not meet the requirements, to make changes to the abstracts without notification of authors or send them for revision.

Abstract example:

SOIL ORGANIC MATTER CHARACTERISTICS OF URBANOZEMS IN ST. PETERSBURG

P.P. Petrov

Russia, Saint-Petersburg State University

petrov@mail.bio.pu.ru

Humus and soil formation. Humus and soil formation. Humus and soil formation. Humus and soil formation. Humus and soil formation. Humus and soil formation. Humus and soil formation [1].

The paper is recommended by Doctor, professor I.I. Ivanov.

References:

1. Dokuchaev V.V. Russian chernozem. — Saint-Petersburg: Russian collection, 2008. —

473 p.