

## SECOND INFORMATION LETTER

PERM STATE AGRO-TECHNOLOGICAL UNIVERSITY NAMED AFTER ACADEMICIAN  
D.N. PRIANISHNIKOV

RUSSIAN SOCIETY OF SOIL SCIENCE NAMED AFTER V.V. DOKUCHAEV

FEDERATION OF EURASIAN SOIL SCIENCE SOCIETIES

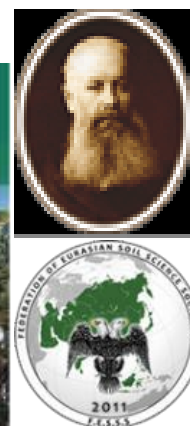
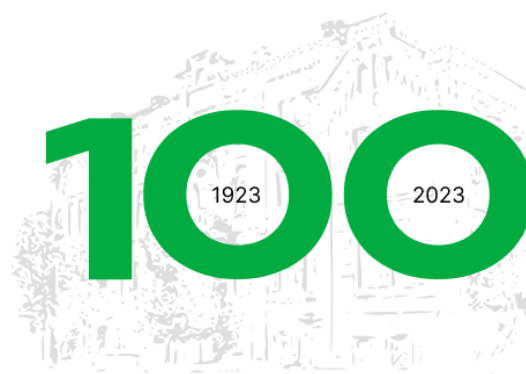
INTERNATIONAL SCIENTIFIC CONFERENCE

### II NIKITINSKIE READINGS

14 – 17 November 2023

«CURRENT ISSUES OF SOIL SCIENCE, AGRO-CHEMISTRY AND ECOLOGY  
IN NATURAL AND ANTHROPOGENIC LANDSCAPES»

The Conference is dedicated to Vasily Vasilyevich Nikitin, the first professor of soil science in the Urals and the head of the Soil Science Department (1924-1932), the 100<sup>th</sup> anniversary of the first Soil Science Department in the Urals, and the 140<sup>th</sup> anniversary of Soil Science



## DEAR COLLEAGUES!

For over 100 years Perm State Agro-Technological University Named after Academician D.N. Prianishnikov has been educating, training and preparing specialists in the main fields of agrarian industry. In 1918, the Agronomy Faculty was founded as a part of the Perm University. The Soil Science Department was established at the Perm University's Agronomy Faculty in March of 1923. In 1924, Vasily Nikitin, who had an extensive practical experience in organizing and carrying out soil survey on the Turkestan territories of Russian Empire (1912-1917), was appointed the Head of the Soil Science Department.



V.V. Nikitin (1886-1932) was an alumnus of the Moscow Agricultural Institute (presently RSAU-MTAA), a student and an associate of prominent soil scientists N.A. Dimo and I.A. Shulga. V.V. Nikitin was a leading soil scientist, cartographer, professor, member of Soil Committee of the Moscow Agricultural Society of Soil Scientists, educator, founder of the Soil Museum, Head of the Soil Science Department at the Perm State University (Ural Institute of Agriculture) one of the founders of the Higher Agronomic School in the Urals (specifically in Perm) and the testing ground at Lipovaya Gora. Under the V.V. Nikitin's supervision, they surveyed up to 12 million hectares, gave a general description of the soils, and revealed the arable capacity and quality of land for grain farms and the conditions for reforestation and forest growth. V.V. Nikitin was repressed. That is the reason why his works were little known, many works and reports of his expeditions were not published. The name of the scientist was consigned to oblivion.

In 2005 G.V. Zakharyina published a list of soil scientists and agrochemists – the victims of repression. In that list there was V.V. Nikitin with a very brief information – Professor, Head of the Soil Science Department of the Perm State University, was subjected to repressions in the 1930s, his fate was unknown. Professor V.V. Nikitin formed a highly qualified team of specialists in the field of cartography and soil geography from graduates of the Soil Science Department, who later became famous scientists: G.A. Malandin (Perm Agricultural Institute), A.I. Oborin (Perm State University), P.V. Lysenin (Chelyabinsk), N.D. Gradoboev (Omsk Agricultural Institute), N.A. Nogina and I.G. Vazhenin (Soil Institute Named after V.V. Dokuchaev), N.I. Makeev (Kurgan). Head of the Soil Science Department (1936 – 1973) and scientific advisor of almost all employees of the Department until 1973, N.Y. Korotaev was a student of V.V. Nikitin and a member of his expeditions. The first professor of Soil Science in the Urals Vasily Vasilyevich Nikitin laid the foundation for soil and geographical research in the former Ural Oblast (now the territory of the Perm Krai, Kurgan, Chelyabinsk, Sverdlovsk, Tyumen Oblasts) more than 90 years ago. Vasily Vasilyevich Nikitin's research contribution extends to all administrative regions of modern Russia and the states of Central Asia, where Vasily Vasilyevich once worked.

Faculty of Soil Science, Agrochemistry, Ecology and Commodity Research of the Perm State Agro-Technological University Named after Academician D.N. Prianishnikov

**invites you to participate in**

*the International Scientific Conference II NIKITINSKIE READINGS*

**«Current Issues of Soil Science, Agrochemistry and Ecology in Natural and Anthropogenic Landscapes», on 14-17 November 2023,**

dedicated to Vasily Vasilyevich Nikitin, the first professor of soil science in the Urals and the head of the Soil Science Department (1924-1932)

*100<sup>th</sup> anniversary of the first Soil Science Department in the Urals,*

*140<sup>th</sup> anniversary of Soil Science*

#### AIM OF THE CONFERENCE

The conference's aim is to discuss the most pressing problems in soil science, agrochemistry and ecology, research the soil and land resources, unify scientists cross-disciplinary to disseminate advanced scientific and practical experience and to discuss the development and cooperation prospects; enhance regional and international scientific cooperation, set the stage for scientists to exchange research results, systemize the current issues and identify trends in scientific research.

#### ORGANIZING COMMITTEE

##### **CHAIRMAN**

*Aleksei ANDREEV*, Acting Rector of FSBEI HE Perm SATU, Perm, Russia

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*Nadezhda KYLOSOVA*, Master's Degree Student of Soil Science Department, FSBEI HE Perm SATU, Perm Russia

## SCIENTIFIC COMMITTEE

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**Boris APARIN**, Doctor of Agricultural Sciences, Professor, Scientific Advisor at Central Soil Museum Named after V.V. Dokuchaev, Vice-President of Soil Society Named after V.V. Dokuchaev, Saint Petersburg State University, Saint Petersburg, Russia

**Nikolai ABRAMOV**, Doctor of Agricultural Sciences, Professor, Head of Soil Science and Agrochemistry Department, Northern Trans-Ural State Agricultural University, Tyumen, Russia

**Olga BEZUGLOVA**, Doctor of Biological Sciences, Professor, Southern Federal University, Rostov-on-Don, Russia

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**Gennadiy GAMZIKOV**, Academician at the Russian Academy of the Agricultural Sciences, Academician at the Russian Academy of Sciences, Professor of Agrochemistry and Soil Science Department, Head of the Laboratory of Contemporary Experimental Agrochemistry Issues at Novosibirsk State Agrarian University, Novosibirsk, Russia

**Orhan DENGIZ**, Professor, Ondokuz Mayıs University, Samsun, Türkiye

**Gulnara DZHUMANIYAZOVA**, Doctor of Biological Sciences, Principal Director of Scientific Research, OOO «"INNOVATION-IDEAS" MAS'ULIYATI CHEKLANGAN JAMIYATI», Tashkent, Uzbekistan

**Aleksei DYMOV**, Doctor of Biological Sciences, Professor, M.V. Lomonosov Moscow State University, Moscow, Lead Researcher, Institute of Biology of Komi Science Centre of the Ural Branch of the Russian Academy of Sciences, Syktyvkar, Russia

**Olga ERYOMCHENKO**, Doctor of Biological Sciences, Professor, Head of Plant Physiology and Soil Ecology Department, Perm State National Research University, Perm, Russia

**Sophia ZHELEZOVA**, Doctor of Agricultural Sciences, Acting Lead Researcher, All-Russian Scientific Research Institute of Phytopathology, Moscow, Russia

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**Valeriy KIRYUSHIN**, Doctor of Biological Sciences, Professor, Academician of the Russian Academy of Sciences, Honored Scientist of the Russian Federation, Academician of the International Academy of Agricultural Education, Chief Researcher, V.V. Dokuchaev Soil Science Institute, Moscow, Russia

**Mikhail MAZIROV**, Doctor of Biological Sciences, Professor, Russian State Agrarian University – Moscow Timiryazev Agricultural Academy, Moscow, Russia

**Fariz MIKAYLOV**, Doctor of Science, Professor, Iğdir University, Iğdir, Türkiye

**Irina MIKHEEVA**, Doctor of Agricultural Sciences, Senior Researcher, Institute of Soil Science and Agrochemistry of the Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia

**Tamara PERSIKOVA**, Doctor of Agricultural Sciences, Professor, Head of the Soil Science Department, Belarusian State Agricultural Academy, Gorki, Belarus

**Elena PIVOVAROVA**, Doctor of Agricultural Sciences, Professor, Chairman of the Altai Branch of Soil Society Named after V.V. Dokuchaev, Altai State Agricultural University, Barnaul, Russia

**Aleksei PROKASHEV**, Doctor of Agricultural Sciences, Professor, Corresponding Member of the Russian Academy of Natural Sciences, Vyatka State University, Kirov, Russia

**Iliia PPOKHOROV**, Candidate of Agricultural Sciences, Chief Editor of the *Agrochemical Herald* Journal, Moscow, Russia

**Tatiana TRIFONOVA**, Doctor of Biological Sciences, Honored Scientist of the Russian Federation, M.V. Lomonosov Moscow State University, Moscow, Russia

**Aminat UMAROVA**, Doctor of Biological Sciences, Professor, Head of the Physics and Melioration Department at the Faculty of Soil Science, M.V. Lomonosov Moscow State University, Moscow, Russia

**Abdulvahed KHALEDI**, Doctor of Watershed Management, Associate Professor, Department of Watershed Management, Faculty of Natural Resources, Tarbiat Modares University, Tehran, Iran, Vice-President, Watershed Management Society of Iran.

**Aleksandr CHERVAN**, Candidate of Agricultural Sciences, Head of the Soil Science and Geographic

Information Systems Department at the Faculty of Geography and Geoinformatics, Belarusian State University, Member of the Global Soil Partnership FAO UN, Minsk, Belarus

**Aleksandr SHPEDI**, Doctor of Agricultural Sciences, Director of Federal Research Center «Krasnoyarsk Science Center of the Siberian Branch of the Russian Academy of Sciences», Corresponding Member of Russian Academy of Sciences, Krasnoyarsk, Russia

## KEY TOPICS OF THE CONFERENCE

1. Genesis, classification and evolution of soils. Multidisciplinary aspects of soil science
2. Soil resources and land evaluation (fertility, degradation, conservation, monitoring). Postagrogenic soil transformation. Land management
3. Urban and anthropogenic soils, their ecological and geochemical system, formation, classification and evolution
4. Geoinformation systems in soil science, agrochemistry and ecology
5. Mathematical methods in soil science
6. Soil ecology
7. Philosophy, history and sociology of soil science, international cooperation

## Conference Organization

The conference is organized by FSBEI HE «Perm State Agro-Technological University Named after Academician D.N. Prianishnikov» with the Russian Society of Soil Science Named after V.V. Dokuchaev, Federation of Eurasian Soil Societies and representatives of educational, scientific, industrial and social organizations. Representatives of foreign countries are welcome to take part in the conference.

## Date and Place

The conference will be held in Perm in the main building of the Perm State Agro-Technological University (Petrovskaya St., 23) on **14-17 November 2023**.

Working languages of the conference: *Russian and English*.

Papers are submitted in *Russian and English*.

## Conference Format

The conference includes plenary and poster sessions and topical sections. Forms of participation: face-to-face (oral presentation, poster), online, by-correspondence (paper).

**14 November 2023 (Tuesday) – Plenary session, topical sections.** Leading scientists and specialists present the invited papers on the key topics of the conference.

**15 November 2023 (Wednesday) – Topical sections.**

**16 November 2023 (Thursday) – Topical sections.**

**17 November 2023 (Friday) – Poster session and summarizing.**

Program of the topical sections and the poster session will be determined by the Program Committee based on the abstracts of submitted papers. Program Committee has a right to reject any paper that doesn't comply with the key topics of the conference.

The conference proceedings will be published in a collection of scientific papers, included in the Russian Science Citation Index and published in the scientific e-library

[WWW.ELIBRARY.RU](http://WWW.ELIBRARY.RU)

**In order to participate in the conference, you must send the following documents (via e-mail):**

1) The text of the article, made according to the listed requirements **until the 20<sup>th</sup> of July**; please specify the form of participation in the letter, if you have not made a payment yet;

2) The licensing agreement **until the 20<sup>th</sup> of July** (can be downloaded from the website: [https://pgatu.ru/science/conferences/issues\\_soil\\_science\\_agrochem\\_eco/](https://pgatu.ru/science/conferences/issues_soil_science_agrochem_eco/))

3) A scanned copy of the fee payment document for participation in the conference **until the 11<sup>th</sup> of August** – the document must include the full name of the participant and the purpose of the payment,

Organizing Committee does not issue payment documents; an invoice is a confirmation of

participation in the conference.

**The deadline for submission of the paper and licensing agreement is July 20<sup>th</sup>, August 11<sup>th</sup> for submitting payment documents.**

### ***Organizational Fee (Registration Fee)***

Organizational fee for participation in the conference (including a 20% VAT):

- 1. For face-to-face participants:** RUB 2800; including: participant kit, certificate, conference program, compensation for the costs of reviewing and preparing the conference proceedings book, a coffee break. *The Organizing Committee plans to present the conference proceedings book by the beginning of the Conference, with its indexation in the Russian Science Citation Index.*
- 2. For by-correspondence participants:** RUB 800; including: digital certificate of participation (pdf); compensation for the costs of reviewing and preparing the conference proceedings book.
- 3. For Master's degree or Ph.D. students participation is free,** if the required verification document is provided.
- 4. Online participation** – RUB 1200; (compensation for the costs of reviewing and preparing the conference proceedings book and organizing an online conference, digital certificate of participation).

The Organizational fee is to be transferred to the FSBEI HE Perm SATU's corporate bank account with a note «**за участие в конференции Никитинские чтения 2023**» («**for participation in the 2023 Nikitinskiy Readings Conference**»).

**Banking Details:** FSBEI HE Perm SATU

Business Address: Russia, 614990, Perm, Petropavlovskaya St., 23

INN 5902290794, Federal Treasury Department for Perm Krai (FSBEI HE Perm SATU

C/A 20566X27160),

Corresponding Bank Account (EKS) 40102810145370000048,

Treasury Account Number 03214643000000015600,

In the BANK OF RUSSIA PERM DEPARTMENT// Federal Treasury Department for Perm Krai Perm,

BIK TOFK 015773997, KPP 590201001, OKONKh 92110, OKPO,

KBK 000 000 000 000 000 00130

**The invoice must include a participant's full name and the purpose of payment.**

### **ORGANIZING COMMITTEE ADDRESS**

FSBEI HE Perm SATU, Petropavlovskaya St., 23, GSP-165, Perm, 614990, Russia.

Phone: +7 (342) 2179439, E-mail: [niksoilconf23@gmail.com](mailto:niksoilconf23@gmail.com)

Executive secretary of the conference: **Evgenia Lobanova**

**We will be glad to cooperate with you!**

Conference participants cover their accommodation, travel and food costs. We recommend you purchase return tickets in advance.

Participants may book accommodation through the following websites:

<https://perm.sutochno.ru/>,

<https://101hotels.com/main/cities/perm>,



<https://travel.yandex.ru/hotels/perm/>

Those wishing to book accommodation in the Perm SATU's hostel No. 4 (the number of places is limited) (cost varies from RUB 590 to RUB 1530), must express their wish in the letter sent along with their licensing agreement.

([https://pgatu.ru/science/conferences/issues\\_soil\\_science\\_agrochem\\_eco/](https://pgatu.ru/science/conferences/issues_soil_science_agrochem_eco/) ).

### **CULTURAL PROGRAM**

Excursions around Perm, to the city's museums, to Kungur Ice Cave and to the production sites of Uralkali PJSC are planned for the duration of the conference.

Detailed information on the cultural program of the conference will be provided after August 18, 2023 in the 3<sup>rd</sup> Information Letter.

**PLEASE CONFIRM YOUR PARTICIPATION IN THE CONFERENCE BEFORE **JULY 20<sup>th</sup>**.**

**THE DETAILED PROGRAM OF THE CONFERENCE AND THE ORDER OF WORK OF THE SECTIONS WILL BE SPECIFIED IN THE 3<sup>rd</sup> INFORMATION LETTER.**

***THE ORGANIZING COMMITTEE INVITES YOU TO PARTICIPATE  
IN THE CONFERENCE***

Sincerely, the organizing committee of the conference

## PAPER SUBMISSION REQUIREMENTS

Papers submitted for publication must be of scientific nature and contain an abstract (200-300 characters), key words (5-6 words), a problem statement, testing method(s), results description, conclusions, suggestions and references.

Papers from three to five full A4 format pages (210x297) are to be typed in a word processing program using the following criteria: left and right margins – 3 cm, top and bottom – 2.5 cm, normal style, font – Times New Roman, font size – 12, width aligned, line spacing – 1.2. Tables are to be created in a word processing program, tables auto fit – window width, formulas must be typed in a word processing program. Only black and white pictures using hatch, without filling or halftones, are allowed.

File name: first author's last name and first two words of the paper's title. Papers are to be arranged according to the provided sample.

The table header must be printed in the center using the bold font type. Tables are numbered, if there is more than one. The text must contain a link to the table. The table number must be specified in the upper right corner, using the word "Table" and its number (Table 1), if there is more than one, and followed by the center-aligned header of the table. The name of an illustration (a picture of a graph) must be placed under the explaining inscription. The illustrations are numbered if there is more than one in the paper (Fig. 1). The number is written before the name.

References in the end of the paper is to be arranged according to GOST P 7.0.5-2008 (font size – 12), in alphabetical order, first in Russian and then in foreign languages (alphabetically). A link to the references in the text is given in square brackets in a plain text format.

An English translation of the following parts is to be provided after the paper's body and the references: full name of the author(s), place of work, address, country, paper name, annotation, key words and bibliography list.

### PAPER SAMPLE

УДК 631.4

#### МОРФОЛОГО-ГЕНЕТИЧЕСКИЕ ОСОБЕННОСТИ БУРОЗЕМОВ НА СРЕДНЕМ УРАЛЕ

И.А. Самофалова

ФГБОУ ВО Пермский ГАТУ, Пермь, Россия

e-mail:

Аннотация (200-300 знаков)

*Ключевые слова (курсив, 5-6 слов)*

Текст статьи

#### Литература

1. Воронов Г.А., Никулин В.Ф., Акимов В.А., Баландин С.В. Заповедник «Басеги» // Заповедники Европейской части РСФСР. Ч. 1. М., 1988. С. 248-264.
2. Добровольский Г.В. Значение почв в сохранении биоразнообразия // Почвоведение. 1996. №6. С. 694-698.
3. Ерёмченко О.З., Филькин Т.Г., Шестаков И.Е. Редкие и исчезающие почвы Пермского края. Пермь: Пермское книжное издательство, 2010. 92 с.
4. Лузянина О.А., Самофалова И.А. Мониторинг гумусного состояния почв (на примере заповедника «Басеги») // Известия Самарского научного центра Российской академии наук. 2013. Т. 15. № 3(4). С. 1349-1353.

#### MORFOLOGICAL AND GENETIC FEATURES OF BUROZEMS IN THE MIDDLE URALS

I.A. Samofalova

Perm SATU, Perm, Russia

Abstract (200-300 characters)

*Keywords (italics, 5-6 words)*

*Paper Body*

#### References

1. Voronov G.A. Nikulin V.F., Akimov V.A., Balandin S. 1988. Reserve "Basegi" // Preserves the European part of RSFSR. Part 1. M. P. 248-264.
2. Dobrovolskii G.V. The role of soils in preservation of biodiversity // Eurasian Soil Science. 1996. № 6. P. 694-698.
3. Eremchenko O.Z., Filkin T.G., Shestakov I.E. Rare and endangered soils of the Perm region. Perm: Perm Book Publishing House, 2010. 292 p.
4. Luzyanina O.A., Samofalova I.A. Monitoring of soil humus (the case Reserve "Basegi") // Izvestia of Samara Scientific Center of the Russian Academy of Sciences. 2013. Vol. 15. Is. 3(4). P. 1349-1353.

**Notice: Articles, which do not meet the requirements, will not be published.**

Name of the table

Состав среды	Лакказная активность, МЕ/мл	Содержание белка, мг/мл	Температура культивирования, °С

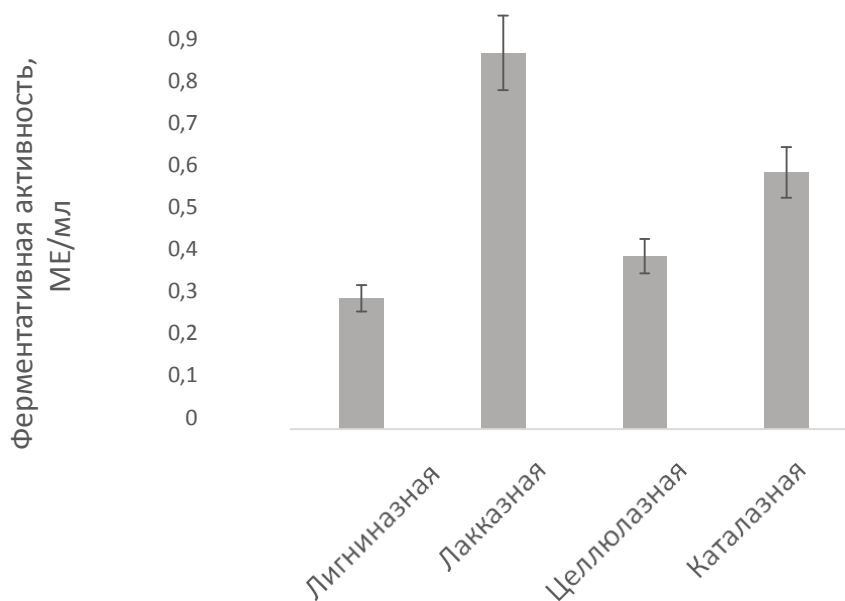


Fig. 1. Name of the figure

### **PUBLISHING THE CONFERENCE PROCEEDINGS**

The conference proceedings will be published in a collection of scientific papers and will be available online in the «[Collections of Scientific Papers](#)» section on the <https://pgatu.ru/> website. The collection will be assigned an ISBN. The conference proceedings will be applied for inclusion in the Russian Science Citation Index.

If you have any questions, feel free to contact Iraida Samofalova, the vice-chairman of the conference (phone: +79922007654, [niksoilconf23@gmail.com](mailto:niksoilconf23@gmail.com)) or Evgenia Lobanova, the executive secretary of the conference (phone: +79027992900; E-mail: [niksoilconf23@gmail.com](mailto:niksoilconf23@gmail.com)).