



**Dear colleagues!**  
**Yanka Kupala Grodno State University (Belarus)**  
**Grodno Regional Committee of Natural Resources and Environmental Protection**  
**University of Białystok (Poland)**  
**University of Łódź (Poland)**  
**Vilnius University (Lithuania)**

**5–7 October 2016**

We are happy to invite you to participate in the XI International Scientific Conference «**Actual Problems of Ecology – 2016**».

The conference purpose – discussion of the cardinal directions of contemporary ecology. An important task is enhanced international cooperation of professionals in different ecology fields, discussion and development of new joint programs and projects.

#### **Main topics for discussion**

1. Sustainable use and protection of flora.
2. Sustainable use and protection of fauna.
3. Ecological biochemistry, physiology and medicine.
4. Sustainable use of water resources and wastewater treatment.
5. Sustainable use of soil resources and atmospheric resources.
6. Disposal and recycling of solid waste.
7. Ecological education for sustainable development.

#### **Program Organizing Committee:**

##### **Chair:**

*Vassily Bourd*, Doctor of Science, Dean of the Faculty of Biology and Ecology Yanka Kupala State University of Grodno.

##### **Co-Chairs:**

*Vassiliy Shlyk*, Head of the Grodno Regional Committee of Natural Resources and Environment;

*Iwona Ciereszko*, Doctor of Science, Dean of Biology and Chemistry Faculty University of Białystok (Poland).

##### **Vice-Chairman:**

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Nina Kanunnikova, PhD, professor of the Department of technology, physiology and nutrition Yanka Kupala State University of Grodno;

Lily Kaledene, PhD, Professor, Head of the Department of Microbiology and Biotechnology of the University of Vilnius (Lithuania);

Maria Bryshevska, PhD, Head of the Department of General Biophysics, University of Łódź (Poland).

##### **Scientific Secretary:**

Galina Yukhnevich, PhD, Head of the Department of Ecology Yanka Kupala State University of Grodno.

##### **Members of the Program Committee:**

Natalia Bashun, PhD, Head of the Department of technology, physiology and nutrition Yanka Kupala State University of Grodno;

Siarhei Yemialyanchyk, PhD, Head of the Department of Zoology and Physiology of animals Yanka Kupala State University of Grodno;

Aleksandr Karevskiy, PhD, Vice Dean for Academic Affairs, Faculty of Biology and Ecology Yanka Kupala State University of Grodno;  
Egle Lastauskene, PhD, Associate Professor, Department of Microbiology and Biotechnology of the University of Vilnius (Lithuania);  
Valentin Lucko, PhD, associate professor of the Department of Ecology Yanka Kupala State University of Grodno;  
Tatyana Marchik, PhD, associate professor of the Department of Ecology Yanka Kupala State University of Grodno;  
Vyacheslav Slyshenkov, PhD, Head of the Department of Chemistry and Chemical Technology Yanka Kupala State University of Grodno;  
Oleg Sozinov, PhD, Head of the Department of Botany Yanka Kupala State University of Grodno;  
Viktor Rezyapkin, PhD, assistant professor of the Department of biochemistry Yanka Kupala State University of Grodno;  
Aliaksandra Ryzhaya, PhD, assistant professor of the Department of Zoology and Physiology of animals Yanka Kupala State University of Grodno;  
Volha Tratsiakova, PhD, assistant professor of the Department of chemistry and chemical technology Yanka Kupala State University of Grodno;  
Natalya Tchaikovskiy, PhD, associate professor of the Department of Ecology Yanka Kupala State University of Grodno;  
Volha Yanchurevich, PhD, assistant professor of the Department of Zoology and Physiology of animals Yanka Kupala State University of Grodno.

**Organizing Committee address:**

Republic of Belarus, 230012, Grodno, Dovatora ln. 3/1,  
Yanka Kupala Grodno State University, Faculty of Biology and Ecology  
The Conference Organizing Committee "APE – 2016"  
Tel. +375-152-48-50-01

*E-mail:* ape2016@grsu.by

<http://conf.grsu.by/ape2016>

**Conference Coordinator:**

**Tratsiakova Volha (tel: +375-29-284-17- 83).**

**Forms of participation in the conference**

- Report at the plenary meeting – up to 30 minutes
- Report at a section – up to 15 minutes
- Distance involved

**Working languages:** Belarusian, Russian, Polish, English.

**Presentation of materials and applications**

To participate in the conference it is necessary to fill in an electronic registration form on the conference website (<http://conf.grsu.by/ape2016/ru/registratsiya>) **until May 31, 2016 (deadline)** and join the electronic version of a scientific article (file name - the author's name in Latin letters indicating hyphenated number of section: (IvanovAN-3) and a copy of the receipt on payment of an organizational fee.

The responsibility for the materials submitted to the conference is carried by the authors.

The reports which do not meet the formal requirements, or not adequate to the scientific level of the conference and sent after the deadline are not to be admitted and are not sent back to the author/s.

The conference program will be posted on the conference website until September 20, 2016.

By the beginning of the conference is planned to publish a collection of materials.

Competition among the young authors for the best scientific work will be carried out in each section, the winners will be awarded with diplomas.

**Organizational conditions of participation in the conference.**

The registration fee is \$ 20 for foreign participants.

Without payment materials are not to be published.

*Each publication paid separately.*

### **Financial conditions**

The registration fee includes the event costs and publication of the conference materials.

Travel, accommodation and meals costs paid by the participants of the conference or the sending organization. Information about hotels in Grodno is on <http://www.belarustravel.by>

Registration fees should be transferred to the bank account of the University with the surname, name and marked "registration fee APE–2016".

### **The organizational fee is to be paid by money transfer to:**

#### **Checking account in US dollars:**

Citibank N.A., NEW YORK

SWIFT- code- CITIUS33

a/n 36316365

Belarusbank

SWIFT-code: AKBBBY2X

Payer s Identification Number,

UNP 100325912

Branch № 400 - the Grodno regional administration of JSC «Savings Bank «Belarusbank»Bank Address: 230011

Grodno ul. Novooktyabrskaya , 5

a/n 3 632 900 005 150

UNP 500037559

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#### **Checking account in euro:**

COMMERZBANK AG, Frankfurt am Main

SWIFT- code- COBADEFF

a/n 400886596600EUR

Belarusbank

SWIFT-code: AKBBBY2X

Payer s Identification Number,

UNP 100325912

Branch № 400 - the Grodno regional administration of JSC «Savings Bank «Belarusbank»

Bank Address: 230011 Grodno ul. Novooktyabrskaya , 5

a/n 3 632 900 005 192

UNP 500037559

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## Layout requirements for the materials presented

1. **The text of the report** should be up to 2 pages A4 printed in text editor Microsoft Word for Windows .doc

2. **Format** A4 (297 x 210 mm), orientation book.

**Fields:** bottom – 30 mm, top, right and left – 20 mm.

**Times New Roman**, 10 pt.

**Interline** spacing 1,1; the first line indent – 8 mm, alignment – on width.

3. Without automatic hyphenation.

4. **Pages** are not numbered.

5. Black–white **figure**, size not less than 7 x 7 cm and not more than 10 x 15 cm. Figure legends – 9 pt, bold font, on center.

6. It is recommended to use representation of results of researches as tables (are formed through “**Table**” option, contents is made out by Times New Roman, 9 pt, a line spacing – 1,1; alignment – on width). The table name – 9 pt, on width, without first line.

7. **References** are given in brackets in the order mentioned in the text.

8. **References** are listed at the end of the text, **Times New Roman**, 9 pt, issued in accordance with <http://www.vak.org.by/index.php?go=Pages&in=view&id=272>

9. **Abstract in English** is given after references (**Times New Roman**, 9 pt, normal).

10. **Symbols** are only through the option **Insert** (for example:  $\beta$ , €,  $\Rightarrow$ ,  $\pm$ ,  $\times$ ,  $\bullet$ ).

11. The genera and species names of the research objects is highlighted in italics (for example *Aspergillus niger* BKM F-65).

12) The file title – the participant (the application author) name and surname in Latin characters with section number hyphenate: (IvanovAV-3).

A sample is shown below.

### *The sample of the materials' layout*

INDEX...

**I. I. Ivanov, P. P. Petrov** (11 pt, in the centre, bold font)

[empty line]

**HEADLINE (TITLE, Times New Roman, 10 pt, bold font, in the centre)**

[empty line]

Text of the paper ... [Times New Roman, 10 pt, usual, on width with automatic line folding, red line at 12 mm, line spacing – 1,1].

Text of the paper ... Text of the paper ... Text of the paper ... (table 1).

[1 empty line]

Table 1 – Table title ... [Times New Roman, 9 pt, usual, on width, without red line, line spacing – 1,1]

[1 empty line]

Text ... [Times New Roman, 9 pt].....	Text .....
Text .....	Text .....

[1 empty line]

Text of the paper ... [Times New Roman, 10 pt, usual, on width with automatic line folding, red line at 12 mm, line spacing – 1,1].

Text of the paper ... Text of the paper ... Text of the paper ... (figure 1).

[1 empty line]

[Figure: size not less than 7 x 7 cm and not more than 10 x 15 cm Figure legends – Times New Roman, 9 pt].
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[1 empty line]

**Figure 1 – Figure legends** [Times New Roman, 9 pt, usual, on center, without red line, line spacing – 1,1]

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Text of the paper ... [Times New Roman, 10 pt, usual, on width with automatic line folding, red line at 12 mm, line spacing – 1,1].

[1 empty line]

*Reference (Times New Roman, 10 pt, without red line, in the centre)*

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1. .... [Times New Roman, 9 pt, usual, on width, red line 12 mm, line spacing – 1,1].

2. ....

3. ....

[1 empty line]

Summary in English .... [Times New Roman, 9 pt, usual, on width, red line at 12 mm, line spacing – 1,1].

[1 empty line]

Information about the authors (for students and post-graduate students / on the supervisor as well):

*Ivanov I. I.*, M. V. Lomonosov Moscow State University, Moscow, Russia, e-mail: [ivanov@mail.ru](mailto:ivanov@mail.ru)

*Petrov P. P.* Grodno Yanka Kupala State University, Grodno, Belarus, e-mail: [petrov@grsu.by](mailto:petrov@grsu.by)

INDEX...

**I. I. Ivanov, P. P. Petrov** (11 pt, in the centre, bold font)

**DIAGNOSTICS OF THE ENVIRONMENT STATE IN OF THE ZONES GAS STATION INFLUENCE**

(TITLE, Times New Roman, 10 pt, bold font, in the centre)

In conditions of anthropogenic impact on nature anthropogenic flows of various pollutants increasing...[1].

*Reference*

1. Methods of soil Microbiology and biochemistry / after D. G. Zvyagintsev. – M: MSU, 1991. – 304 P.

2. Snakin, V. V. Condition and resistance of ecosystems evaluation / V. V. Snakin, V. E. Melnichenko and others): – VNIIPriroda, 1992.

Investigated the quality of the environment ...

*Ivanov I. I.*, Institute of genetics and Cytology of NAS of Belarus, Minsk, Belarus, e-mail: [ivanov@mail.ru](mailto:ivanov@mail.ru).

[Times New Roman, 9 PT, width]

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