

ALL-RUSSIAN SCIENTIFIC RESEARCH INSTITUTE  
OF MEDICINAL AND AROMATIC PLANTS

**VILAR**

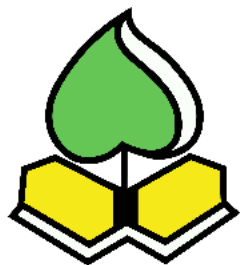
IX INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS

# **CURRENT TRENDS IN THE DEVELOPMENT OF HEALTHCARE TECHNOLOGIES**

Information mail

**December 16-17, 2021**

Moscow, 2021



# Dear Colleagues!

The All-Russian Research Institute of Medicinal and Aromatic Plants invites you to take part in the IX International Scientific Conference of Young Scientists "CURRENT TRENDS IN THE DEVELOPMENT OF HEALTHCARE TECHNOLOGIES", which is timed to coincide with significant dates:

**90  
years**

celebrated the All-Russian Research Institute  
of Medicinal and Aromatic Plants

**70  
years**

celebrated the Botanical Garden  
medicinal plants

March 16

**1931**

since **1937**

Creation of a research institute for  
medicinal and aromatic plants

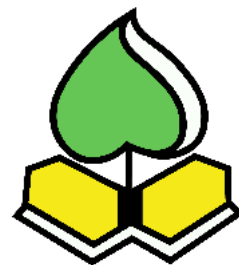
VILAR is located on the territory of the former state  
farm "Bitsa" of the main pharmacy department of the  
RSFSR (until 1917 the estate of V.K. Ferrein).

October 30

**1951**

Creation of the Botanical Garden  
medicinal plants

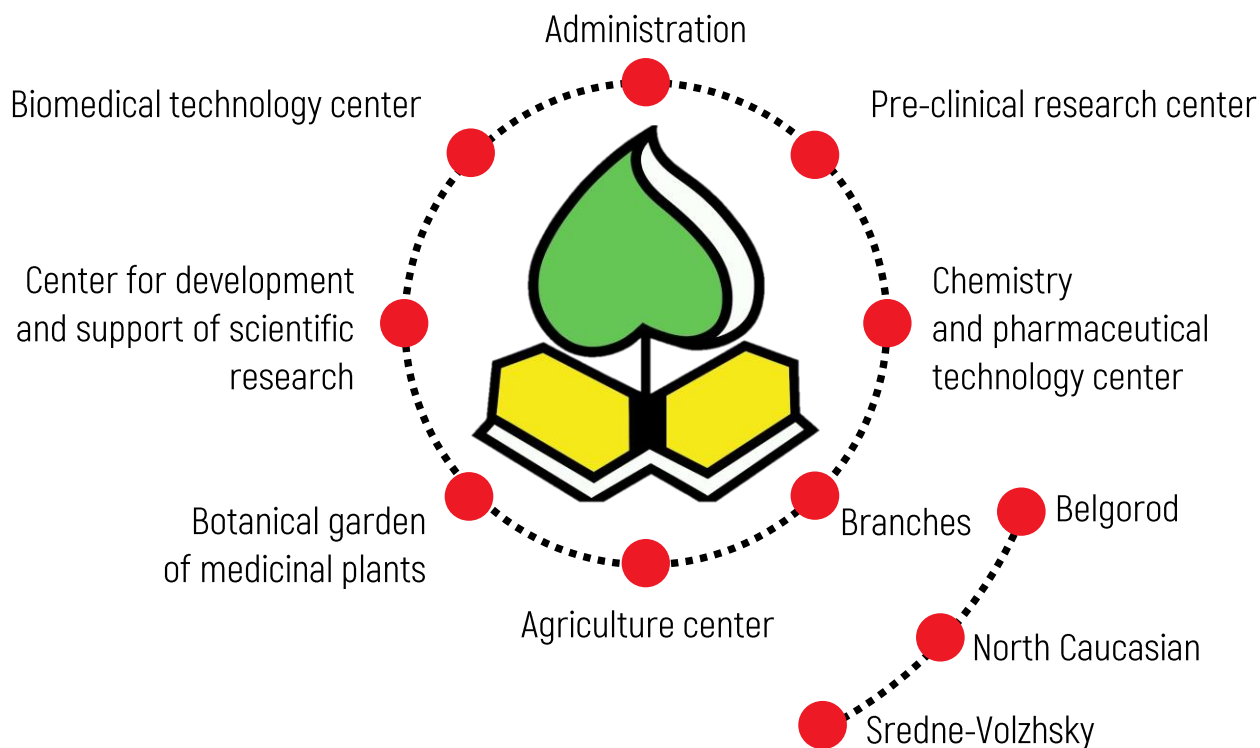
**CURRENT TRENDS IN THE DEVELOPMENT OF HEALTHCARE TECHNOLOGIES**  
**Moscow, VILAR, December 16-17, 2021**



A multidisciplinary full-cycle scientific institution in the field of medicinal plant growing, conservation of genetic resources and plant biodiversity, the search for new biologically active compounds and the creation of innovative herbal medicines on their basis, as well as the long-term preservation of biological structures and biological objects.

## THE MAIN OBJECTIVES ARE :

- carrying out fundamental, exploratory and applied scientific research aimed at obtaining new knowledge in the field of life sciences, at the molecular, cellular, tissue and organism levels;
- development and creation of promising technologies of living systems and herbal medicines aimed at improving the quality and increasing life expectancy of the population, to ensure the reproductive and labor potential of the country.





# OUR ACHIEVEMENTS

**620**  
expeditions

**80 ...**  
thousand herbarium  
sheets

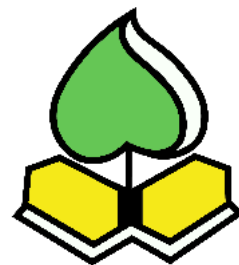
**100 ...**  
varieties created medicinal and aromatic  
crops

**64 ...**  
crops agricultural technologies for  
cultivation have been developed

**>100 ...**  
drugs compositions  
and technologies  
for obtaining



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- Sidelnikov I. Nikolay  
Academician of RAS, D.Sc. in Agriculture

## Vice-chairperson

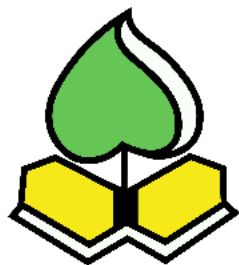
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D.Sc. in Agriculture

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Ph.D. in Pharmacy
- Semkina A. Olga  
Ph.D. in Pharmacy
- Tsitsilin N. Andrey  
Ph.D. in Biology, assistant professor
- Krepkova V. Lyubov  
Ph.D. in Biology
- Ferubko V. Ekaterina  
Ph.D. in Medicine



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- Babenko N. Alexandra  
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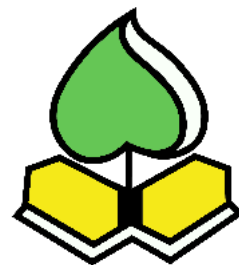
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- Lemyaseva V. Svetlana  
Ph.D. in Biology
- Adamov V. Grigory  
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D.Sc. in Agriculture

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Ph.D. in Geography

Gudkova Y. Natalia

Ph.D. in Biology



# OUR TEACHERS

We invite you to publish articles dedicated to the memory of your teachers, scientific leaders, consultants, mentors.

\*There are no age restrictions for authors, the publication is free. Referring to the articles of the collection of conference materials, articles about our scientists will be formed or supplemented in the free encyclopedia "Wikipedia".



**VICHKANOVA**  
Seraphima

D.Sc. in Biology, Professor



**SCHRETER**  
Alexey

D.Sc. in Biology, Professor

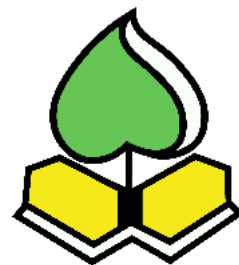


**SOKOLOV**  
Sergey

D.Sc. in Medicine, Professor



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## BYKOV

Valery

Academician of RAS, Professor



## TOLKACHEV

Oleg

D.Sc. in Chemistry, Professor



## DARGAEVA

Tamara

D.Sc. in Pharmacy, Professor



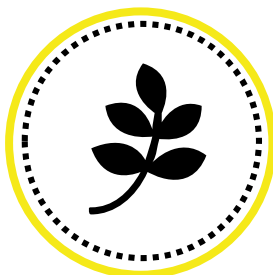


# SCIENTIFIC DIRECTIONS OF THE CONFERENCE

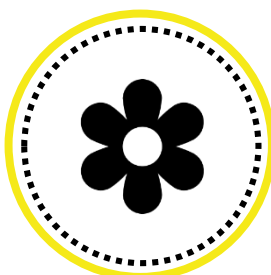
Natural resources



Introduction



Breeding  
and seed production



Cultivation

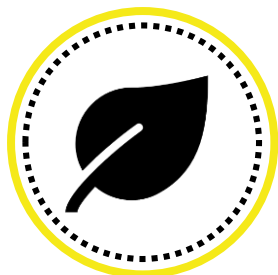
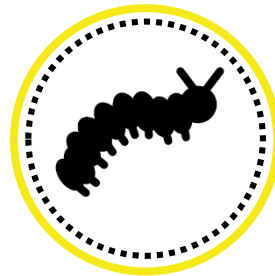


Biocollections



## MEDICINAL PLANT GROWING

Plant protection



Plant  
physiology



Organic  
farming



Garden  
therapy

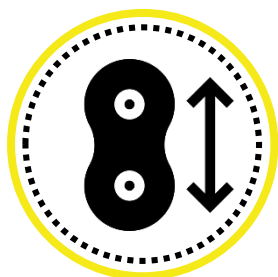


Environmental education  
and education

# SCIENTIFIC DIRECTIONS OF THE CONFERENCE



Cell  
technologies



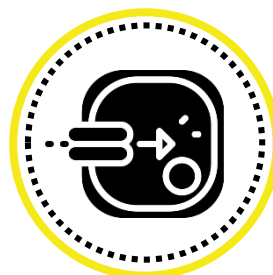
Biotechnology



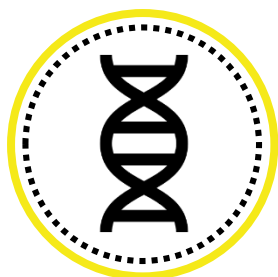
Biotech systems



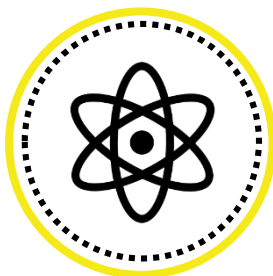
Cell membranes  
and receptors



## MOLECULAR AND CELL BIOLOGY



Genome structure  
and regulation: from  
monitoring to  
management



Metabolomics



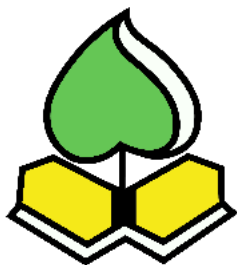
Morphology of cells,  
tissues and intercellular  
communication



Systems biology

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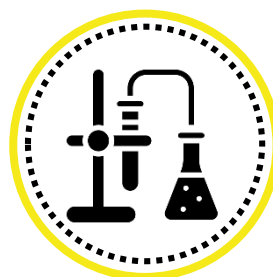
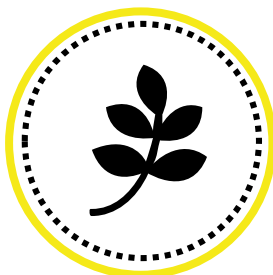
# SCIENTIFIC DIRECTIONS OF THE CONFERENCE

Phytochemical  
screening

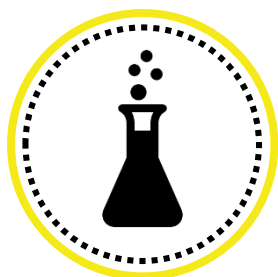
BAS  
modification

Pharmacognosy

BAS  
synthesis



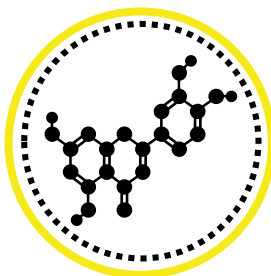
## PHARMACEUTICAL DEVELOPMENT FOR MEDICINE, COSMETOLOGY AND VETERINARY



Obtaining  
a substance



Drug  
development



Obtaining standard  
samples



Standardization

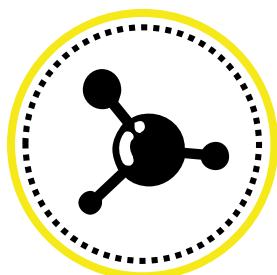
# SCIENTIFIC DIRECTIONS OF THE CONFERENCE



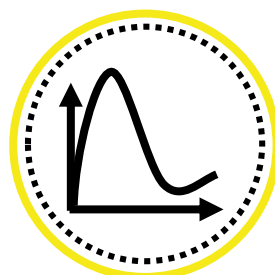
Pharmacological  
efficacy



Pharmacodynamics



Pharmacokinetics



## PRE-CLINICAL STUDIES



Microbiological  
research



Biological safety of raw  
materials and products of  
animal and plant origin



General and specific  
toxicity



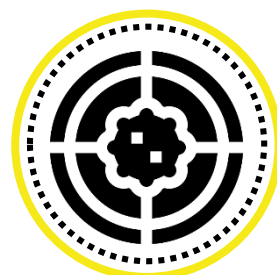
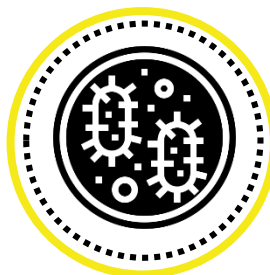
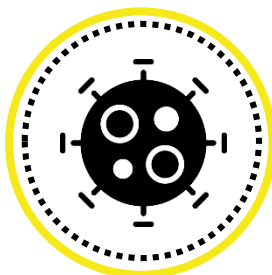
# SCIENTIFIC DIRECTIONS OF THE CONFERENCE

Viral  
infections

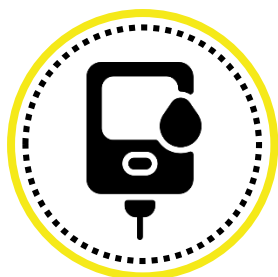
Bacterial  
infections

The cardiovascular  
system

Oncology



## PHYTOTHERAPY IN THE XXI CENTURY



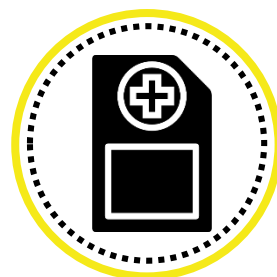
Diabetes



Reproductive  
health

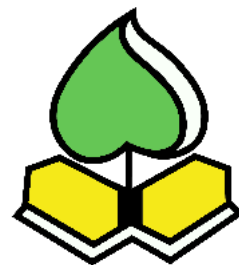


Neuropsychiatric  
disorders



Other pathologies

# PLENARY REPORTS



## **THE TEACHER IS FATE, AND THE STUDENT IS THE REWARD! (RU)**

**Kurkin A. Vladimir**

D.Sc. in Pharmacy, Professor

Head of the Department of Pharmacognosy with Botany and  
Fundamentals of Phytotherapy Samara State Medical University



## **BIOLOGICALLY ACTIVE SUBSTANCES OF PLANTS: REGULATION AND COMPETITION OF METABOLIC PATHWAYS (RU)**

**Chub V. Vladimir**

D.Sc. in Biology, Professor

Director of the Botanical Gardens, Faculty of Biology,  
Moscow State University M. V. Lomonosov

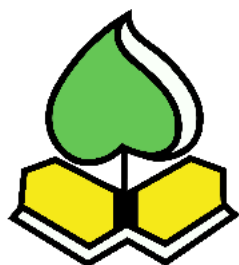


## **STRATEGY FOR INNOVATIVE DRUGS TO THE GLOBAL MARKET(RU)**

**Murashev N. Arkady**

D.Sc. in Biology, Professor

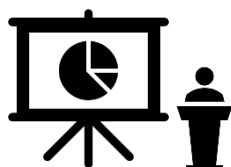
Head of the Department of Biological Tests, Shemyakin and  
Ovchinnikov Institute of Bioorganic Chemistry (Moscow)



# FORM OF PARTICIPATION

## 1. Presenting published work

Face-to-face



Online



**NB!**

The **first author** of a publication should be a **young scientist** who has not reached 36 years of age at the time of the conference, or a doctor of sciences who has not reached 40 years of age at the time of the conference. The co-authors of the work may be older colleagues.



Authors, whose publications **will be accepted** into the collection of conference materials, **will be invited** to the oral presentation.

The collection of conference materials will be posted in the PИИЦ system, each article will be assigned a DOI



We will send the requirements for the publication to the mail indicated during **registration**.

Working languages of the conference

**RU**

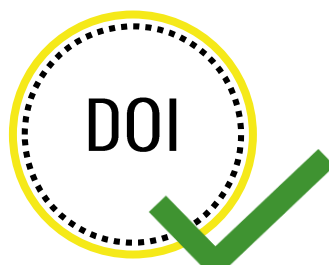
**ENG**



# FORM OF PARTICIPATION



## 2. Publication

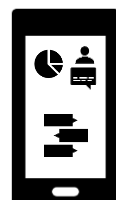


The **first author** of a publication should be a **young scientist** who has not reached 36 years of age at the time of the conference, or a doctor of sciences who has not reached 40 years of age at the time of the conference. The co-authors of the work may be older colleagues.

The first author of publications **about teachers**, scientific supervisors, consultants, mentors can be scientists over 36 years old.

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## 3. Listener



Working languages of the conference

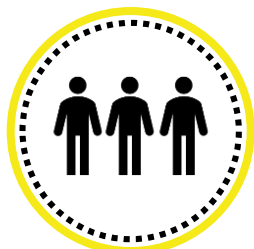
**RU**

**ENG**



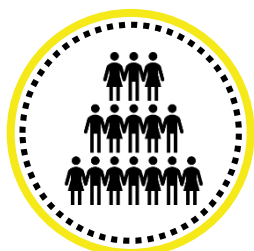
# ARRANGEMENT FEE

Publishing of a collective of up to 3 people



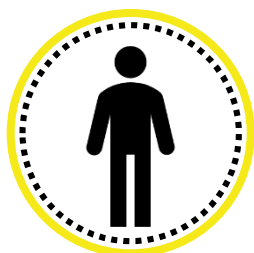
**1000 ₺**

Publication of a collective of more than 3 people



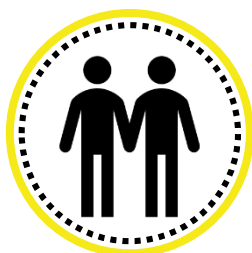
**2000 ₺**

## FREE



**One author**

student, resident,  
postgraduate student



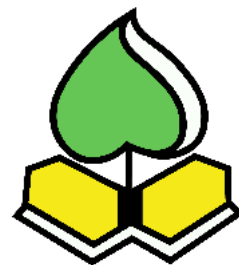
**Two authors**

student, resident, postgraduate  
student and his supervisor



**Teacher  
article**

# REGISTRATION



Applications for participation in the conference are accepted until November 30, 2021 by the link: <https://forms.yandex.ru/u/60b9f084ff149dcaad0391ae/>

\*Articles are accepted until November 15, 2021 inclusive



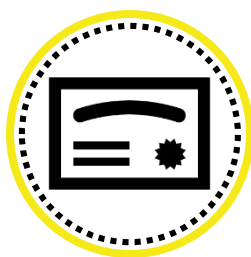
## REGISTRATION



After filling out the form, to the specified e-mail, you will receive a confirmation of successful registration. If you have not received confirmation, please check the correctness of the specified e-mail.

The conference will be held in a mixed (face-to-face and online\*) or online mode, depending on the **epidemiological** situation in Moscow.

\* Selected at registration



## Participant certificate

in electronic form we will send to the mail indicated during registration



## Still have questions?

write to us: [conference@vilarnii.ru](mailto:conference@vilarnii.ru)

